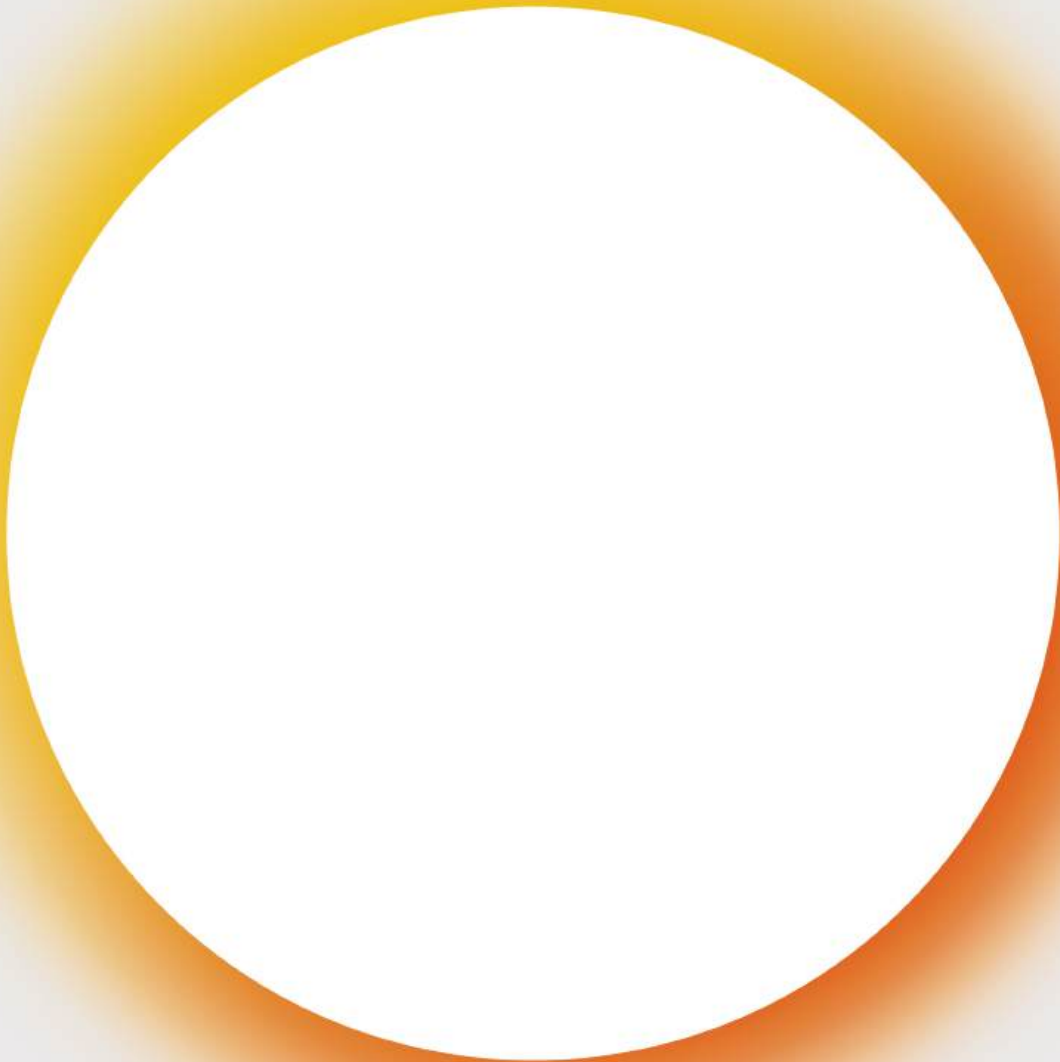


HÄFELE



UPDATE 2022

LOX5

The LED lighting system
for furniture and rooms.

5

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Introduction

Further development

System

Colour codes
Control
Planning

Illuminating

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Häfele Connect Mesh

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Technical data LED strip lights

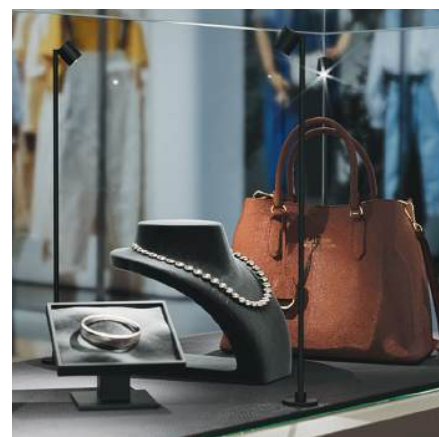
Technical data drivers
Light effects
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 **Linear light**

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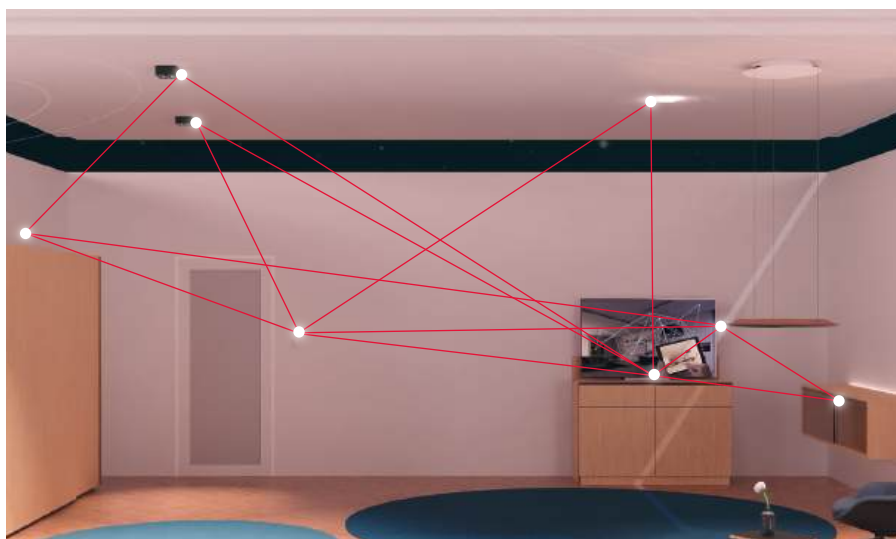
High-performance LED strip lights and design-oriented aluminium profiles – also available in on-trend colours black and brushed stainless steel coloured.



Spotlights > Page 94
Powerful shop lighting for demanding projects



Technical data > Page 174
By professionals for professionals – all facts about LED strip lights at a glance.



 **Häfele Connect Mesh**

Page

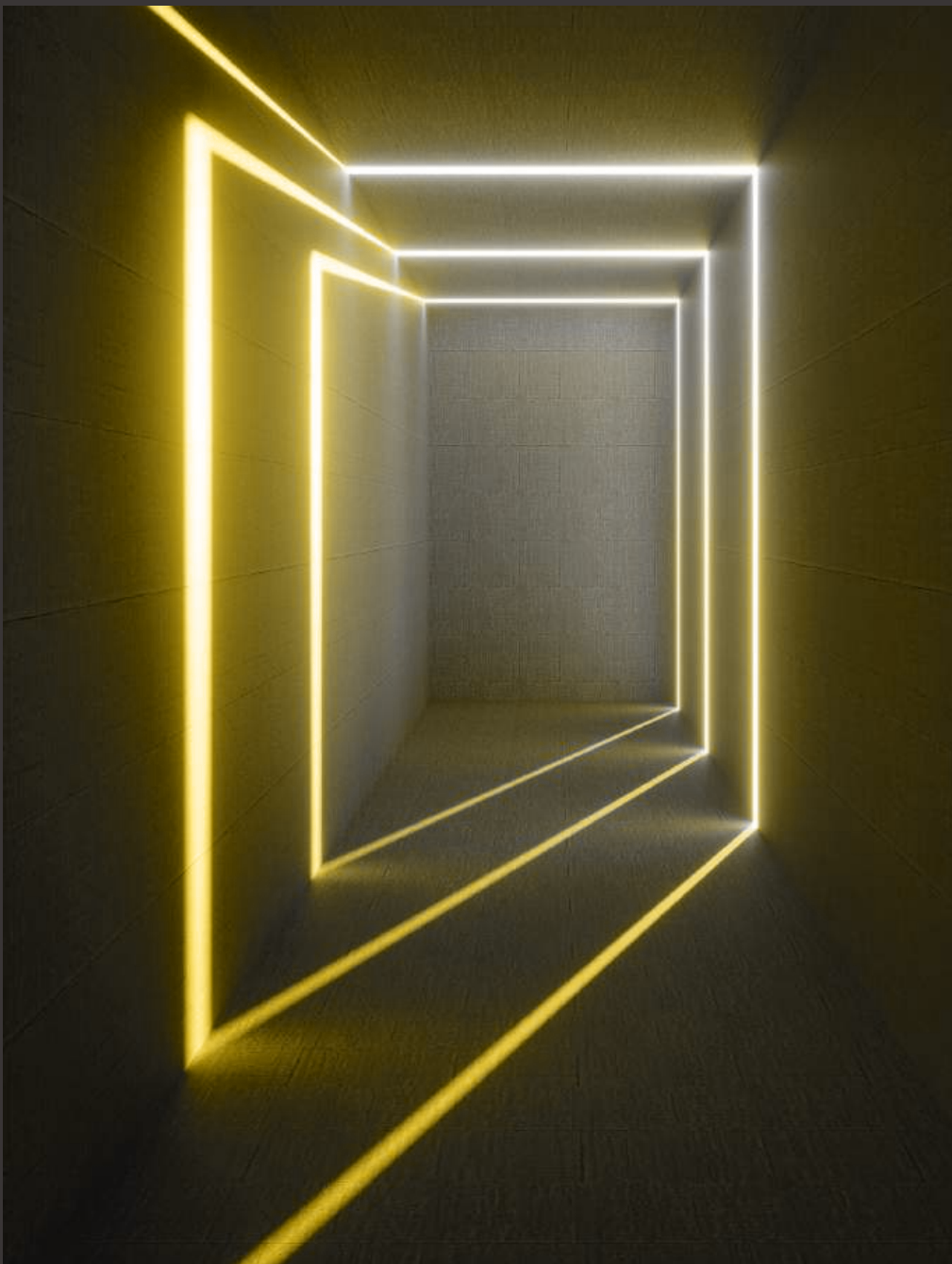
120

The wireless network of lights and electrically operated fittings – with optional integration of the building's electrical installation



Select illuminance
With system for the right illuminance for your project:
Overview > Page 180
Selection aid > for every light

on.



LOOX5



We have spent about 100,000 hours working with LED lights, we have developed and researched, we have had many valuable discussions with partners in trade and industry – and we have learned a great deal. The market is demanding digital answers.

The result after four generations of Loox LED lights is therefore not simply further development, but a new level. Our development has accelerated. Because the world is accelerating, and the demands of our customers are growing at an equally rapid rate.

The essence of four generations.

We are driven by the same
questions time and time again.

How can it be even simpler?
How can it be even better?
How it be even more intelligent?

5



The essence of our experience there-
fore has a new face.
Welcome to Loox5.



**Easy.
Logical.
Linear.**



Loox5

Colour codes.



Yellow-in-yellow
The Loox5 system with
12 volts

**Intu
con.**

itive
nec tions.

2

Green-in-green
The Loox5 system with

24 volts



Monochrome



RGB



Multi-white

In praise of clear lines.

Switching.



Supplying.



Power supply unit

Distributing.

6-way distributor without switching function

6-way distributor with 3-way switching function

Illuminating.

LED 2068 monochrome

LED 2092 monochrome

LED 2062 monochrome

This overview shows a symbolic structure of the Loox5 system in order to depict its versatility.

An essential advantage of the

system is connecting different distributors to a driver in a line, one after the other (box to box).

All of the components shown

here are exemplary for the respective area of the Loox5 system. In this brochure, you will find a wide range of other components for each area.

Networking.



Häfele Connect Mesh App



Häfele Connect Mesh remote control



Häfele Connect Mesh wall switch



Häfele Connect Mesh furniture switch



Häfele Connect Mesh motion detector

Networking & distributing.



Häfele Connect Mesh 6-way distributor



6-way distributor without switching function

Multi-white adapter



LED 2070 Multi-white

RGB adapter



LED 2080 RGB

LED 2091 Multi-white




LED 2034 Flexible light



ESC 2001 USB charging station

Extending.



RGB, multi-white, monochrome light.
The Häfele Connect Mesh 6-way distributor
controls everything. At once. Wireless.

Intelligent light, intelligently solved.

All-in-one

—
**The Loox5
light control.**

Häfele Connect Mesh 6-way distributor.



App
Häfele Connect Mesh

Wall mounted push button
Häfele Connect Mesh

Remote control
Häfele Connect Mesh



Control light and configure lighting individually – it's that simple with the Loox5 system: all of the Loox5 lights installed in the house "register" in the Häfele Connect Mesh App and are integrated into the app interface in just a few steps. Now the lights can be individually activated, dimmed, their light colour can be changed, or they can be

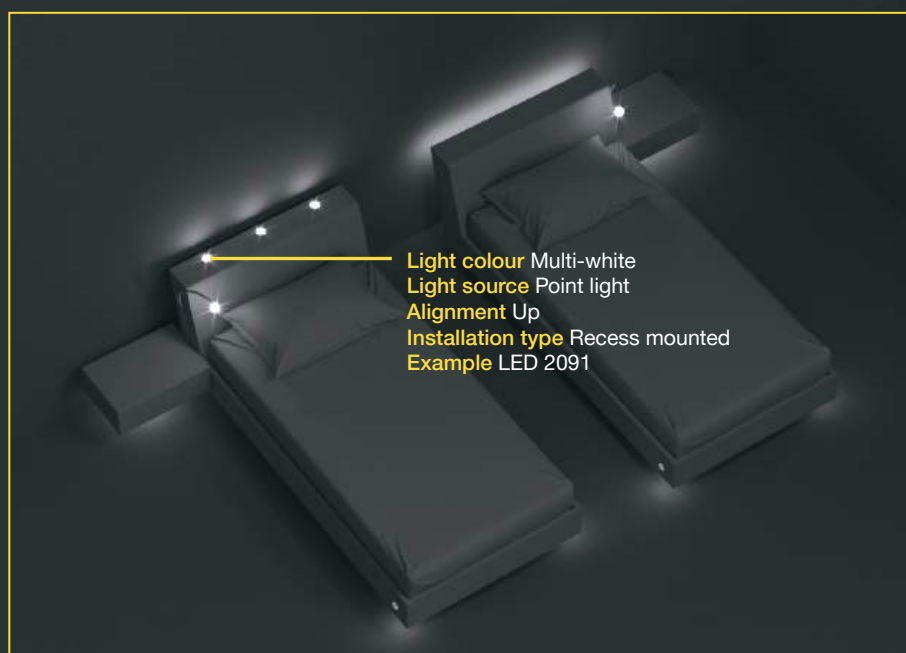
simply switched on and off. At the same time, different lighting scenarios can be programmed and saved. Operation can take place completely in accordance with requirements: via the app, via remote control, via wall mounted push buttons or using other Mesh sensors. Integrating the Häfele Connect Mesh 2-channel

interface also makes every standard wall mounted push button compatible with the app. Loox5. A modular networking kit which can be described with one word: EASY.

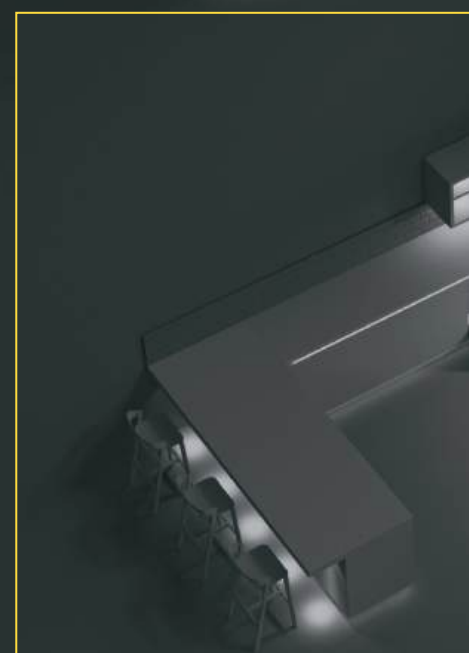
Light is multifaceted.

Manageable variables. Endless possibilities.


| | |
|--------------------------------|--|
| Light colour | Monochrome Multi-white RGB |
| Light intensity | Task light Ambient light Accent/orientation light |
| Light source | Linear light Point light |
| Alignment | Directly or indirectly Up or down Forward or backward To the side |
| Position on the cabinet | Outside Inside |
| Mounting type | Recess mounted Surface mounted |



Light in the sleeping area.
Ambience full of atmosphere for rest areas.



Light in the kitchen.
Functionality for every action.

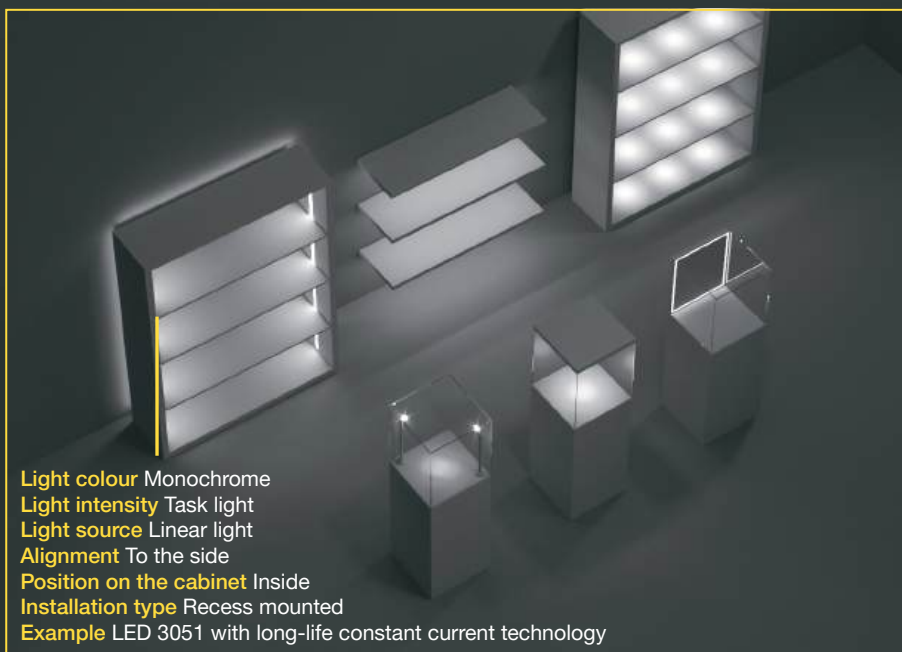
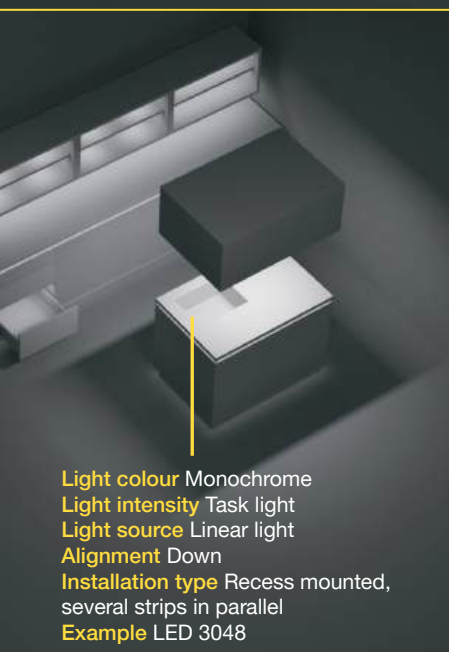


Light colour Monochrome
Light intensity Ambient light
Light source Linear light
Alignment To the side
Installation type Attached at the side to the circular mounting plate behind the mirror
Example LED 3040, just 5 mm wide for filigree applications

Light in the storage space.

Orientation for perfect organisation.

Light colour Monochrome
Light intensity Accent/orientation lighting
Light source Linear light
Alignment Down
Installation type Recess mounted
Example LED 2062

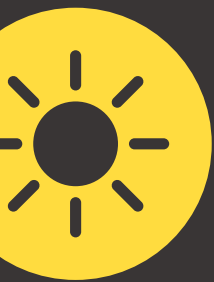


Light in store fixtures.

Value for the presentation of goods.

Light is plannable.

The need to observe fewer planning steps structures and simplifies the planning of lighting in furniture.



Illuminating.

At the start of the development process, determine the lighting purposes of the furniture (multiple choices possible)

- > Task light for pleasant and safe working
- > Ambient lighting for highlighting, staging or emotionalising
- > Accent/orientation light for storage spaces or paths

Also take into account the overall brightness of the room and the finishes to be illuminated: Sufficiently bright ceiling lighting or sunlight makes the orientation light unnecessary during the day, but at night it may be very pleasant if the ceiling lighting does not need to be used and a few furniture pieces provide some orientation light.

For confidence in the planning process, test lighting and finishes or use bright lighting with dimmers to achieve a balance of incident light and reflection.

The form factor of a light (linear, point) and the number used affects the planarity of the illumination. Light colour, installation type, position on the cabinet, and alignment are further criteria to select the perfect light.



Extending.

Häfele Loox5 drivers supply not only lights, but also charging stations (inductive and USB), audio systems, as well as electrically operated flap fittings, sliding doors, or TV lifts.

Take advantage of the potential of Häfele Loox5. Create furniture that can do more than simply look good.

The chapter structure of the Loox brochure simplifies the ordering process by using this simple planning process.

Take advantage of the potential of Häfele Loox5 and create furniture that can do more than simply look good.



Switching.

Plan switch requirements and switch positions. Simple mechanical switches or convenient sensors and dimmers can be grouped together by means of multi driver or multi switch boxes to conveniently operate lights from a single location or from different locations.



Networking.

The Häfele Connect Mesh 6-way distributor is the central element for controlling monochrome lights, multi-white lights, or RGB lights individually or jointly. 6-way distributors can be networked. They can be controlled by remote control, wall-mounted push button, or app.



Distributing.

Plan the routing of concealed cables and provide drill holes, grooves or panels. An extensive range of extension leads and distributors facilitates suitable cabling of your project.



Supplying.

Add up the wattage of all lights and other devices.

If necessary, take into account possible later expansion and select a driver of the appropriate performance class. Lights of the same voltage type or current may be connected to a common driver. Converters are also available and are necessary if lights with different voltage types and currents will share a driver.

Choose a distributor for your current needs (with or without switching function or with Häfele Connect Mesh). The distributor can be easily replaced at a later time. Therefore, make sure the drivers are accessible in the furniture.

Light is plannable.

MODULAR SYSTEM 1 LOOX5 MONOCHROME

All of the important system components
on one page


| Mains lead | |
|------------------------------------|------------|
| For drivers 20–90 W | > Page 160 |
| Flat EU plug | 833.89.002 |
| Direct connection for screw fixing | 833.89.009 |
| For driver 240 W/270W | |
| DE Schuko safety plug | 833.89.258 |
| Direct connection for screw fixing | 833.89.265 |

1. Illuminating

| Linear light | |
|-----------------------------|-----------|
| LED strip lights overview | > Page 24 |
| Aluminium profiles overview | > Page 26 |

| Point light | |
|----------------------|-----------|
| Point light overview | > Page 28 |

Nimbus room light > Page 102

| Connect Mesh Controls | For Connect Mesh |
|---|------------------|
|  | > Page 122 |
| 2-channel interface | 850.00.046 |
| Furniture switch | 850.00.952 |
| Motion detector | 850.00.953 |
| 5 12V Motion detector 12 V | 850.00.954 |
| 5 24V Motion detector 24 V | 850.00.955 |
| Wall mounted push button | 850.00.041 |
| Remote control | 850.00.040 |
| 4-channel interface | 850.00.047 |

6. Supplying

| Loox5 Power supply unit | |
|-------------------------|----------------|
| 5 12V | > Page 165 |
| 20 W | 833.95.000/001 |
| 40 W | 833.95.002 |
| 60 W | 833.95.003 |
| 5 24V | > Page 166 |
| 20 W | 833.95.008/009 |
| 40 W | 833.95.010 |
| 90 W | 833.95.011 |
| > Page 167 | |
| 240 W | 833.95.012 |
| 270 W | 833.95.022 |

| Loox5 6-way distributor with lead | Optional |
|--|------------|
| 5 12V | > Page 142 |
| Without switching function, max. 60 W | 833.95.786 |
| 5 24V | > Page 142 |
| Without switching function, max. 120 W | 833.77.839 |

| Loox Switch, modular | |
|--|------------------------------|
| Sensor switch, cylindrical, for mounting in drilled hole, 12 mm, silver coloured | Other colours: > Page 109 |
| Sensor switch, touchless | 833.89.127 |
| Door sensor switch | 833.89.128 |
| Motion detector | 833.89.129 |
| Dimmer, touchless | 833.89.126 |
| Sensor switch, square, for screw fixing, 40 x 40 mm, silver coloured | |
| Sensor switch, touchless | 833.89.136 |
| Door sensor switch | 833.89.137 |
| Dimmer, touchless | 833.89.135 |
| Lead for modular Loox switch | |
| | > Page 111 |
| 2000 mm | 833.89.142 |

4. Networking
with Bluetooth®

3. Switching

5. Distributing

| Loox5 Extension lead | Optional |
|----------------------|------------|
| 5 12V | > Page 146 |
| 500 mm | 833.95.712 |
| 2000 mm | 833.95.714 |
| 5 24V | > Page 146 |
| 500 mm | 833.95.719 |
| 2000 mm | 833.95.717 |

| Loox Switch with integrated lead | Alternative to modular switch |
|----------------------------------|-------------------------------|
| Mechanical switch | > Page 118 |
| Door contact switch, black | 833.89.059 |
| Push switch, black | 833.89.108 |
| Rocker switch, black | 833.89.106 |

5. Distributing

4. Networking
with Bluetooth®

5. Distributing

| 6-way distributor | |
|---|------------|
| 5 12V | > Page 142 |
| With switching function, max. 60 W | 833.95.748 |
| 5 24V | > Page 142 |
| With switching function, max. 120 W | 833.77.833 |
| 5 12V | > Page 124 |
| Häfele Connect Mesh, Bluetooth and switching function, max. 60 W | 850.00.042 |
| 5 24V | > Page 124 |
| Häfele Connect Mesh, Bluetooth and switching function, max. 120 W | 850.00.043 |

2. Extending

Light is plannable.

MODULAR SYSTEM 2 LOOX5 MULTI-WHITE AND RGB

All of the important system
components on one page

| Mains lead | |
|------------------------------------|-------------------|
| For drivers 20–90 W | > Page 160 |
| Flat EU plug | 833.89.002 |
| Direct connection for screw fixing | 833.89.009 |
| For driver 240 W | > Page 161 |
| DE Schuko safety plug | 833.89.258 |
| Direct connection for screw fixing | 833.89.265 |

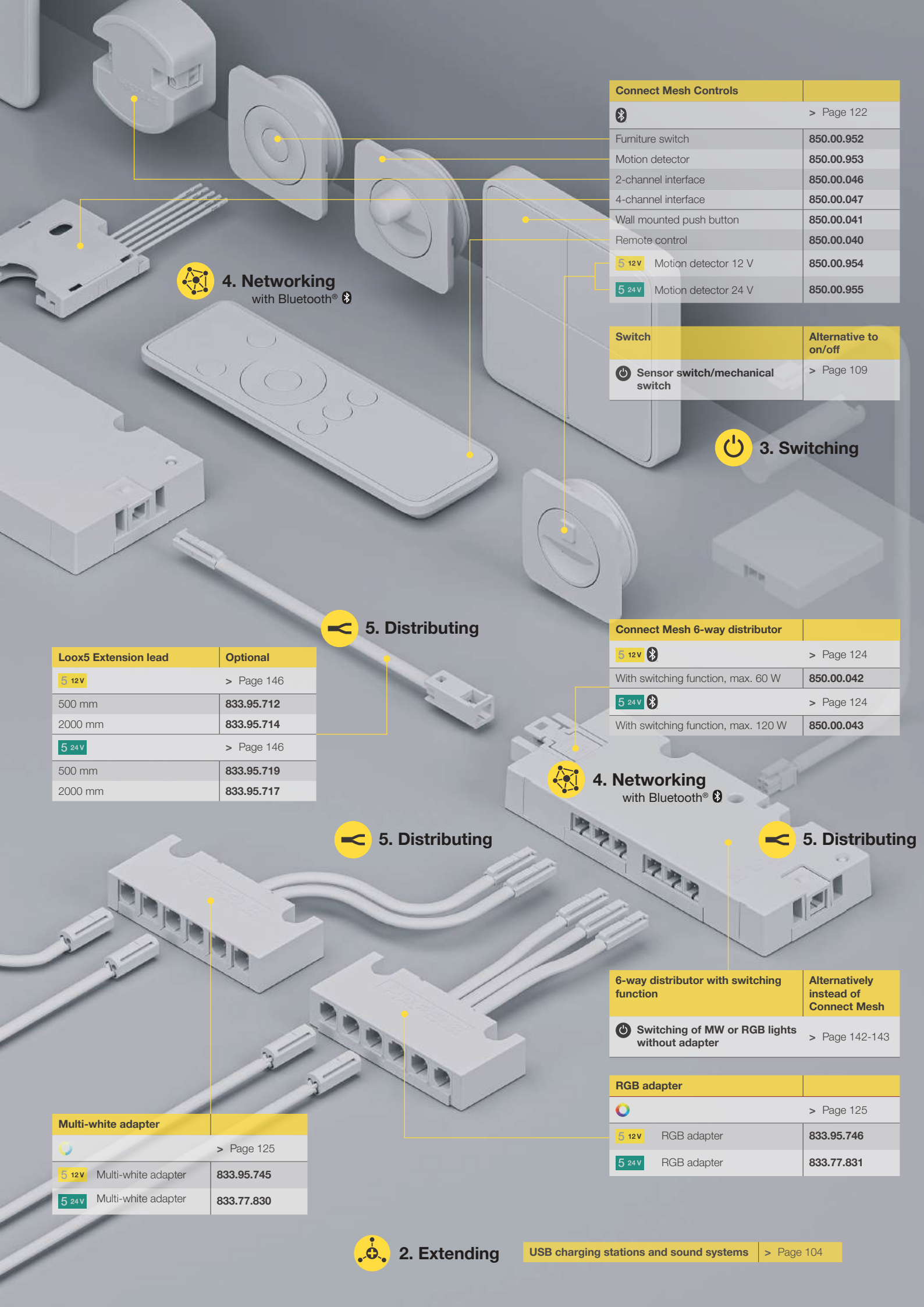
6. Supplying

| Loox5 Power supply unit | |
|-------------------------|-----------------------|
| 5 12V | > Page 165 |
| 20 W | 833.95.000/001 |
| 40 W | 833.95.002 |
| 60 W | 833.95.003 |
| 5 24V | > Page 166 |
| 20 W | 833.95.008/009 |
| 40 W | 833.95.010 |
| 90 W | 833.95.011 |
| | > Page 167 |
| 240 W | 833.95.012 |
| 270 W | 833.95.022 |

1. Illuminating

| Multi-white lights | |
|--------------------|-----------|
| Linear light | > Page 24 |
| Point light | > Page 29 |

| RGB lights | |
|--------------|-----------|
| Linear light | > Page 24 |
| Point light | > Page 29 |



4. Networking
with Bluetooth®

| Connect Mesh Controls | | |
|--------------------------|----------------------|------------|
| | | > Page 122 |
| Furniture switch | | 850.00.952 |
| Motion detector | | 850.00.953 |
| 2-channel interface | | 850.00.046 |
| 4-channel interface | | 850.00.047 |
| Wall mounted push button | | 850.00.041 |
| Remote control | | 850.00.040 |
| | Motion detector 12 V | 850.00.954 |
| | Motion detector 24 V | 850.00.955 |

| Switch | | Alternative to on/off |
|--------|---------------------------------|-----------------------|
| | Sensor switch/mechanical switch | > Page 109 |

3. Switching

| Loox5 Extension lead | Optional |
|----------------------|------------|
| | > Page 146 |
| 500 mm | 833.95.712 |
| 2000 mm | 833.95.714 |
| | > Page 146 |
| 500 mm | 833.95.719 |
| 2000 mm | 833.95.717 |

5. Distributing

| Connect Mesh 6-way distributor | | |
|-------------------------------------|--|------------|
| | | > Page 124 |
| With switching function, max. 60 W | | 850.00.042 |
| | | > Page 124 |
| With switching function, max. 120 W | | 850.00.043 |

4. Networking
with Bluetooth®

5. Distributing

5. Distributing

| Multi-white adapter | | |
|---------------------|---------------------|------------|
| | | > Page 125 |
| | Multi-white adapter | 833.95.745 |
| | Multi-white adapter | 833.77.830 |

| 6-way distributor with switching function | | Alternatively instead of Connect Mesh |
|---|---|---------------------------------------|
| | Switching of MW or RGB lights without adapter | > Page 142-143 |

| RGB adapter | | |
|-------------|-------------|------------|
| | | > Page 125 |
| | RGB adapter | 833.95.746 |
| | RGB adapter | 833.77.831 |

2. Extending

USB charging stations and sound systems > Page 104





LOX5

Linear light

Overview according to brightness

☀ Task light >500 lx at a distance of 500 mm

| | | | | | | Max. illuminance at a distance of 500 mm lx | |
|----------|------|-----------------|------|----------|------|---|-----------|
| LED 3052 | 24 V | Const. current | 8 mm | 19.2 W/m | 1840 | | > Page 32 |
| LED 3051 | 24 V | Const. current | 8 mm | 14.4 W/m | 1400 | | > Page 32 |
| LED 3048 | 24 V | | 8 mm | 14.4 W/m | 1320 | | > Page 34 |
| LED 3050 | 24 V | Const. current | 8 mm | 9.6 W/m | 1010 | | > Page 32 |
| LED 2068 | 12 V | | 8 mm | 9.6 W/m | 955 | | > Page 34 |
| LED 3045 | 24 V | | 8 mm | 9.6 W/m | 955 | | > Page 34 |
| LED 2061 | 12 V | | 5 mm | 9.6 W/m | 860 | | > Page 30 |
| LED 3041 | 24 V | | 5 mm | 9.6 W/m | 860 | | > Page 30 |
| LED 3046 | 24 V | Silicone sleeve | 8 mm | 9.6 W/m | 860 | | > Page 36 |
| LED 2077 | 12 V | Const. current | 8 mm | 9.6 W/m | 830 | | > Page 32 |
| LED 3069 | 24 V | COB | 8 mm | 8.0 W/m | 620 | | > Page 40 |



☀ Ambient light 150–500 lx at a distance of 500 mm

| | | | | | | Max. illuminance at a distance of 500 mm lx | |
|----------|------|-----------------|------|---------|-----|---|-----------|
| LED 2062 | 12 V | | 8 mm | 4.8 W/m | 470 | | > Page 34 |
| LED 2065 | 12 V | | 8 mm | 4.8 W/m | 470 | | > Page 34 |
| LED 3042 | 24 V | | 8 mm | 4.8 W/m | 470 | | > Page 34 |
| LED 2060 | 12 V | | 5 mm | 4.8 W/m | 430 | | > Page 30 |
| LED 3040 | 24 V | | 5 mm | 4.8 W/m | 430 | | > Page 30 |
| LED 2063 | 12 V | Silicone sleeve | 8 mm | 4.8 W/m | 425 | | > Page 36 |
| LED 3043 | 24 V | Silicone sleeve | 8 mm | 4.8 W/m | 425 | | > Page 36 |
| LED 2099 | 12 V | | 4 mm | 9.6 W/m | 215 | | > Page 38 |
| LED 3099 | 24 V | | 4 mm | 9.6 W/m | 215 | | > Page 38 |



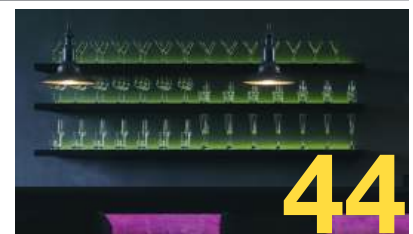
🌈 Multi-white lights

| | | | | | | Max. illuminance at a distance of 500 mm lx | |
|---|----------|------|--|------|----------|---|-----------|
| ☀ | LED 3049 | 24 V | | 8 mm | 14.4 W/m | 1200 | > Page 42 |
| ☀ | LED 2070 | 12 V | | 8 mm | 9.6 W/m | 865 | > Page 42 |
| ☀ | LED 3047 | 24 V | | 8 mm | 9.6 W/m | 865 | > Page 42 |
| ☀ | LED 2064 | 12 V | | 8 mm | 4.8 W/m | 445 | > Page 42 |
| ☀ | LED 3044 | 24 V | | 8 mm | 4.8 W/m | 445 | > Page 42 |



🌈 RGB lights

| | | | | | | |
|----------|------|--|-------|---------|--|-----------|
| LED 2080 | 12 V | | 10 mm | 9.6 W/m | | > Page 44 |
| LED 3080 | 24 V | | 10 mm | 9.6 W/m | | > Page 44 |



12 Volts or 24 Volts?

The application decides.

If you bring light into your furniture and furnishings, you always have the choice between two voltage variants: **12 Volts** or **24 Volts**.

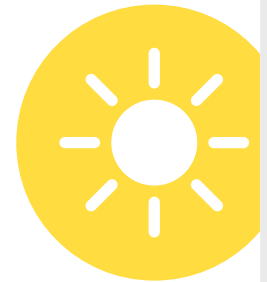
Both voltage variants are in the protective extra-low voltage range, and are therefore safe when installing the components. The decision essentially depends on your planned lighting system or the freedom that you want to give yourself when implementing your lighting solution.

The 12 Volt system.

- > Suitable for smaller LED strip light lengths (up to a maximum of 4 metres).
- > It is more flexible, because you can cut LED strip lights to length at shorter intervals (every 25 mm).
- > Loses brightness as the strip light length increases.

The 24 Volt system.

- > Suitable for longer LED strip lights (up to a maximum of 12 metres).
- > LED strip lights can only be cut to length at longer intervals (every 50 mm).
- > Because the current is lower, higher performance classes with greater brightness are possible.
- > It also has stable brightness with long strip lights.
- > Also the first choice for room lighting.



Overview according to strip light family and voltage



| Type | | LEDs/m | 4.8 W/m | 8.0 W/m | 9.6 W/m | 14.4 W/m | 19.2 W/m | |
|------------------------|----------------------------|---------|------------|------------|------------|------------|------------|---|
| Standard | 8 mm > Page 34 | 60 | 5 12V 2062 | | | | |  |
| | | 120 | 5 12V 2065 | | 5 12V 2068 | | | |
| | 5 mm > Page 30 | 120 | 5 24V 3042 | | 5 24V 3045 | 5 24V 3048 | | |
| | | | 5 12V 2060 | | 5 12V 2061 | | | |
| | 8 mm silicone > Page 36 | 60 | 5 12V 2063 | | | | | |
| | | 120 | 5 24V 3043 | | 5 24V 3046 | | | |
| Constant current | 8 mm > Page 32 | 120 | | | 5 12V 2077 | | | |
| | | 140 | | | 5 24V 3050 | 5 24V 3051 | 5 24V 3052 | |
| Multi-white | 8 mm > Page 42 | 2 x 60 | 5 12V 2064 | | | | |  |
| | | 2 x 120 | 5 24V 3044 | | 5 12V 2070 | 5 24V 3047 | 5 24V 3049 | |
| RGB | 10 mm > Page 44 | 120 | | | 5 12V 2080 | | | |
| Lateral light emission | 4 mm > Page 38 | 120 | | | 5 12V 2099 | | | |
| | | | | | 5 24V 3099 | | | |
| COB | 8 mm > Page 40 | 480 | | 5 24V 3069 | | | | |

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Linear light

Information – profiles with dimensions

Individual lighting solutions can be created with aluminium profiles and LED strip lights. The suitable aluminium profile can be found on the following pages clearly sorted by:

- > Mounting type
- > Material
- > Width
- > Suitability for LED strip lights

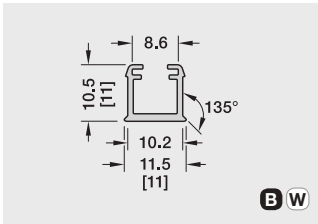
Plastic:

- B** Black
- W** Opal white

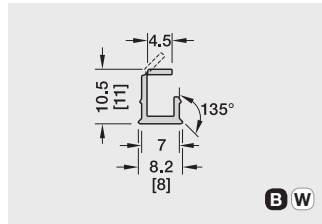
Aluminium anodized:

- B** Black
- E** Brushed stainless steel coloured
- S** Silver coloured

Profiles for recess mounting – plastic

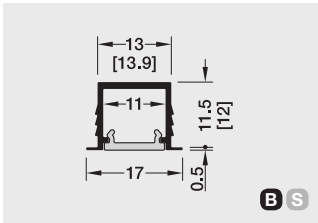


Profile 1101 > Page 60
for LED strip light with a width of exactly 8 mm

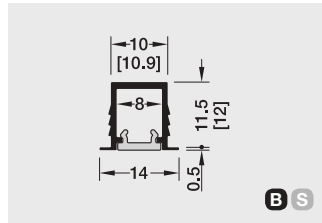


Profile 1102 > Page 60
for LED strip lights up to 5 mm wide

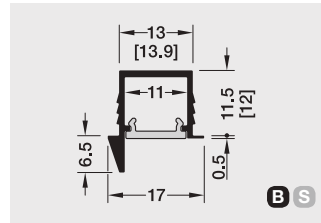
Profiles for recess mounting – aluminium



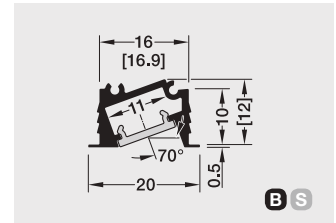
Profile 1103 > Page 48
for LED strip light up to 8 mm



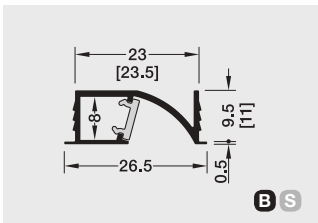
Profile 1104 > Page 48
for LED strip lights up to 5 mm wide



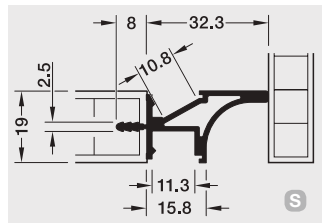
Profile 1105 > Page 47
for LED strip light up to 8 mm wide, asymmetric light distribution



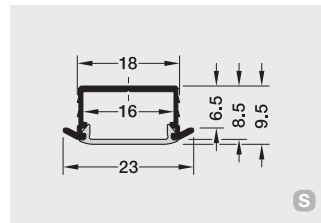
Profile 1106 > Page 49
for LED strip light up to 5 mm wide, asymmetric light distribution



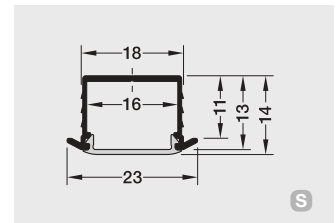
Profile 1107 > Page 49
for LED strip light up to 5 mm wide, asymmetric light distribution



Profile 1108 > Page 59
for LED strip lights up to 8 mm wide



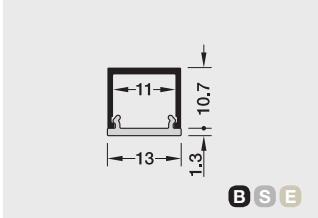
Profile 1190 > Page 48
for LED strip lights up to 10 mm wide



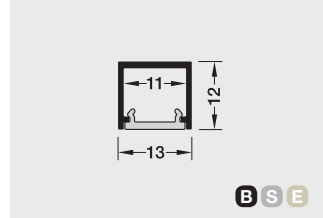
Profile 1191 > Page 48
for LED strip lights up to 10 mm wide



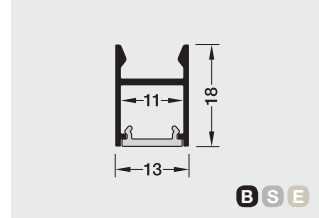
Surface mounted profiles – aluminium



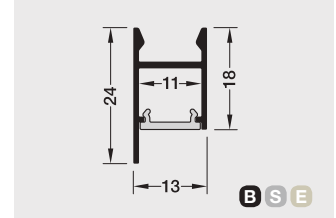
Profile 2101 > Page 50
for LED strip lights up to 8 mm wide



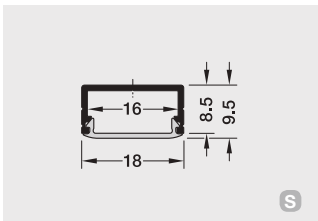
Profile 2102 > Page 50
for LED strip lights up to 8 mm wide



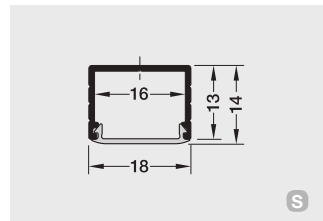
Profile 2103 > Page 52
for LED strip light up to 8 mm wide, concealed attachment with clip



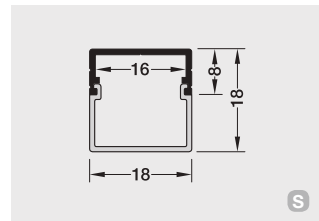
Profile 2104 > Page 52
for LED strip light up to 8 mm wide, asymmetrical light distribution, concealed attachment with clip



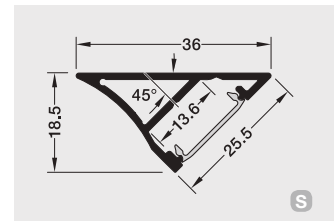
Profile 2190 > Page 54
for LED strip lights up to 10 mm wide



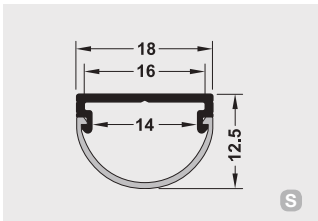
Profile 2191 > Page 54
for LED strip lights up to 10 mm wide



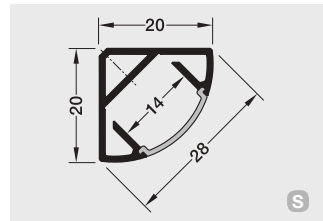
Profile 2192 > Page 55
for LED strip light up to 10 mm wide, with optional mounting arm



Profile 2193 > Page 56
for LED strip light up to 10 mm wide, asymmetric Light distribution

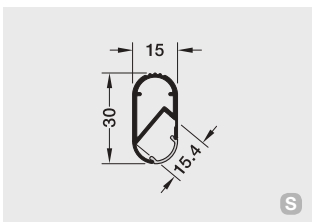


Profile 2194 > Page 57
for LED strip light up to 10 mm wide, with optional integrated door sensor or motion detector



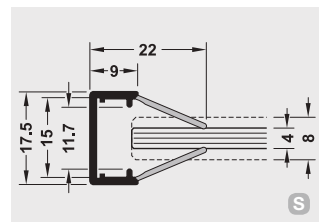
Profile 2195 > Page 56
for LED strip lights up to 10 mm wide

Wardrobe rail profiles – aluminium



Profile 5105 > Page 58
for LED strip light up to 10 mm wide, asymmetric light distribution

Glass edge profiles – aluminium






Profile 5108 > Page 58
for LED strip light up to 10 mm wide, asymmetric light distribution

Point light

Task light

















Illuminate work spaces with > 500 lx at a distance of 500 mm

| | | | | | | |
|---|----------|------|--------------------------|--------------------|-------|-----------|
|  | LED 2025 | 12 V | Recess/sur-face mounting | Drill hole Ø 58 mm | 3.8 W | > Page 62 |
|  | LED 3023 | 24 V | Surface mounting | Ø 180 mm | 4.8 W | > Page 86 |
|  | LED 3025 | 24 V | Surface mounting | 205 x 205 mm | 5.8 W | > Page 87 |



Ambient light



Stage furnishings with 150–500 lx at a distance of 500 mm

| | | | | | | |
|---|----------|------|--------------------------|--------------------|-------|-----------|
|  | LED 2092 | 12 V | Recess/sur-face mounting | Drill hole Ø 58 mm | 3.4 W | > Page 62 |
|  | LED 3092 | 24 V | | | | |
|  | LED 2040 | 12 V | Recess/sur-face mounting | Drill hole Ø 35 mm | 1.5 W | > Page 68 |
|  | LED 3008 | 24 V | | | | |
|  | LED 2090 | 12 V | Recess/sur-face mounting | Drill hole Ø 26 mm | 1.2 W | > Page 70 |
|  | LED 3090 | 24 V | | | | |
|  | LED 2094 | 12 V | Recess/sur-face mounting | Drill hole Ø 58 mm | 2.5 W | > Page 72 |
|  | LED 3094 | 24 V | | | | |
|  | LED 2047 | 12 V | Recess/sur-face mounting | Drill hole Ø 55 mm | 3.0 W | > Page 74 |
|  | LED 3038 | 24 V | | | | |
|  | LED 2022 | 12 V | Recess/sur-face mounting | Drill hole Ø 26 mm | 1.5 W | > Page 78 |
|  | LED 2027 | 12 V | Surface mounting | Ø 65 mm | 2.6 W | > Page 81 |
|  | LED 2050 | 12 V | Surface mounting | Ø 65 mm | 2.5 W | > Page 82 |
|  | LED 3035 | 24 V | | | | |
|  | LED 2051 | 12 V | Surface mounting | 65 x 65 mm | 2.5 W | > Page 84 |
|  | LED 3036 | 24 V | | | | |



Accent/orientation light



Illuminate non-hazardous traffic areas and corridors or storage spaces with <150 lx at a distance of 500 mm

| | | | | | | |
|---|----------|------------------------|------------------|--------------------|-------|-----------|
|  | LED 2028 | 12 V | Recess mounting | Drill hole Ø 40 mm | 0.3 W | > Page 80 |
|  | LED 9004 | Battery-operated light | Surface mounting | 120 x 65 mm | 0.8 W | > Page 90 |










Surface mounted lights

| | | | | |
|---|--------------------------------|------------------|-----------------------|-----------------|
|  | LED 2032 12 V | Surface mounting | Length 300 mm | 3.0 W > Page 91 |
|  | LED 2034 12 V LED 3034 24 V | Surface mounting | with charging station | 1.5 W > Page 92 |





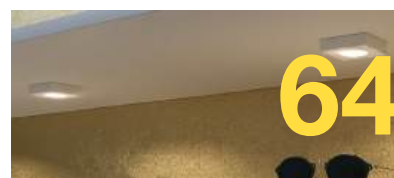
Spotlights

| | | | | |
|---|---------------|---------------------------|--------------------|------------------|
|  | LED 3095 24 V | Surface mounted spotlight | Ø 22 mm | 1.4 W > Page 96 |
|  | LED 3096 24 V | Surface mounted spotlight | Ø 22 mm | 1.4 W > Page 98 |
|  | LED 3097 24 V | Recess mounted spotlight | Drill hole Ø 35 mm | 1.4 W > Page 99 |
|  | LED 3098 24 V | Surface mounted spotlight | Ø 22 mm | 1.4 W > Page 100 |
|  | LED 2093 12 V | Recess mounted spotlight | Drill hole Ø 35 mm | 1.0 W > Page 101 |



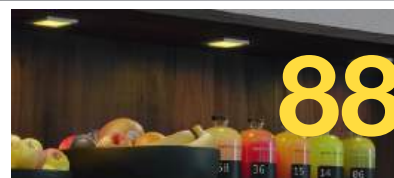
Multi-white lights

| | | | | |
|---|--------------------------------|-------------------------|--------------------|-----------------|
|  | LED 2091 12 V LED 3091 24 V | Recess/surface mounting | Drill hole Ø 58 mm | 3.4 W > Page 64 |
|  | LED 2048 12 V LED 3039 24 V | Recess/surface mounting | Drill hole Ø 55 mm | 3.0 W > Page 76 |



RGB lights

| | | | | |
|---|--------------------------------|------------------|------------|-----------------|
|  | LED 2081 12 V LED 3081 24 V | Surface mounting | 65 x 65 mm | 0.7 W > Page 88 |
|---|--------------------------------|------------------|------------|-----------------|



LED strip lights

monochrome, 5 mm



Häfele Loox5 LED 2060/2061/3040/3041



LED 2060/2061



LED 3040/3041

EXTRA NARROW 5 mm

Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 5 mm
- > Height: 1.3 mm
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

Order reference:
Please order lead separately.

Aluminium profile recommended from 9.6 W/m, see page 44

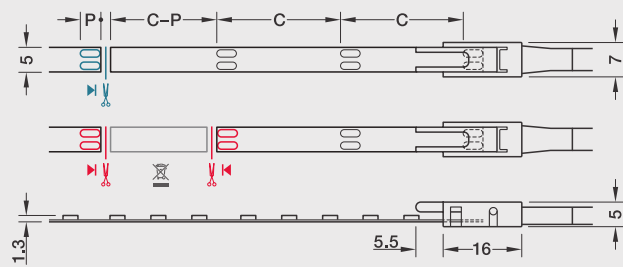
Illuminance value in lx applies to 1 m strip length:

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|--------|--------|---------|---------|------|---------|
| 940 lx | 970 lx | 1000 lx | 1030 lx | | 250 mm |
| 400 lx | 420 lx | 430 lx | 430 lx | | 500 mm |
| 220 lx | 235 lx | 240 lx | 240 lx | | 750 mm |
| 135 lx | 145 lx | 145 lx | 145 lx | | 1000 mm |

LED 2060/3040

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 1860 lx | 1960 lx | 2000 lx | 2060 lx | | 250 mm |
| 790 lx | 850 lx | 860 lx | 860 lx | | 500 mm |
| 440 lx | 470 lx | 480 lx | 480 lx | | 750 mm |
| 270 lx | 290 lx | 290 lx | 290 lx | | 1000 mm |

LED 2061/3041



- Cut LED strip light to length (one contact side remains on the remainder piece; reusable)
- Connect LED strip lights (two contact sides required)

C = cut length
P = contact surface length

5 12 V Loox5 12 V driver see page 165

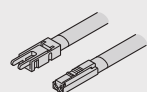
5 24 V Loox5 24 V driver see page 166



Häfele Loox5 LED 2060/2061/3040/3041

| Voltage V | Quantity LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length | | |
|--------------|------------------------------|------------------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------|-------------------------|------------------------|-----------------------------------|---------------------------------|-------------------|-------------------|-------------------|
| | | | | | | R _a | R ₉ | | | | | 5 m | 15 m | |
| 5 12V | Häfele Loox5 LED 2060 | | | | | | | | | | | | | |
| | 120 | 2700 | 4.8 | 440 | 92 | >90 | >50 | AG F | 25 | 3 | 4.0 | 833.74.320 | 833.74.324 | |
| | | 3000 | 4.8 | 460 | 96 | >90 | >50 | AG F | 25 | 3 | 4.0 | 833.74.321 | 833.74.325 | |
| | | 4000 | 4.8 | 480 | 100 | >90 | >50 | AG F | 25 | 3 | 4.0 | 833.74.322 | 833.74.326 | |
| | | 5000 | 4.8 | 495 | 103 | >90 | >50 | AG F | 25 | 3 | 4.0 | 833.74.323 | 833.74.327 | |
| | Häfele Loox5 LED 2061 | | | | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 870 | 91 | >90 | >50 | AG G | 25 | 3 | 3.0 | 833.74.328 | 833.74.332 | |
| | | 3000 | 9.6 | 930 | 97 | >90 | >50 | AG F | 25 | 3 | 3.0 | 833.74.329 | 833.74.333 | |
| | | 4000 | 9.6 | 955 | 99 | >90 | >50 | AG F | 25 | 3 | 3.0 | 833.74.330 | 833.74.334 | |
| | | 5000 | 9.6 | 990 | 103 | >90 | >50 | AG F | 25 | 3 | 3.0 | 833.74.331 | 833.74.335 | |
| | 5 24V | Häfele Loox5 LED 3040 | | | | | | | | | | | | |
| | | 120 | 2700 | 4.8 | 440 | 92 | >90 | >50 | AG F | 50 | 3 | 8.0 | 833.76.300 | 833.76.304 |
| | | | 3000 | 4.8 | 460 | 96 | >90 | >50 | AG F | 50 | 3 | 8.0 | 833.76.301 | 833.76.305 |
| | | | 4000 | 4.8 | 480 | 100 | >90 | >50 | AG F | 50 | 3 | 8.0 | 833.76.302 | 833.76.306 |
| | | | 5000 | 4.8 | 495 | 103 | >90 | >50 | AG F | 50 | 3 | 8.0 | 833.76.303 | 833.76.307 |
| | | Häfele Loox5 LED 3041 | | | | | | | | | | | | |
| 120 | | 2700 | 9.6 | 870 | 91 | >90 | >50 | AG G | 50 | 3 | 5.5 | 833.76.308 | 833.76.312 | |
| | | 3000 | 9.6 | 930 | 97 | >90 | >50 | AG F | 50 | 3 | 5.5 | 833.76.309 | 833.76.313 | |
| | | 4000 | 9.6 | 955 | 99 | >90 | >50 | AG F | 50 | 3 | 5.5 | 833.76.310 | 833.76.314 | |
| | | 5000 | 9.6 | 990 | 103 | >90 | >50 | AG F | 50 | 3 | 5.5 | 833.76.311 | 833.76.315 | |

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 174.



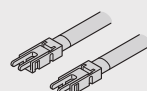
> 3.5 A/20 AWG lead
for LED strip light 5 mm

| Voltage | Length mm | Cat. No. |
|--------------|-----------|------------|
| 5 12V | 100 | 833.93.740 |
| | 500 | 833.95.825 |
| | 2000 | 833.95.705 |
| 5 24V | 100 | 833.93.741 |
| | 500 | 833.95.875 |
| | 2000 | 833.95.711 |



> 3.5 A clip connector
for 5 mm LED strip light

| | Cat. No. |
|----------------|-------------------|
| Clip connector | 833.89.207 |



> 3.5 A/20 AWG interconnecting lead
for 5 mm LED strip light

| Length mm | Cat. No. |
|-----------|-------------------|
| 50 | 833.89.194 |
| 500 | 833.89.195 |
| 2000 | 833.89.196 |



> Corner connector, 90° rigid, 3.5 A
for left or right for 5 mm LED strip light

| | Cat. No. |
|------------------------|-------------------|
| Corner connector rigid | 833.89.190 |

LED strip lights

monochrome, constant current, 8 mm



Häfele Loox5 LED 2077 / 3050 / 3051 / 3052



LED 2077



LED 3050/3051/3052

Constant current technology

- > Achieves uniform brightness over the entire strip light length
- > Increased life time, higher visual strip length, higher luminous efficacy
- > Also suitable for short-time peaks of up to 16 V due to integrated IC (ideal for caravan applications, for example)

Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 8 mm
- > Height: 1.5 mm
- > Life time L80/B10: >70,000 h
- > Life time L70/B50: >100,000 h
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

Illuminance value in lx applies to 1 m strip length:

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 1775 lx | 1850 lx | 1950 lx | 1950 lx | | 250 mm |
| 760 lx | 790 lx | 830 lx | 830 lx | | 500 mm |
| 425 lx | 440 lx | 465 lx | 465 lx | | 750 mm |
| 265 lx | 270 lx | 285 lx | 285 lx | | 1000 mm |

LED 2077

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 2050 lx | 2150 lx | 2205 lx | 2340 lx | | 250 mm |
| 890 lx | 930 lx | 990 lx | 1010 lx | | 500 mm |
| 490 lx | 520 lx | 545 lx | 550 lx | | 750 mm |
| 305 lx | 325 lx | 335 lx | 340 lx | | 1000 mm |

LED 3050

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 3150 lx | 3170 lx | 3190 lx | 3200 lx | | 250 mm |
| 1365 lx | 1385 lx | 1390 lx | 1400 lx | | 500 mm |
| 760 lx | 770 lx | 770 lx | 770 lx | | 750 mm |
| 470 lx | 480 lx | 480 lx | 480 lx | | 1000 mm |

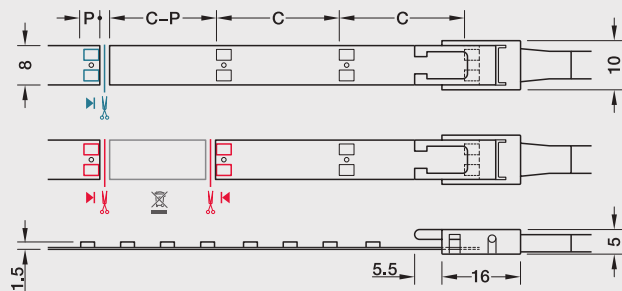
LED 3051

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 4070 lx | 4160 lx | 4220 lx | 4260 lx | | 250 mm |
| 1750 lx | 1780 lx | 1800 lx | 1840 lx | | 500 mm |
| 970 lx | 990 lx | 1000 lx | 1020 lx | | 750 mm |
| 600 lx | 620 lx | 625 lx | 630 lx | | 1000 mm |

LED 3052

Order reference:
Please order lead separately.

➔ Aluminium profile recommended from 9.6 W/m, see page 44



— Cut LED strip light to length (one contact side remains on the remainder piece; reusable)

— Connect LED strip lights (two contact sides required)

C = cut length
P = contact surface length

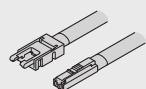
5 12 V Loox5 12 V driver see page 165

5 24 V Loox5 24 V driver see page 166

Häfele Loox5 LED 2077 / 3050 / 3051 / 3052

| Voltage V | Quantity LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length | |
|--------------|------------------------------|-------------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------|-------------------------|------------------------|-----------------------------------|---------------------------------|-------------------|-------------------|
| | | | | | | R _a | R ₉ | | | | | 5 m | 50 m |
| 5 12V | Häfele Loox5 LED 2077 | | | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 810 | 84 | >90 | >50 | | 25 | 4 | 6.2 | 833.74.372 | 833.74.376 |
| | | 3000 | 9.6 | 860 | 90 | >90 | >50 | | 25 | 4 | 6.2 | 833.74.373 | 833.74.377 |
| | | 4000 | 9.6 | 900 | 94 | >90 | >50 | | 25 | 4 | 6.2 | 833.74.374 | 833.74.378 |
| 5000 | | 9.6 | 905 | 94 | >90 | >50 | | 25 | 4 | 6.2 | 833.74.375 | 833.74.379 | |
| 5 24V | Häfele Loox5 LED 3050 | | | | | | | | | | | | |
| | 140 | 2700 | 9.6 | 945 | 98 | >90 | >50 | | 50 | 3 | 13.0 | 833.76.362 | 833.76.366 |
| | | 3000 | 9.6 | 1030 | 107 | >90 | >50 | | 50 | 3 | 13.0 | 833.76.363 | 833.76.367 |
| | | 4000 | 9.6 | 1060 | 110 | >90 | >50 | | 50 | 3 | 13.0 | 833.76.364 | 833.76.368 |
| | | 5000 | 9.6 | 1080 | 113 | >90 | >50 | | 50 | 3 | 13.0 | 833.76.365 | 833.76.369 |
| | Häfele Loox5 LED 3051 | | | | | | | | | | | | |
| | 140 | 2700 | 14.4 | 1430 | 99 | >90 | >50 | | 50 | 3 | 8.5 | 833.76.370 | 833.76.374 |
| | | 3000 | 14.4 | 1520 | 106 | >90 | >50 | | 50 | 3 | 8.5 | 833.76.371 | 833.76.375 |
| | | 4000 | 14.4 | 1605 | 111 | >90 | >50 | | 50 | 3 | 8.5 | 833.76.372 | 833.76.376 |
| | | 5000 | 14.4 | 1650 | 115 | >90 | >50 | | 50 | 3 | 8.5 | 833.76.373 | 833.76.377 |
| | Häfele Loox5 LED 3052 | | | | | | | | | | | | |
| | 140 | 2700 | 19.2 | 1850 | 96 | >90 | >50 | | 50 | 3 | 6.0 | 833.76.378 | 833.76.382 |
| | | 3000 | 19.2 | 2015 | 105 | >90 | >50 | | 50 | 3 | 6.0 | 833.76.379 | 833.76.383 |
| | | 4000 | 19.2 | 2050 | 107 | >90 | >50 | | 50 | 3 | 6.0 | 833.76.380 | 833.76.384 |
| | | 5000 | 19.2 | 2100 | 109 | >90 | >50 | | 50 | 3 | 6.0 | 833.76.381 | 833.76.385 |

! The maximum visual strip length for Loox5 constant current strips is the length without drop in luminous flux. For maximum wattage-dependent strip length at the driver, see page 176.



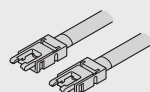
> 5 A/18 AWG lead for LED strip light 8 mm

| Voltage | Length mm | Cat. No. |
|--------------|-----------|-------------------|
| 5 12V | 100 | 833.93.736 |
| | 500 | 833.95.701 |
| | 2000 | 833.95.700 |
| 5 24V | 100 | 833.75.743 |
| | 500 | 833.95.707 |
| | 2000 | 833.95.706 |



> 5 A clip connector for 8 mm LED strip light

| | Cat. No. |
|----------------|-------------------|
| Clip connector | 833.89.206 |



> 5 A/18 AWG interconnecting lead for 8 mm LED strip light

| Length mm | Cat. No. |
|-----------|-------------------|
| 50 | 833.89.191 |
| 500 | 833.89.192 |
| 2000 | 833.89.193 |



> Corner connector, 90° rigid, 5 A for left or right for 8 mm LED strip light

| | Cat. No. |
|------------------------|-------------------|
| Corner connector rigid | 833.89.187 |

LED strip lights

monochrome, 8 mm



Häfele Loox5 LED 2062/2065/2068/3042/3045/3048



LED 2062



LED 2065/2068



LED 3042/3045/3048

Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 8 mm
- > Height: 1.3 mm
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

Order reference:
Please order lead separately.

Aluminium profile recommended from 9.6 W/m, see page 44

Illuminance value in lx applies to 1 m strip length:

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 1050 lx | 1090 lx | 1120 lx | 1130 lx | | 250 mm |
| 435 lx | 455 lx | 460 lx | 470 lx | | 500 mm |
| 240 lx | 245 lx | 260 lx | 260 lx | | 750 mm |
| 145 lx | 150 lx | 155 lx | 160 lx | | 1000 mm |

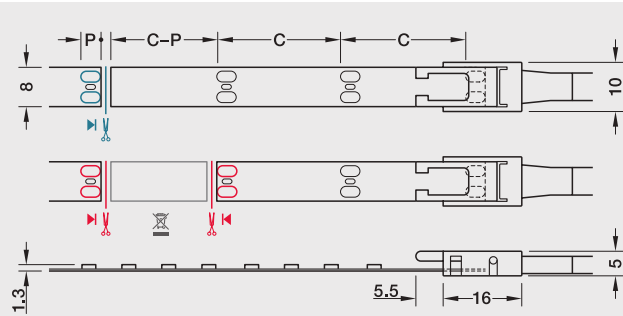
LED 2062/2065/3042

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 2145 lx | 2250 lx | 2300 lx | 2300 lx | | 250 mm |
| 900 lx | 940 lx | 950 lx | 955 lx | | 500 mm |
| 480 lx | 505 lx | 510 lx | 515 lx | | 750 mm |
| 300 lx | 310 lx | 320 lx | 320 lx | | 1000 mm |

LED 2068/3045

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 2870 lx | 3000 lx | 3100 lx | 3100 lx | | 250 mm |
| 1210 lx | 1270 lx | 1310 lx | 1320 lx | | 500 mm |
| 665 lx | 695 lx | 715 lx | 715 lx | | 750 mm |
| 415 lx | 430 lx | 445 lx | 450 lx | | 1000 mm |

LED 3048



- Cut LED strip light to length (one contact side remains on the remainder piece; reusable)
- Connect LED strip lights (two contact sides required)

C = cut length
P = contact surface length

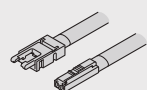
5 12V Loox5 12 V driver see page 165

5 24V Loox5 24 V driver see page 166

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%. For maximum wattage-dependent strip length at the driver, see page 174.

Häfele Loox5 LED 2062/2065/2068/3042/3045/3048

| Voltage V | Quantity LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length | |
|--------------|------------------------------|-------------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------|-------------------------|------------------------|-----------------------------------|---------------------------------|------------------|------------|
| | | | | | | R _a | R ₉ | | | | | 5 m | 50 m |
| 5 12V | Häfele Loox5 LED 2062 | | | | | | | | | | | | |
| | 60 | 2700 | 4.8 | 440 | 92 | >90 | >50 | AG F | 50 | 4 | 6.0 | 833.74.336 | 833.74.340 |
| | | 3000 | 4.8 | 465 | 97 | >90 | >50 | AG F | 50 | 4 | 6.0 | 833.74.337 | 833.74.341 |
| | | 4000 | 4.8 | 490 | 102 | >90 | >50 | AG F | 50 | 4 | 6.0 | 833.74.338 | 833.74.342 |
| | | 5000 | 4.8 | 495 | 103 | >90 | >50 | AG F | 50 | 4 | 6.0 | 833.74.339 | 833.74.343 |
| | Häfele Loox5 LED 2065 | | | | | | | | | | | | |
| | 120 | 2700 | 4.8 | 440 | 92 | >90 | >50 | AG F | 25 | 4 | 6.0 | 833.74.354 | 833.74.358 |
| | | 3000 | 4.8 | 465 | 97 | >90 | >50 | AG F | 25 | 4 | 6.0 | 833.74.355 | 833.74.359 |
| | | 4000 | 4.8 | 490 | 102 | >90 | >50 | AG F | 25 | 4 | 6.0 | 833.74.356 | 833.74.360 |
| | | 5000 | 4.8 | 495 | 103 | >90 | >50 | AG F | 25 | 4 | 6.0 | 833.74.357 | 833.74.361 |
| | Häfele Loox5 LED 2068 | | | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 920 | 96 | >90 | >50 | AG F | 25 | 4 | 4.0 | 833.74.362 | 833.74.366 |
| 3000 | | 9.6 | 970 | 101 | >90 | >50 | AG F | 25 | 4 | 4.0 | 833.74.363 | 833.74.367 | |
| 4000 | | 9.6 | 1000 | 104 | >90 | >50 | AG F | 25 | 4 | 4.0 | 833.74.364 | 833.74.368 | |
| 5000 | | 9.6 | 1040 | 108 | >90 | >50 | AG F | 25 | 4 | 4.0 | 833.74.365 | 833.74.369 | |
| 5 24V | Häfele Loox5 LED 3042 | | | | | | | | | | | | |
| | 120 | 2700 | 4.8 | 440 | 92 | >90 | >50 | AG F | 50 | 4 | 12.0 | 833.76.316 | 833.76.320 |
| | | 3000 | 4.8 | 465 | 97 | >90 | >50 | AG F | 50 | 4 | 12.0 | 833.76.317 | 833.76.321 |
| | | 4000 | 4.8 | 490 | 102 | >90 | >50 | AG F | 50 | 4 | 12.0 | 833.76.318 | 833.76.322 |
| | | 5000 | 4.8 | 495 | 103 | >90 | >50 | AG F | 50 | 4 | 12.0 | 833.76.319 | 833.76.323 |
| | Häfele Loox5 LED 3045 | | | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 920 | 96 | >90 | >50 | AG F | 50 | 4 | 8.0 | 833.76.334 | 833.76.338 |
| | | 3000 | 9.6 | 970 | 101 | >90 | >50 | AG F | 50 | 4 | 8.0 | 833.76.335 | 833.76.339 |
| | | 4000 | 9.6 | 1000 | 104 | >90 | >50 | AG F | 50 | 4 | 8.0 | 833.76.336 | 833.76.340 |
| | | 5000 | 9.6 | 1040 | 108 | >90 | >50 | AG F | 50 | 4 | 8.0 | 833.76.337 | 833.76.341 |
| | Häfele Loox5 LED 3048 | | | | | | | | | | | | |
| | 120 | 2700 | 14.4 | 1270 | 88 | >90 | >50 | AG G | 50 | 4 | 6.2 | 833.76.352 | 833.76.356 |
| 3000 | | 14.4 | 1305 | 91 | >90 | >50 | AG G | 50 | 4 | 6.2 | 833.76.353 | 833.76.357 | |
| 4000 | | 14.4 | 1340 | 93 | >90 | >50 | AG F | 50 | 4 | 6.2 | 833.76.354 | 833.76.358 | |
| 5000 | | 14.4 | 1430 | 99 | >90 | >50 | AG F | 50 | 4 | 6.2 | 833.76.355 | 833.76.359 | |



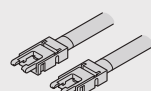
> 5 A/18 AWG lead
for LED strip light 8 mm

| Voltage | Length mm | Cat. No. |
|--------------|-----------|------------|
| 5 12V | 100 | 833.93.736 |
| | 500 | 833.95.701 |
| | 2000 | 833.95.700 |
| 5 24V | 100 | 833.75.743 |
| | 500 | 833.95.707 |
| | 2000 | 833.95.706 |



> 5 A clip connector
for 8 mm LED strip light

| | Cat. No. |
|----------------|------------|
| Clip connector | 833.89.206 |



> 5 A/18 AWG interconnecting lead
for 8 mm LED strip light

| Length mm | Cat. No. |
|-----------|------------|
| 50 | 833.89.191 |
| 500 | 833.89.192 |
| 2000 | 833.89.193 |



> Corner connector, 90° rigid, 5 A
for left or right for 8 mm LED strip light

| | Cat. No. |
|------------------------|------------|
| Corner connector rigid | 833.89.187 |

LED silicone strip lights

monochrome, 8 mm



Häfele Loox5 LED 2063/3043/3046



LED 2063



LED 3043/3046

Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Silicone
- > Finish/colour: White
- > Width: Strip: 8 mm, silicone sleeve: 10 mm
- > Height: Strip: 1.3 mm, silicone sleeve: 4.8 mm
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Degree of protection: IP44 / optional IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

Illuminance value in lx applies to 1 m strip length:

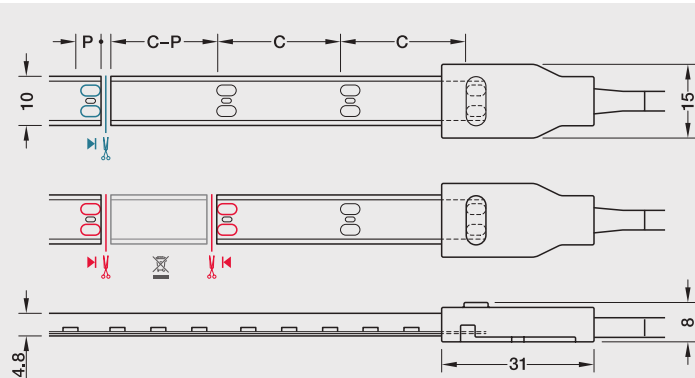
| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|--------|--------|--------|---------|------|---------|
| 920 lx | 960 lx | 975 lx | 1010 lx | | 250 mm |
| 390 lx | 410 lx | 415 lx | 425 lx | | 500 mm |
| 215 lx | 225 lx | 230 lx | 235 lx | | 750 mm |
| 135 lx | 140 lx | 145 lx | 145 lx | | 1000 mm |

LED 2063/3043

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|---------|---------|---------|---------|------|---------|
| 1855 lx | 1895 lx | 1960 lx | 2020 lx | | 250 mm |
| 790 lx | 805 lx | 840 lx | 860 lx | | 500 mm |
| 435 lx | 445 lx | 465 lx | 475 lx | | 750 mm |
| 270 lx | 275 lx | 290 lx | 295 lx | | 1000 mm |

LED 3046

Order reference:
Please order lead separately.



- Cut LED strip light to length (one contact side remains on the remainder piece; reusable)
- Connect LED strip lights (two contact sides required)

C = cut length
P = contact surface length

5 12 V Loox5 12 V driver see page 165

5 24 V Loox5 24 V driver see page 166

Minimal colour deviations due to silicone sleeve:

| Colour temperature of the LED | Colour deviation |
|-------------------------------|------------------|
| 2700 K | -30 K |
| 3000 K | -40 K |
| 4000 K | -50 K |
| 5000 K | -80 K |

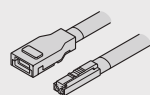
Häfele Loox5 LED 2063/3043/3046

| Voltage V | Quantity LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length | |
|--------------|------------------------------|-------------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------|-------------------------|------------------------|-----------------------------------|---------------------------------|-------------------|-------------------|
| | | | | | | R _a | R ₉ | | | | | 5 m | 15 m |
| 5 12V | Häfele Loox5 LED 2063 | | | | | | | | | | | | |
| | 60 | 2700 | 4.8 | 415 | 86 | >90 | >50 | | 50 | 4 | 6.0 | 833.74.344 | 833.74.348 |
| | | 3000 | 4.8 | 440 | 92 | >90 | >50 | | 50 | 4 | 6.0 | 833.74.345 | 833.74.349 |
| | | 4000 | 4.8 | 455 | 95 | >90 | >50 | | 50 | 4 | 6.0 | 833.74.346 | 833.74.350 |
| 5000 | | 4.8 | 460 | 96 | >90 | >50 | | 50 | 4 | 6.0 | 833.74.347 | 833.74.351 | |
| 5 24V | Häfele Loox5 LED 3043 | | | | | | | | | | | | |
| | 120 | 2700 | 4.8 | 415 | 86 | >90 | >50 | | 50 | 4 | 12.0 | 833.76.324 | 833.76.328 |
| | | 3000 | 4.8 | 440 | 92 | >90 | >50 | | 50 | 4 | 12.0 | 833.76.325 | 833.76.329 |
| | | 4000 | 4.8 | 455 | 95 | >90 | >50 | | 50 | 4 | 12.0 | 833.76.326 | 833.76.330 |
| 5000 | | 4.8 | 460 | 96 | >90 | >50 | | 50 | 4 | 12.0 | 833.76.327 | 833.76.331 | |
| | Häfele Loox5 LED 3046 | | | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 820 | 85 | >90 | >50 | | 50 | 4 | 8.0 | 833.76.342 | 833.76.346 |
| | | 3000 | 9.6 | 870 | 91 | >90 | >50 | | 50 | 4 | 8.0 | 833.76.343 | 833.76.347 |
| | | 4000 | 9.6 | 900 | 94 | >90 | >50 | | 50 | 4 | 8.0 | 833.76.344 | 833.76.348 |
| 5000 | | 9.6 | 930 | 97 | >90 | >50 | | 50 | 4 | 8.0 | 833.76.345 | 833.76.349 | |

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 176.



Degree of protection IP44



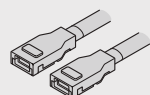
> 5 A/18 AWG lead
for 8 mm LED silicone strip light

| Voltage | Length mm | Cat. No. |
|--------------|-----------|-------------------|
| 5 12V | 2000 | 833.95.703 |
| 5 24V | 2000 | 833.95.709 |



> End cap set with adhesive
for 8 mm LED silicone strip light
for sealing the shortened silicone sleeve;
achieves degree of protection IP44

| | Cat. No. |
|------------------------------|-------------------|
| Set of 5, with 5 ml adhesive | 833.89.184 |



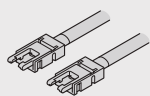
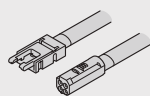
> 5 A/18 AWG interconnecting lead
for 8 mm LED silicone strip light

| Length mm | Cat. No. |
|-----------|-------------------|
| 50 | 833.89.203 |
| 500 | 833.89.204 |
| 2000 | 833.89.205 |



Degree of protection IP20

If required, you can implement an IP20 version with the leads, interconnecting leads and clip connectors for 8 mm monochrome LED strip lights, see accessories on page 35.



Stripper 006.13.485, see page 172

LED silicone strip lights

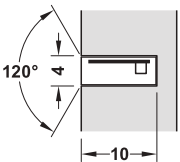
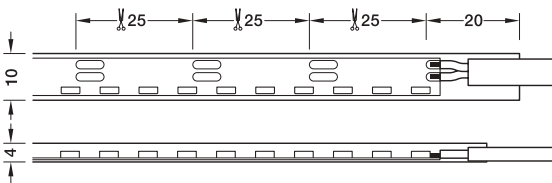
monochrome, lateral light emission



Häfele Loox5 LED 2099/3099



LED 2099/3099



Installation in groove

Illuminance in lx in relation to 1 m strip length:

| 2700 K | 3000 K | 4000 K | 5000 K | 120° | |
|--------|--------|--------|--------|------|---------|
| 820 lx | 840 lx | 845 lx | 860 lx | | 250 mm |
| 190 lx | 195 lx | 205 lx | 215 lx | | 500 mm |
| 85 lx | 90 lx | 100 lx | 100 lx | | 750 mm |
| 50 lx | 50 lx | 55 lx | 55 lx | | 1000 mm |

LED 2099/LED 3099

Lateral light emission, IP44

- > Light opening at the narrow side, no visible LED points
- > Slight groove (width 4 mm) and flat surface, shelves remain adjustable
- > Wave and ring shaped installation possible (radius min. 30 mm)
- > Can be split once: Both pieces with separate lead
- > Splash proof for use in wet rooms

- > Finish/colour: Matt white
- > Width: Strip: 8 mm, silicone sleeve: 10 mm
- > Height: silicone sleeve: 4 mm
- > Life time L80/B10: >50,000 h
- > Energy efficiency class: G
- > Degree of protection: IP44
- > Mounting: For press fitting into groove
- > Routing width: 4 mm
- > Routing depth: 10 mm
- > Supplied with: 1 roll with 2 x 0.2 m soldered lead 3.5 A/20 AWG (1 each on the left/right of the strip)

Loox5 12 V driver see page 165

Loox5 24 V driver see page 166



Häfele Loox5 LED 2099/3099

| Voltage | Quantity | Colour temperature | Wattage | Luminous flux | Luminous efficiency | Colour rendering index CRI | | Section length C | Length of contact surface P | Max. strip length (visual) | Available length |
|--------------|------------------------------|--------------------|---------|---------------|---------------------|----------------------------|----------------|------------------|-----------------------------|----------------------------|-------------------|
| V | LEDs/m | K | W/m | lm/m | lm/W | R _a | R ₉ | mm | mm | m | 3 m |
| 5 12V | Häfele Loox5 LED 2099 | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 500 | 52 | >90 | >50 | 25 | 6 | 3.0 | 833.74.260 |
| | | 3000 | 9.6 | 520 | 54 | >90 | >50 | 25 | 6 | 3.0 | 833.74.261 |
| | | 4000 | 9.6 | 540 | 56 | >90 | >50 | 25 | 6 | 3.0 | 833.74.262 |
| | | 5000 | 9.6 | 540 | 56 | >90 | >50 | 25 | 6 | 3.0 | 833.74.263 |
| 5 24V | Häfele Loox5 LED 3099 | | | | | | | | | | |
| | 120 | 2700 | 9.6 | 500 | 52 | >90 | >50 | 25 | 6 | 3.0 | 833.75.260 |
| | | 3000 | 9.6 | 520 | 54 | >90 | >50 | 25 | 6 | 3.0 | 833.75.261 |
| | | 4000 | 9.6 | 540 | 56 | >90 | >50 | 25 | 6 | 3.0 | 833.75.262 |
| | | 5000 | 9.6 | 540 | 56 | >90 | >50 | 25 | 6 | 3.0 | 833.75.263 |



Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 176.

LED strip lights

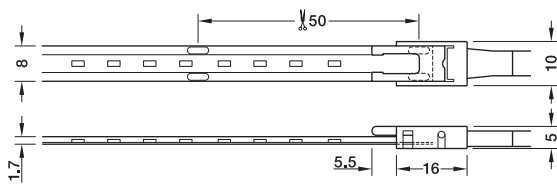
monochrome COB, 8 mm



Häfele Loox5 LED 3069



LED 3069



Illuminance in lx in relation to 1 m strip length

| | | | | 180° | |
|---------|---------|---------|---------|------|---------|
| 2700 K | 3000 K | 4000 K | 5000 K | | |
| 2015 lx | 2110 lx | 2270 lx | 2485 lx | | 250 mm |
| 510 lx | 530 lx | 550 lx | 620 lx | | 500 mm |
| 225 lx | 235 lx | 244 lx | 270 lx | | 750 mm |
| 125 lx | 130 lx | 140 lx | 150 lx | | 1000 mm |

LED 3069

- > Homogeneous illumination, no visible LED points
- > Refraction angle of 180°

- > Dimmable: Yes
- > Area of application: For lighting without visible light points in profiles with low installation height
- > Version: COB LED, i.e. continuous phosphor coating over all individual LEDs of the entire strip light, without visible points
- > Material: Plastic
- > Colour: White
- > Width of strip: 8 mm
- > Life time: L80/B10 > 50000 h
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with 1 roll

Loox5 24 V driver see page 166

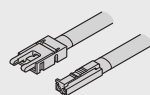
LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.



Häfele Loox5 LED 3069

| Voltage | Quantity | Colour temperature | Wattage | Luminous flux | Luminous efficiency | Colour rendering index CRI | | Section length C | Length of contact surface P | Max. strip length (visual) | Available length |
|---------|------------------------------|--------------------|---------|---------------|---------------------|----------------------------|----------------|------------------|-----------------------------|----------------------------|-------------------|
| V | LEDs/m | K | W/m | lm/m | lm/W | R _a | R ₉ | mm | mm | m | 5 m |
| 5 24 V | Häfele Loox5 LED 3069 | | | | | | | | | | |
| | 480 | 2700 | 8.0 | 565 | 71 | >90 | >50 | 50 | 5 | 5.0 | 833.76.391 |
| | | 3000 | 8.0 | 595 | 74 | >90 | >50 | 50 | 5 | 5.0 | 833.76.392 |
| | | 4000 | 8.0 | 620 | 78 | >90 | >50 | 50 | 5 | 5.0 | 833.76.393 |
| 5000 | | 8.0 | 660 | 83 | >90 | >50 | 50 | 5 | 5.0 | 833.76.394 | |

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 178.



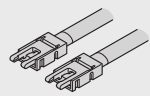
> Häfele Loox5 lead for LED strip light, monochrome, COB, 8 mm, 5 A

| Voltage | Length mm | Cat. No. |
|---------|-----------|-------------------|
| 5 24 V | 100 | 833.75.762 |
| | 500 | 833.75.763 |
| | 2000 | 833.75.764 |



> Häfele Loox5 clip connector for LED strip light, monochrome, COB, 8 mm, 5 A

| | Cat. No. |
|----------------|-------------------|
| Clip connector | 833.75.767 |



> Häfele Loox5 interconnecting lead for LED strip light, monochrome, COB, 8 mm, 5 A

| Length mm | Cat. No. |
|-----------|-------------------|
| 50 | 833.75.765 |
| 2000 | 833.75.766 |



Note

The cables and clips listed here are exclusively intended for use with the Loox5 COB strip light. This also applies vice-versa: the strip light may only be operated with these accessories.

LED strip lights

multi-white, 8 mm



Häfele Loox5 LED 2064 / 2070 / 3044 / 3047 / 3049



LED 2064



LED 2070



LED 3044 / 3047 / 3049

Optimised light mixture

- > Cool white and warm white LEDs in the smallest of spaces
- > Optimal light mixture without flickering

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 8 mm
- > Height: 1.3 mm
- > Life time L80/B10: >50,000 h
- > Energy efficiency class: F
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

Illuminance value in lx applies to 1 m strip length:

| 2700 K | 5000 K | 120° | |
|---------|---------|------|---------|
| 1025 lx | 1075 lx | | 250 mm |
| 425 lx | 445 lx | | 500 mm |
| 230 lx | 245 lx | | 750 mm |
| 145 lx | 150 lx | | 1000 mm |

LED 2064 / 3044

| 2700 K | 5000 K | 120° | |
|---------|---------|------|---------|
| 1865 lx | 2045 lx | | 250 mm |
| 785 lx | 865 lx | | 500 mm |
| 430 lx | 475 lx | | 750 mm |
| 270 lx | 295 lx | | 1000 mm |

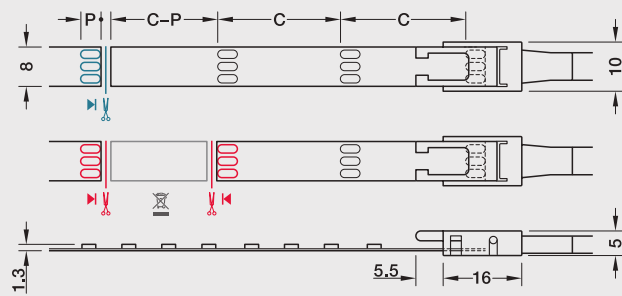
LED 2070 / 3047

| 2700 K | 5000 K | 120° | |
|---------|---------|------|---------|
| 2780 lx | 2800 lx | | 250 mm |
| 1180 lx | 1200 lx | | 500 mm |
| 650 lx | 660 lx | | 750 mm |
| 405 lx | 415 lx | | 1000 mm |

LED 3049

Order reference:
Please order lead separately.

Aluminium profile recommended from 9.6 W/m, see page 44



- Cut LED strip light to length (one contact side remains on the remainder piece; reusable)
- Connect LED strip lights (two contact sides required)

C = cut length
P = contact surface length

5 12 V Loox5 12 V driver see page 165

5 24 V Loox5 24 V driver see page 166

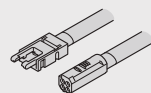
Ordering instruction
Accessories are required for controlling multi-white lights. Please order separately, see chapter Networking, page 122.



Häfele Loox5 LED 2064 / 2070 / 3044 / 3047 / 3049

| Voltage V | Quantity LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Colour rendering index CRI | | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length | |
|--------------|------------------------------|-------------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------|------------------------|-----------------------------------|---------------------------------|------------------|------------|
| | | | | | | R _a | R ₉ | | | | 5 m | 50 m |
| 5 12V | Häfele Loox5 LED 2064 | | | | | | | | | | | |
| | 2 x 60 | 2700 5000 | 4.8 | 425 465 | 89 97 | >90 | >80 | 50 | 4 | 4.5 | 833.74.352 | 833.74.353 |
| | Häfele Loox5 LED 2070 | | | | | | | | | | | |
| | 2 x 120 | 2700 5000 | 9.6 | 825 930 | 86 97 | >90 | >80 | 25 | 3.5 | 3.5 | 833.74.370 | 833.74.371 |
| 5 24V | Häfele Loox5 LED 3044 | | | | | | | | | | | |
| | 2 x 120 | 2700 5000 | 4.8 | 425 465 | 89 97 | >90 | >80 | 50 | 3.5 | 8.5 | 833.76.332 | 833.76.333 |
| | Häfele Loox5 LED 3047 | | | | | | | | | | | |
| | 2 x 120 | 2700 5000 | 9.6 | 825 930 | 86 97 | >90 | >80 | 50 | 3.5 | 6.5 | 833.76.350 | 833.76.351 |
| | Häfele Loox5 LED 3049 | | | | | | | | | | | |
| | 2 x 120 | 2700 5000 | 14.4 | 1230 1370 | 85 95 | >90 | >80 | 50 | 3.5 | 5.0 | 833.76.360 | 833.76.361 |

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 178.



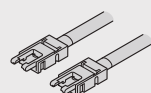
> 3.5 A/20 AWG lead
for 8 mm multi-white LED strip light

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 2000 | 833.95.702 |
| 5 24V | 2000 | 833.95.708 |



> 3.5 A clip connector
for 8 mm multi-white LED strip light

| | Cat. No. |
|----------------|------------|
| Clip connector | 833.89.208 |



> 3.5 A/20 AWG interconnecting lead
for 8 mm multi-white LED strip light

| Length mm | Cat. No. |
|-----------|------------|
| 50 | 833.89.197 |
| 500 | 833.89.198 |
| 2000 | 833.89.199 |



> Corner connector 90° rigid, 3.5 A
for left or right for 8 mm multi-white LED
strip light

| | Cat. No. |
|------------------------|------------|
| Corner connector rigid | 833.89.188 |

LED strip lights

RGB, 10 mm



Häfele Loox5 LED 2080/3080



LED 2080/3080

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 10 mm
- > Height: 2.4 mm
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll

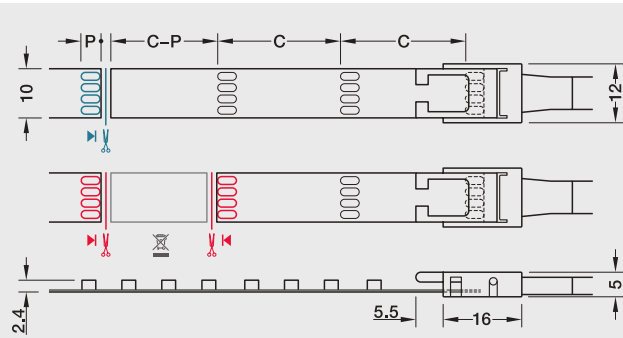


Order reference:

Please order lead separately.



Aluminium profile recommended from 9.6 W/m, see page 44



- Cut LED strip light to length
(one contact side remains on the remainder piece; reusable)
- Connect LED strip lights
(two contact sides required)

C = cut length
P = contact surface length



5 12 V

Loox5 12 V driver see page 165

5 24 V

Loox5 24 V driver see page 166



Ordering instruction

Accessories are required for controlling RGB lights.
Please order separately, see chapter Networking, page 122.

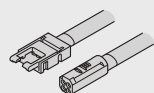


Häfele Loox5 LED 2080/3080

| Voltage V | Number of LEDs/m | Colour temperature K | Wattage W/m | Luminous flux lm/m | Luminous efficiency lm/W | Section length C mm | Length of contact surface P mm | Max. strip length (visual) m | Available length |
|--------------|------------------------------|----------------------|-------------|--------------------|--------------------------|---------------------|--------------------------------|------------------------------|-------------------|
| 5 12V | Häfele Loox5 LED 2080 | | | | | | | | |
| | 120 | RGB | 9.6 | 530 | 51 | 25 | 3.8 | 3.0 | 833.74.380 |
| 5 24V | Häfele Loox5 LED 3080 | | | | | | | | |
| | 120 | RGB | 9.6 | 530 | 51 | 50 | 3.8 | 6.5 | 833.76.386 |



Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 178.



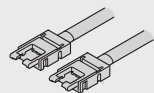
> 3.5 A/20 AWG lead for LED RGB strip light, 10 mm

| Voltage | Length mm | Cat. No. |
|--------------|-----------|-------------------|
| 5 12V | 2000 | 833.95.704 |
| 5 24V | 2000 | 833.95.710 |



> 3.5 A clip connector for LED RGB strip light, 10 mm

| | Cat. No. |
|----------------|-------------------|
| Clip connector | 833.89.209 |



> 3.5 A/20 AWG interconnecting lead for LED RGB strip light, 10 mm

| Length mm | Cat. No. |
|-----------|-------------------|
| 50 | 833.89.200 |
| 500 | 833.89.201 |
| 2000 | 833.89.202 |



> Corner connector, 90° rigid, 3.5 A for left or right for LED RGB strip light, 10 mm

| | Cat. No. |
|------------------------|-------------------|
| Corner connector rigid | 833.89.189 |

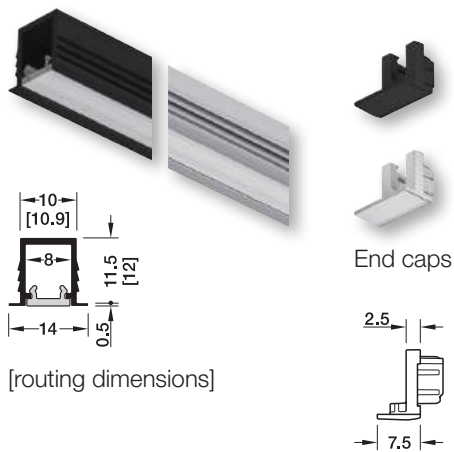
Profiles for recess mounting

Aluminium

Häfele Loox5 profile 1104 / 1103



Häfele Loox5 profile 1104



- > Material: Profile: aluminium, diffuser: polycarbonate
- > Finish/colour: Profile: anodized, diffuser: opal white, light permeability 60–70 %
- > Length: 3000 mm
- > Diffuser width: Profile 1104: 8 mm
Profile 1103: 11 mm
- > Supplied with: 1 aluminium profile
1 diffuser opal white

| Colour | Profile 1104 | Profile 1103 |
|-----------------|--------------|--------------|
| Black | 833.95.725 | 833.95.723 |
| Silver coloured | 833.95.724 | 833.95.722 |

Note
Profile 1104 suitable for use with LED strip lights max. 5 mm wide.

End caps for Häfele Loox5 profile 1104, 1103

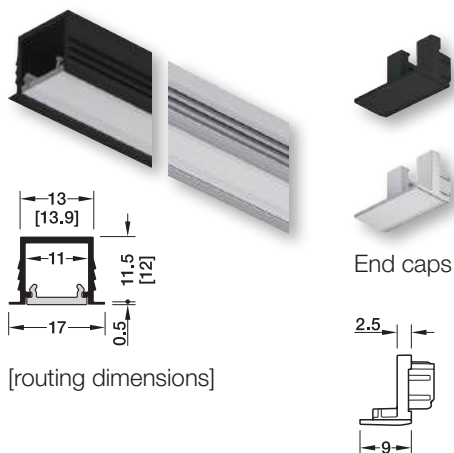
- > Material: Plastic
- > Version: With cable outlet
- > Packing: 10 piece

| Colour | End cap 1104 | End cap 1103 |
|-----------------|--------------|--------------|
| Black | 833.95.769 | 833.95.767 |
| Silver coloured | 833.95.768 | 833.95.766 |

Diffusers
The diffuser creates a uniform light.
The LED points are invisible from 120 LEDs/m.
If required, please order alternative diffusers in black or transparent separately.

Diffusers see page 61
Motion detector / dimmer for aluminium profile see page 112/113

Häfele Loox5 profile 1103



Profiles for recess mounting

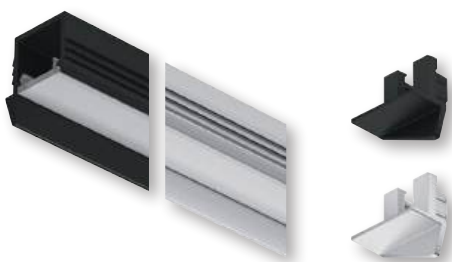
Aluminium



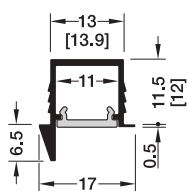
Häfele Loox5 profile 1105, asymmetric light distribution



Häfele Loox5 profile 1105



End caps



[routing dimensions]



- > Material: Profile: aluminium, diffuser: polycarbonate
- > Finish/colour: Profile: anodized, diffuser: opal white, light permeability 60–70 %
- > Length: 3000 mm
- > Diffuser width: 11 mm
- > Supplied with: 1 aluminium profile
1 diffuser opal white

| Colour | Cat. No. |
|-----------------|------------|
| Black | 833.95.727 |
| Silver coloured | 833.95.726 |

End caps for Häfele Loox5 profile 1105

- > Material: Plastic
- > Version: With cable outlet
- > Packing: 10 piece

| Colour | Cat. No. |
|-----------------|------------|
| Black | 833.95.771 |
| Silver coloured | 833.95.770 |

Anti-glare shield

Asymmetric light distribution allows for a glare-free light source.

Diffusers
The diffuser creates a uniform light.
The LED points are invisible from 120 LEDs/m.
If required, please order alternative diffusers in black or transparent separately.

Diffusers see page 61
Motion detector / dimmer for aluminium profile see page 112/113

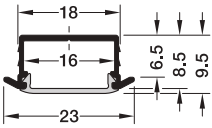
Profiles for recess mounting

Aluminium

Häfele Loox profile for recess mounting 1190



End cap



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 18 mm
- > Height: 8.5 mm
- > Supplied with: 1 profile, 1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.72.844 |
| Frosted | Non-EU markets | 833.72.845 |
| Opal white | EU markets | 833.72.983 |

! LED points are always visible when this profile is used

+ End cap, with cable outlet

- > Material: Plastic, silver coloured
- > Supplied with: 2 piece

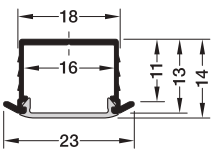
| | Cat. No. |
|--------------------------|-------------------|
| End cap for profile 1190 | 833.72.855 |

➔ Switch for aluminium profiles 16 mm see page 114
Diffusers see page 61

Häfele Loox profile for recess mounting 1191



End cap



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 18 mm
- > Height: 13 mm
- > Supplied with: 1 profile, 1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.72.846 |
| Frosted | Non-EU markets | 833.72.847 |
| Opal white | EU markets | 833.72.984 |

+ End cap, with cable outlet

- > Material: Plastic, silver coloured
- > Supplied with: 2 piece

| | Cat. No. |
|--------------------------|-------------------|
| End cap for profile 1191 | 833.72.854 |

➔ Switch for aluminium profiles 16 mm see page 114
Diffusers see page 61

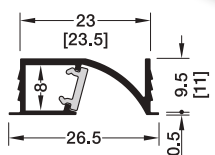
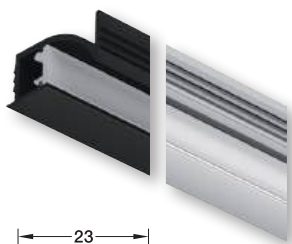
Profiles for recess mounting

Aluminium

Häfele Loox5 profile 1107/1106, asymmetric light distribution



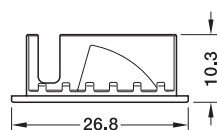
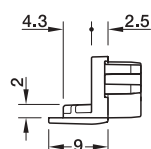
Häfele Loox5 profile 1107



[routing dimensions]



End caps



- > Material: Profile: aluminium, diffuser: polycarbonate
- > Finish/colour: Profile: anodized, diffuser: opal white, light permeability 60–70 %
- > Length: 3000 mm
- > Diffuser width: Profile 1107: 8 mm, profile 1106: 11 mm
- > Supplied with: 1 aluminium profile
1 diffuser opal white

| Colour | Profile 1107 | Profile 1106 |
|-----------------|--------------|--------------|
| Black | 833.95.731 | 833.95.729 |
| Silver coloured | 833.95.730 | 833.95.728 |

! Profile 1106 and 1107 suitable for use with LED strip lights up to a width of max. 5 mm.
Glare-free light, ideal for vertical installation in wardrobes.

+ End caps for Häfele Loox5 profile 1107 and 1106

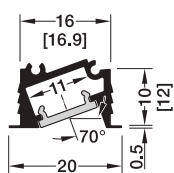
- > Material: Plastic
- > Version: With cable outlet
- > Mounting: For screw fixing
- > Supplied with: 10 piece

| Colour | Profile 1107 | Profile 1106 |
|-----------------|--------------|--------------|
| Black | 833.95.820 | 833.95.773 |
| Silver coloured | 833.95.821 | 833.95.772 |

! **Diffusers**
The diffuser creates a uniform light.
If required, please order alternative diffusers in black or transparent separately.

➔ Diffusers see page 61
833.72.799 Insert aid for profile 1107 see page 172

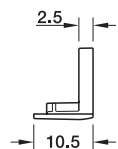
Häfele Loox5 profile 1106



[routing dimensions]



End caps



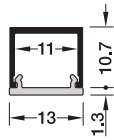
Profiles for surface mounting

Aluminium

Häfele Loox5 profile 2101 / 2102



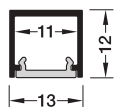
Häfele Loox5 profile 2101



Surface mounted diffuser

- > Material: Profile: aluminium, diffuser: polycarbonate
- > Finish/colour: Profile: anodized, diffuser: opal white, light permeability 60–70 %
- > Length: 3000 mm
- > Diffuser width: Profile 2101: 13 mm
Profile 2102: 11 mm
- > Supplied with: 1 aluminium profile
1 diffuser opal white

Häfele Loox5 profile 2102



Flush recess mounted diffuser

| Colour | Profile 2101 | Profile 2102 |
|----------------------------------|--------------|--------------|
| Black | 833.95.733 | 833.95.735 |
| Brushed stainless steel coloured | 833.95.762 | 833.95.763 |
| Silver coloured | 833.95.732 | 833.95.734 |

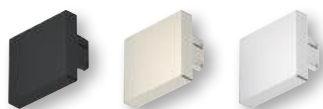
! Diffusers
The diffuser creates a uniform light. The LED points are invisible from 120 LEDs/m. If required, please order alternative diffusers in black or transparent (only for width 11 mm) separately.

➔ Diffusers see page 61
Motion detector / dimmer for aluminium profile see page 112/113

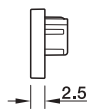


Häfele Loox5 profile 2101 / 2102

Häfele Loox5 profile 2101



End caps



End caps for Häfele Loox5 profile 2101 / 2102

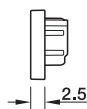
- > Material: Plastic
- > Version: With drill mark for cable outlet
- > Supplied with: 10 piece

| Colour | End cap 2101 | End cap 2102 |
|----------------------------------|--------------|--------------|
| Black | 833.95.775 | 833.95.778 |
| Brushed stainless steel coloured | 833.95.776 | 833.95.779 |
| Silver coloured | 833.95.774 | 833.95.777 |

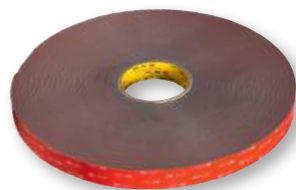
Häfele Loox5 profile 2102



End caps



Adhesive tape for Häfele Loox5 profile 2101 / 2102



- > Area of application: For fixing aluminium on wood, metals, or plastics
- > Version: Double-sided, high instant adhesion, high temperature resistance
- > Length: 33 m
- > Width: 10 mm
- > Thickness: 0.6 mm

| | Cat. No. |
|---------------|------------|
| Adhesive tape | 833.89.266 |



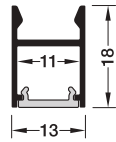
Profiles for surface mounting

Aluminium

Häfele Loox5 profile 2103/2104, with concealed fixing

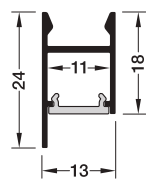
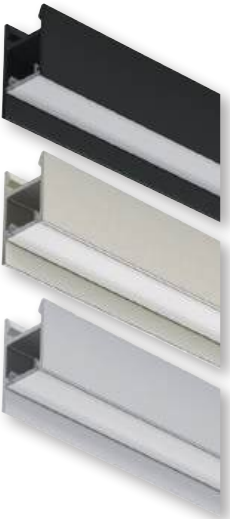


Häfele Loox5 profile 2103



- > Material: Profile: aluminium, diffuser: polycarbonate
- > Finish/colour: Profile: anodized, diffuser: opal white, light permeability 60–70 %
- > Length: 3000 mm
- > Diffuser width: 11 mm
- > Supplied with: 1 aluminium profile
1 diffuser opal white

Häfele Loox5 profile 2104, with asymmetric light distribution



| Colour | Profile 2103 | Profile 2104 |
|----------------------------------|--------------|--------------|
| Black | 833.95.737 | 833.95.739 |
| Brushed stainless steel coloured | 833.95.764 | 833.95.765 |
| Silver coloured | 833.95.736 | 833.95.738 |

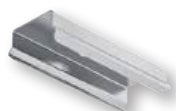
Order reference
Please order (mandatory) mounting bracket separately.

Diffusers
The diffuser creates a uniform light.
The LED points are invisible from 120 LEDs/m.
If required, please order alternative diffusers in black or transparent separately.

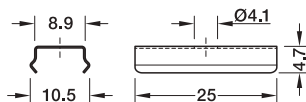
Diffusers see page 61
Motion detector / dimmer for aluminium profile see page 112/113



Häfele Loox5 profile 2103/2104, with concealed fixing



Mounting bracket for concealed fixing



Mounting bracket

- > Material: Stainless steel
- > Mounting: For screw fixing
- > Supplied with: 10 piece

| | Cat. No. |
|-------------------------|-------------------|
| Mounting bracket | 833.95.761 |

End caps for Häfele Loox5 profile 2103/2104

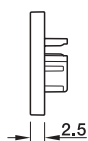
- > Material: Plastic
- > Version: With drill mark for cable outlet
- > Supplied with: 10 piece

| Colour | End cap 2103 | End cap 2104 |
|----------------------------------|-------------------|-------------------|
| Black | 833.95.781 | 833.95.784 |
| Brushed stainless steel coloured | 833.95.782 | 833.95.785 |
| Silver coloured | 833.95.780 | 833.95.783 |

Häfele Loox5 profile 2103



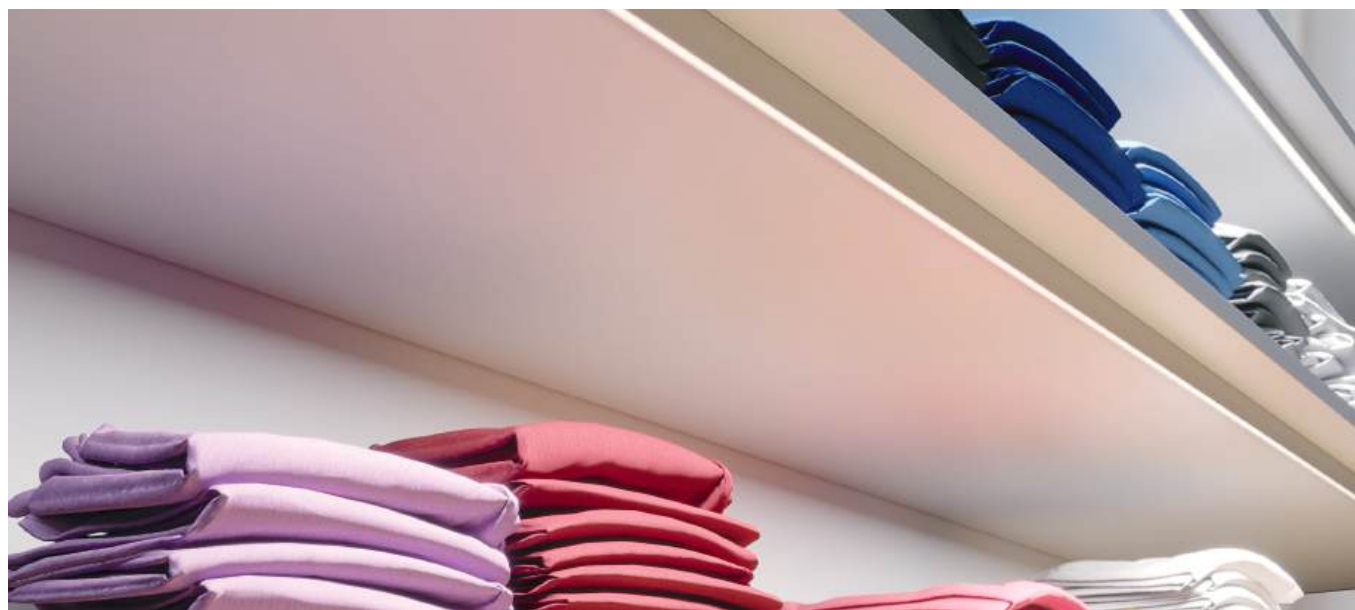
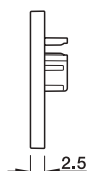
End caps



Häfele Loox5 profile 2104



End caps



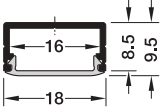
Profiles for surface mounting

Aluminium

Häfele Loox profile for surface mounting, profile 2190



End cap



- > Material: Profile: aluminium, diffuser: Plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width x height: 2500 x 18 mm x 9.5 mm
- > Supplied with: 1 profile, 1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.72.840 |
| Frosted | Non-EU markets | 833.72.843 |
| Opal white | EU markets | 833.72.981 |

Note
LED points are always visible when this profile is used. Permanent operation (≥ 8 hours/day) only with LED strip lights up to 9.6 W/m.

Order reference

Please order retaining clip (optional) separately



End cap

- > Material: Plastic, silver coloured
- > Supplied with: 2 piece

| | Cat. No. |
|--------------------------|-------------------|
| End cap for profile 2190 | 833.72.852 |

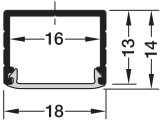


Switch for aluminium profiles 16 mm see page 114
Diffusers see page 61

Häfele Loox profile for surface mounting, profile 2191



End cap



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width x height: 2500 x 18 mm x 14 mm
- > Supplied with: 1 profile, 1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.72.841 |
| Frosted | Non-EU markets | 833.72.842 |
| Opal white | EU markets | 833.72.982 |



Order reference

Please order retaining clip (optional) separately



End cap

- > Material: Plastic, silver coloured
- > Supplied with: 2 piece

| | Cat. No. |
|--------------------------|-------------------|
| End cap for profile 2191 | 833.72.853 |



Retaining clip

- > Material: Stainless steel, silver coloured
- > Supplied with: 2 piece

| Version | Cat. No. |
|--------------------|-------------------|
| Retaining clip | 833.74.832 |
| Retaining clip 40° | 833.74.833 |



Switch for aluminium profiles 16 mm see page 114
Diffusers see page 61



Retaining clip

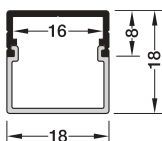


Retaining clip 40°

Profiles for surface mounting

Aluminium

Häfele Loox profile for surface mounting, profile 2192, with surface mounted diffuser housing



End cap



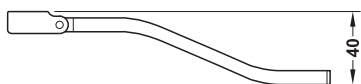
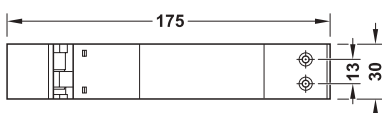
Retaining clip



Retaining clip 40°



Mounting arm



- > Material: Profile: aluminium
Diffuser housing: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 18 mm
- > Height: 18 mm
- > Supplied with: 1 aluminium profile
1 diffuser housing

| Diffuser housing | Market availability | Cat. No. |
|------------------|---------------------|------------|
| Milky | Non-EU markets | 833.74.813 |
| Opal white | EU markets | 833.72.988 |



End cap

- > Material: Plastic, silver coloured
- > Version: With cable outlet
- > Supplied with: 2 piece

| | Cat. No. |
|--------------------------|------------|
| End cap for profile 2192 | 833.74.823 |

Retaining clip

- > Material: Stainless steel, silver coloured
- > Application: For surface mounting
- > Supplied with: 2 piece

| Version | Cat. No. |
|--------------------|------------|
| Retaining clip | 833.74.832 |
| Retaining clip 40° | 833.74.833 |

Mounting arm for profile 833.74.813

- > Material: Aluminium, silver coloured anodized
- > Version: Can be swivelled 30° horizontally
- > Length x width: 175 x 30 mm
- > Height: 40 mm
- > Application: For surface mounting
- > Supplied with: 1 pair of mounting arms,
2 end caps

| | Cat. No. |
|-------------------------------------|------------|
| Mounting arm for profile 833.74.813 | 833.74.834 |



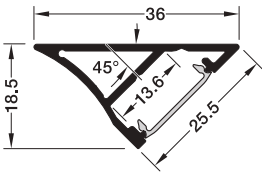
Max. distance of retaining clips 500 mm.
The mounting arms make it possible to have customised, perfectly fitting surface mounted cabinet lights.



Profiles for surface mounting

Aluminium

Häfele Loox profile for surface mounting, profile 2193, asymmetrical light distribution



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Version: Indirect light output
- > Length x width: 2500 x 36 mm
- > Height: 18.5 mm
- > Diffuser width: 16 mm
- > Supplied with: 1 aluminium profile
1 diffuser

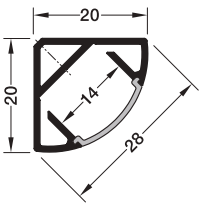
| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.74.898 |
| Opal white | EU markets | 833.72.986 |

+ End cap, with cable outlet

- > Material: Plastic, silver coloured
- > Supplied with: 2 piece

| | Cat. No. |
|--------------------------|-------------------|
| End cap for profile 2193 | 833.74.899 |

Häfele Loox corner profile, profile 2195



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 20 mm
- > Height: 20 mm
- > Supplied with: 1 aluminium profile
1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|-------------------|
| Milky | Non-EU markets | 833.74.812 |
| Opal white | EU markets | 833.72.987 |

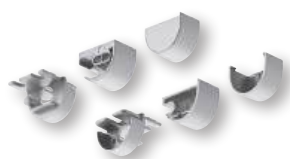
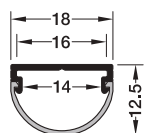
- + > Material: End cap and holder: Plastic, silver coloured
Mounting plate: stainless steel
- > Supplied with: 2 piece

| | Cat. No. |
|--|-------------------|
| End cap with cable outlet for profile 2195 | 833.74.822 |
| Holder | 833.74.825 |
| Mounting plate | 833.74.826 |

Profiles for surface mounting

Aluminium

Häfele Loox drawer profile, profile 2194

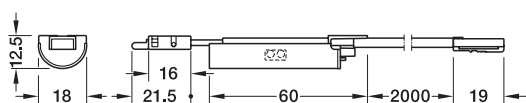


End caps

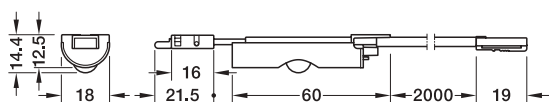
Retaining clip



Door sensor



Motion detector



- > Material: Profile: aluminium, diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 18 mm
- > Height: 12.5 mm
- > Supplied with: 1 aluminium profile
1 diffuser

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|------------|
| Milky | Non-EU markets | 833.74.835 |
| Opal white | EU markets | 833.72.991 |

+ End cap set

- > Material: ABS plastic, silver coloured
- > Supplied with: 5 sets of end caps, fixing screws

| | Cat. No. |
|-------------|------------|
| End cap set | 833.74.877 |

Retaining clip

- > Material: Stainless steel, silver coloured
- > Supplied with: 2 piece

| | Cat. No. |
|----------------|------------|
| Retaining clip | 833.74.893 |

Loox5 door sensor for Häfele Loox drawer profile

- > Area of application: For monochrome Loox5 LED strip lights 8 mm

| Voltage | Switching capacity | Cat. No. |
|---------|--------------------|------------|
| 5 12V | 60 W | 833.89.251 |
| 5 24V | 120 W | 833.89.253 |

Loox5 motion detector for Häfele Loox drawer profile

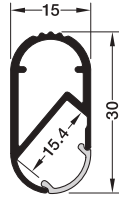
- > Area of application: For monochrome Loox5 LED strip lights 8 mm
- > Delay time: 30 sec.
- > Sensor range: 0–3000 mm

| Voltage | Switching capacity | Cat. No. |
|---------|--------------------|------------|
| 5 12V | 60 W | 833.89.252 |
| 5 24V | 120 W | 833.89.254 |

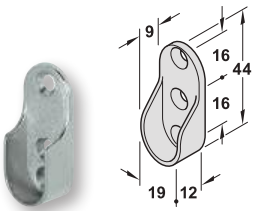
Profiles

Aluminium

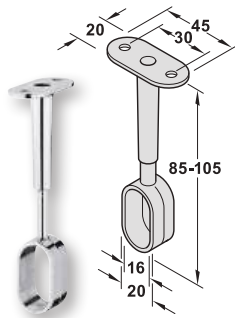
Häfele Loox wardrobe rail, profile 5105, asymmetric light distribution



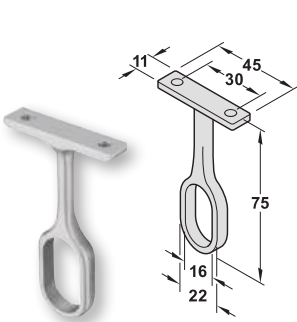
- > Material: Profile: aluminium, Diffuser: plastic
- > Finish/colour: Profile: silver coloured anodized
- > Length x width: 2500 x 15 mm
- > Height: 30 mm
- > Supplied with: 1 aluminium profile, 1 diffuser



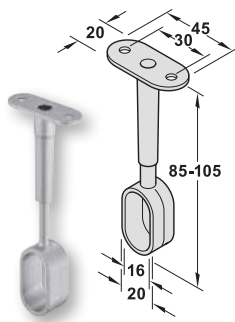
Lateral support



Lateral support height adjustable



Rail centre support



Centre support height adjustable

| Diffuser | Market availability | Cat. No. |
|------------|---------------------|------------|
| Frosted | Non-EU markets | 833.72.790 |
| Opal white | EU markets | 833.72.980 |

! LED points are always visible when this profile is used.

Wardrobe rail type

- > Material: Zinc alloy
- > Mounting: For screw fixing
- > Supplied with: 1 piece

| | Colour/finish | Cat. No. |
|------------------------------------|-------------------------------|------------|
| Lateral support | Aluminium coloured, lacquered | 803.25.950 |
| Lateral support, height adjustable | Aluminium coloured, lacquered | 803.24.900 |

Wardrobe rail, rail centre support

- > Material: Zinc alloy
- > Mounting: For screw fixing
- > Supplied with: 1 piece

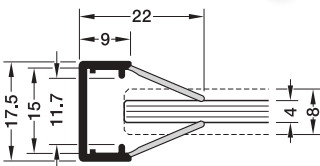
| | Colour/finish | Cat. No. |
|-----------------------------------|-------------------------------|------------|
| Rail centre support | Aluminium coloured, lacquered | 802.07.900 |
| Centre support, height adjustable | Aluminium coloured, lacquered | 802.07.910 |

- > Material: Plastic
- > Finish/colour: Profile: silver coloured, Diffusers: milky
- > Length x width: 2000 x 17.5 mm
- > Height: 22 mm
- > Mounting: For clipping on
- > Supplied with: 1 aluminium profile, 2 diffusers milky

| | Cat. No. |
|-------------------------------|------------|
| Glass edge protection profile | 833.74.733 |

! For manufacturing customised glass edge lighting for glass thicknesses of 4–8 mm. Without load bearing function. Only for LED strip lights with max. 9.6 W/m.

Häfele Loox glass edge profile, profile 5108



Effect of the glass edge on the light

- > Glass edge with satin finish = even light line
- > Clear glass edge = point light

Profiles

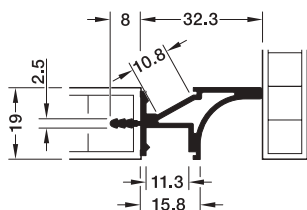
Aluminium



ILLUMINATING



Häfele Loox profile for recess mounting, profile 1108

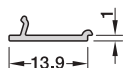


- > Material: Aluminium
- > Colour: Silver coloured anodized
- > Supplied with: 1 aluminium profile
- > Packing: 1 piece

| Length mm | Cat. No. |
|-----------|------------|
| 3000 | 833.72.938 |

➔ Please order 2 833.72.937 diffusers (one for top and one for bottom) separately.

Häfele Loox diffuser



- > Material: Polycarbonate
- > Finish/colour: Opal white
- > Packing: 1 piece

| Length mm | Width mm | Cat. No. |
|-----------|----------|------------|
| 3000 | 15 | 833.72.937 |

EXTENDING



SWITCHING



NETWORKING



DISTRIBUTING



SUPPLYING



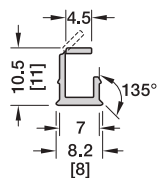
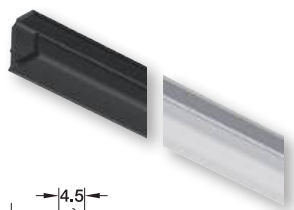
Profiles for recess mounting

Plastic

Häfele Loox5 profile 1102/1101



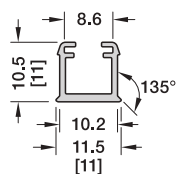
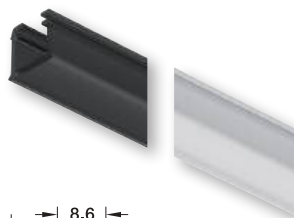
Häfele Loox5 profile 1102



[routing dimensions]

- > Material: Polycarbonate
- > Length: 3000 mm
- > Supplied with: 1 plastic profile

Häfele Loox5 profile 1101



[routing dimensions]

| Colour | Light permeability | Profile 1102 | Profile 1101 |
|------------|--------------------|--------------|--------------|
| Black | ~20 % | 833.95.741 | 833.72.899 |
| Opal white | 60–70 % | 833.95.740 | 833.72.898 |

Note
 Profile 1102 and 1101 suitable for use with LED strip lights up to max. 9.6 W/m.
 Profile 1102 suitable for use with LED strip lights max. 5 mm wide.
 Profile 1101 usable only for LED strip lights with a width of precisely 8 mm.
 The diffuser creates a uniform light.
 The LED points in the white version are invisible from 120 LEDs/m.

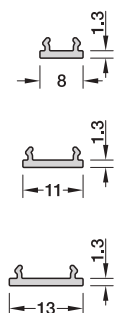
Diffusers, cooling strip



Diffusers Häfele Loox5 for profiles for recess mounting 1103-1107 as well as for profiles for recess mounting 2101-2104



Dimensions



- > Material: Polycarbonate
- > Length: 3000 mm
- > Supplied with: 1 diffuser

| Width mm | Light permeability | | |
|----------|--------------------|---------------------|--------------|
| | transparent, ~90 % | opal white, 60-70 % | black, ~20 % |
| 8 | 833.95.797 | 833.95.754 | 833.95.758 |
| 11 | 833.95.757 | 833.95.755 | 833.95.759 |
| 13 | - | 833.95.756 | 833.95.760 |

! The white diffuser creates a uniform light. The LED points are invisible from 120 LEDs/m. When using the black diffuser, LED points may be visible. LED points are always visible when the transparent diffuser is used.

Häfele Loox diffusers for profiles with 16 mm internal dimension 1190/1194/2190/2193



Frosted



Milky



protruding



flush

- > Material: Plastic
- > Length: 2500 mm
- > Supplied with: 1 diffuser

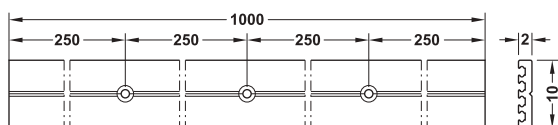
| Diffuser | Cat. No. |
|--|------------|
| Version: Protruding, for push fitting | |
| Frosted | 833.74.780 |
| Milky | 833.74.781 |
| Opal white | 833.72.936 |
| Version: Flush, for sliding in | |
| Frosted | 833.72.858 |
| Milky | 833.72.859 |

! Simple replacement of existing diffusers in order, for example to switch from frosted to milky.

Häfele Loox cooling strip



- > Material: Aluminium
- > Length x width: 1000 x 10 mm
- > Height: 2 mm
- > Mounting: For screw fixing, drill holes at 250 mm, 500 mm, and 750 mm
- > Supplied with: 1 profile



| | Cat. No. |
|---------------|------------|
| Cooling strip | 833.77.700 |

Recess/surface mounted downlights

Modular monochrome, drill hole Ø: 58 mm



Häfele Loox LED 2025, Loox5 LED 2092/3092



LED 2092 and LED 3092 equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Aluminium
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Degree of protection: IP45 as recess mounted light; IP20 as surface mounted downlight
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 58 mm
- > Supplied with: 1 light module

| 2700 K | 3000 K | 4000 K | 5000 K | 80° | |
|---------|---------|---------|---------|-----|---------|
| 2600 lx | 2650 lx | 2700 lx | 2800 lx | | 250 mm |
| 730 lx | 750 lx | 780 lx | 800 lx | | 500 mm |
| 320 lx | 340 lx | 345 lx | 350 lx | | 750 mm |
| 180 lx | 185 lx | 185 lx | 190 lx | | 1000 mm |

LED 2025

| 2700 K | 3000 K | 4000 K | 5000 K | 80° | |
|---------|---------|---------|---------|-----|---------|
| 1870 lx | 1990 lx | 2025 lx | 2135 lx | | 250 mm |
| 500 lx | 540 lx | 540 lx | 580 lx | | 500 mm |
| 210 lx | 230 lx | 235 lx | 240 lx | | 750 mm |
| 120 lx | 125 lx | 130 lx | 135 lx | | 1000 mm |

LED 2092/3092



Note

The degree of protection IP45 is reduced to IP20 with surface mounting or recess mounting with through hole.

Order reference

Please order lead and housing separately.



5 12 V

Loox5 12 V driver see page 165

5 24 V

Loox5 24 V driver see page 166

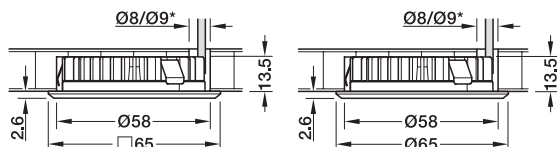


Häfele Loox LED 2025, Loox5 LED 2092/3092

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Cat. No. | |
|--------------|------------------------------|------------------------------|--------------|---------------------|-----------------------------|-------------------------------|----------------|-------------------------|------------|------------|
| | | | | | | R _a | R ₉ | | | |
| 5 12V | Häfele Loox LED 2025 | | | | | | | | | |
| | 1 | 2700 | 3.8 | 270 | 71 | >90 | >55 | | 833.72.350 | |
| | | 3000 | 3.8 | 300 | 78 | >90 | >65 | | 833.72.351 | |
| | | 4000 | 3.8 | 306 | 80 | >90 | >65 | | 833.72.352 | |
| | | 5000 | 3.8 | 345 | 90 | >83 | >7 | | 833.72.323 | |
| | Häfele Loox5 LED 2092 | | | | | | | | | |
| | 6 | 2700 | 3.4 | 220 | 65 | >90 | >55 | | 833.72.474 | |
| | | 3000 | 3.4 | 240 | 71 | >90 | >55 | | 833.72.475 | |
| | | 4000 | 3.4 | 250 | 74 | >90 | >55 | | 833.72.476 | |
| | | 5000 | 3.4 | 260 | 76 | >90 | >55 | | 833.72.477 | |
| | 5 24V | Häfele Loox5 LED 3092 | | | | | | | | |
| | | 6 | 2700 | 3.4 | 220 | 65 | >90 | >55 | | 833.75.174 |
| | | | 3000 | 3.4 | 240 | 71 | >90 | >55 | | 833.75.175 |
| | | | 4000 | 3.4 | 250 | 74 | >90 | >55 | | 833.75.176 |
| | | | 5000 | 3.4 | 260 | 76 | >90 | >55 | | 833.75.177 |

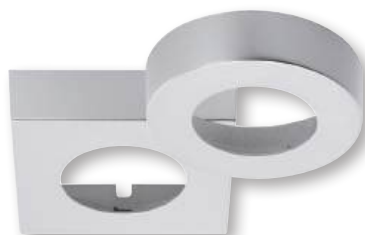


Recess mounted housing

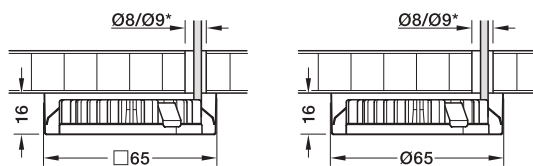


Recess mounting, square

Recess mounting, round



Surface mounted housing

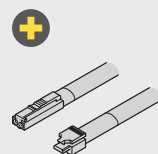


Surface mounting, square

Surface mounting, round

Housings are suitable for monochrome lights and for multi-white lights.

* valid for multi-white plugs.



> Lead, 1.5 A/24 AWG, with snap-in connector

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.789 |
| | 2000 | 833.95.788 |
| 5 24V | 2000 | 833.95.791 |



> Recess mounted housing

| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Plastic | | |
| Silver coloured | 833.72.126 | 833.72.127 |
| Black | 833.72.168 | 833.72.172 |
| Stainless steel coloured | 833.72.382 | 833.72.385 |
| Steel | | |
| Silver coloured | 833.72.500 | 833.72.506 |
| Black | 833.72.501 | 833.72.507 |
| Bright, chrome plated | 833.72.503 | 833.72.509 |



> Surface mounted housing

| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Plastic | | |
| Silver coloured | 833.72.124 | 833.72.125 |
| Black | 833.72.160 | 833.72.164 |
| Stainless steel coloured | 833.72.194 | 833.72.197 |
| Steel | | |
| Silver coloured | 833.72.512 | 833.72.518 |
| Black | 833.72.513 | 833.72.519 |
| Bright, chrome plated | 833.72.515 | 833.72.521 |



For overall housing product range, see page 66/67

Recess/surface mounted downlights

Modular multi-white, drill hole Ø: 58 mm

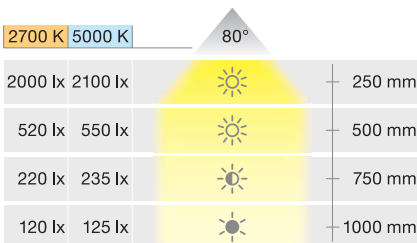


Häfele Loox5 LED 2091 / 3091



Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Aluminium
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Energy efficiency class: F
- > Degree of protection: IP45 as recess mounted light; IP20 as surface mounted downlight
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 58 mm
- > Supplied with: 1 light module



Note

The degree of protection IP45 is reduced to IP20 with surface mounting or recess mounting with through hole.

Order reference

Please order lead and housing separately.



Accessories are required for controlling multi-white lights. Please order separately, see chapter Networking, page 122.



5 12 V

Loox5 12 V driver see page 165

5 24 V

Loox5 24 V driver see page 166

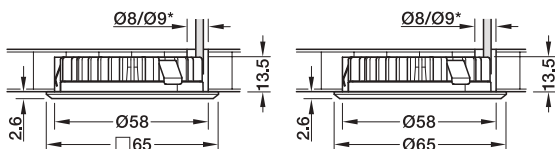


Häfele Loox5 LED 2091 / 3091

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Cat. No. |
|--------------|------------------------------|-------------------------|--------------|------------------------|--------------------------------|----------------------------|----------------|------------|
| | | | | | | R _a | R ₉ | |
| 5 12V | Häfele Loox5 LED 2091 | | | | | | | |
| | 12 | 2700 | 3.4 | 240 | 72 | >90 | >55 | 833.72.478 |
| | | 5000 | 3.4 | 270 | 80 | | | |
| 5 24V | Häfele Loox5 LED 3091 | | | | | | | |
| | 12 | 2700 | 3.4 | 240 | 72 | >90 | >55 | 833.75.178 |
| | | 5000 | 3.4 | 270 | 80 | | | |



Recess mounted housing

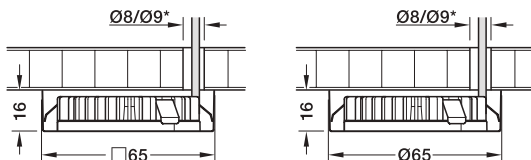


Recess mounting,
square

Recess mounting,
round



Surface mounted housing

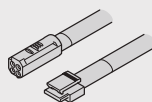


Surface mounting,
square

Surface mounting,
round

Housings are suitable for monochrome lights and for multi-white lights.

* valid for multi-white plugs.



> Lead 1.5 A /24 AWG, with snap-in connector, for multi-white lights

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 2000 | 833.95.787 |
| 5 24V | 2000 | 833.95.790 |



> Recess mounted housing

| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Plastic | | |
| Silver coloured | 833.72.126 | 833.72.127 |
| Black | 833.72.168 | 833.72.172 |
| Stainless steel coloured | 833.72.382 | 833.72.385 |
| Steel | | |
| Silver coloured | 833.72.500 | 833.72.506 |
| Black | 833.72.501 | 833.72.507 |
| Bright, chrome plated | 833.72.503 | 833.72.509 |



> Surface mounted housing

| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Plastic | | |
| Silver coloured | 833.72.124 | 833.72.125 |
| Black | 833.72.160 | 833.72.164 |
| Stainless steel coloured | 833.72.194 | 833.72.197 |
| Steel | | |
| Silver coloured | 833.72.512 | 833.72.518 |
| Black | 833.72.513 | 833.72.519 |
| Bright, chrome plated | 833.72.515 | 833.72.521 |



For overall housing product range, see page 66/67

Recess/surface mounted downlights

Housing steel

Recess mounted housing



Silver coloured



Black

White

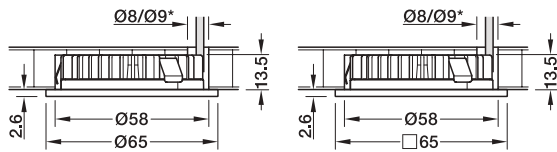
Chrome plated



Brass coloured

Copper plated

Nickel plated



* valid for multi-white plugs.

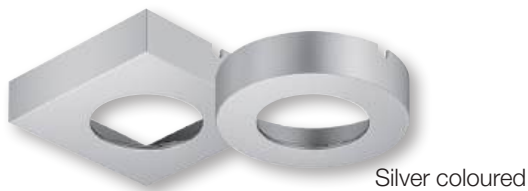
> High-quality metal housing

- > Material: Steel
- > Usable for: Loox5 light module with drill hole Ø 58 mm
- > Mounting: Drilling in and clamping



| Colour/finish | Round | Square |
|-----------------------|------------|------------|
| Silver coloured | 833.72.500 | 833.72.506 |
| Black | 833.72.501 | 833.72.507 |
| White | 833.72.502 | 833.72.508 |
| Bright, chrome plated | 833.72.503 | 833.72.509 |
| Brass coloured | 833.72.504 | 833.72.510 |
| Copper plated | 833.72.505 | 833.72.511 |
| Nickel plated | 833.72.524 | 833.72.525 |

Surface mounted housing



Silver coloured



Black

White

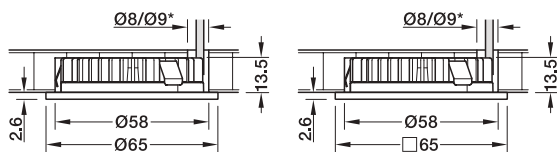
Chrome plated



Brass coloured

Copper plated

Nickel plated



* valid for multi-white plugs.

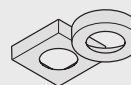
> High-quality metal housing

- > Material: Steel
- > Usable for: Loox5 light module with drill hole Ø 58 mm
- > Mounting: For screw fixing



Note

Degree of protection with surface mounted housing is IP20

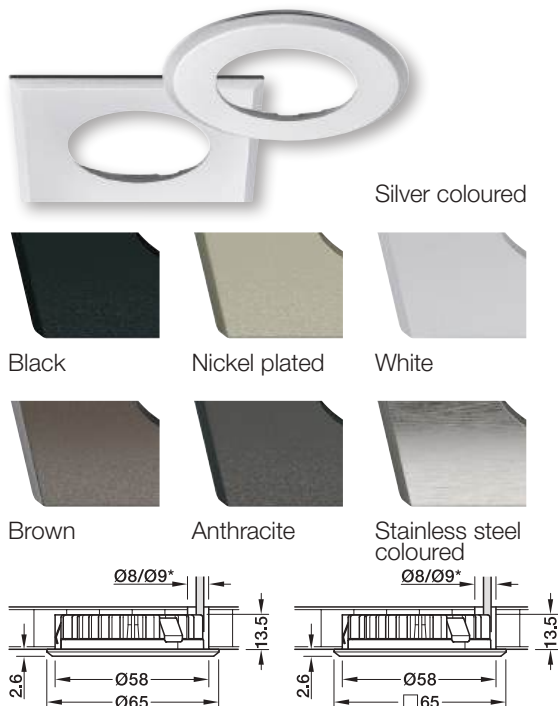


| Colour/finish | Round | Square |
|-----------------------|------------|------------|
| Silver coloured | 833.72.512 | 833.72.518 |
| Black | 833.72.513 | 833.72.519 |
| White | 833.72.514 | 833.72.520 |
| Bright, chrome plated | 833.72.515 | 833.72.521 |
| Brass coloured | 833.72.516 | 833.72.522 |
| Copper plated | 833.72.517 | 833.72.523 |
| Nickel plated | 833.72.526 | 833.72.527 |

Recess/surface mounted downlights

Housing plastic

Recess mounted housing



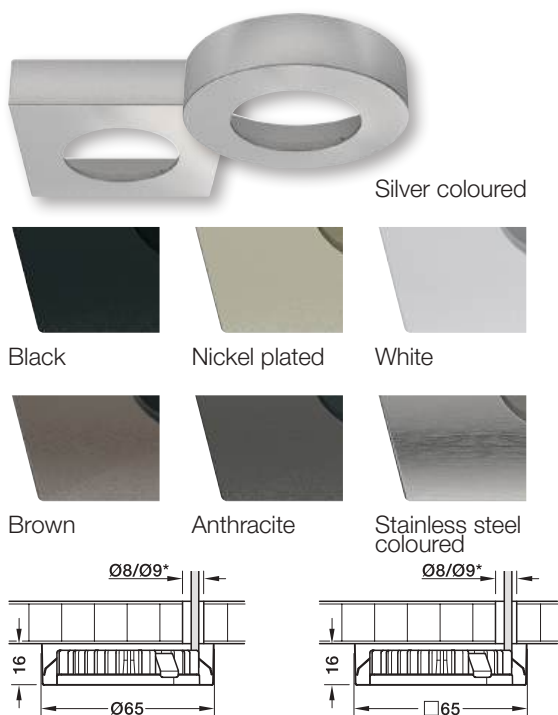
* valid for multi-white plugs on multi-white light module.

- > Material: Plastic
- > Usable for: Loox5 light module with drill hole Ø 58 mm
- > Mounting: Drilling in and clamping



| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Silver coloured | 833.72.126 | 833.72.127 |
| Black | 833.72.168 | 833.72.172 |
| Matt, nickel plated | 833.72.170 | 833.72.174 |
| White | 833.72.171 | 833.72.175 |
| Brown | 833.72.381 | 833.72.384 |
| Anthracite | 833.72.380 | 833.72.383 |
| Stainless steel coloured | 833.72.382 | 833.72.385 |

Surface mounted housing



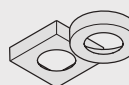
* valid for multi-white plugs on multi-white light module

- > Material: Plastic
- > Usable for: Loox5 light module with drill hole Ø 58 mm
- > Mounting: For screw fixing



Note

Degree of protection with surface mounted housing is IP20



| Colour/finish | Round | Square |
|--------------------------|------------|------------|
| Silver coloured | 833.72.124 | 833.72.125 |
| Black | 833.72.160 | 833.72.164 |
| Matt, nickel plated | 833.72.162 | 833.72.166 |
| White | 833.72.163 | 833.72.167 |
| Brown | 833.72.192 | 833.72.196 |
| Anthracite | 833.72.193 | 833.72.195 |
| Stainless steel coloured | 833.72.194 | 833.72.197 |

Recess/surface mounted downlights

Modular monochrome, drill hole Ø: 35 mm



Häfele Loox5 LED 2040 / LED 3008



Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Aluminium
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Energy efficiency class: G
- > Degree of protection: IP45 as recess mounted light; IP20 as surface mounted downlight
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 35 mm
- > Supplied with: 1 light module

| 2700 K | 3000 K | 4000 K | 5000 K | 80° | |
|--------|--------|--------|--------|-----|---------|
| 225 lx | 225 lx | 225 lx | 250 lx | | 250 mm |
| 81 lx | 81 lx | 81 lx | 90 lx | | 500 mm |
| 36 lx | 36 lx | 36 lx | 40 lx | | 750 mm |
| 20 lx | 20 lx | 20 lx | 23 lx | | 1000 mm |

LED 2040/3008

Note
The degree of protection IP45 is reduced to IP20 with surface mounting or recess mounting with through hole.

Order reference

Please order lead and housing separately.

5 12 V Loox5 12 V driver see page 165

5 24 V Loox5 24 V driver see page 166

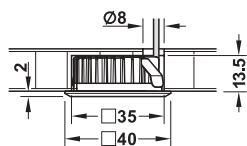


Häfele Loox5 LED 2040 / LED 3008

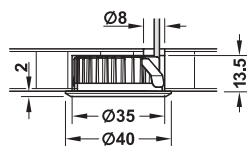
| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Cat. No. |
|--------------|------------------------------|-------------------------|--------------|---------------------|-----------------------------|----------------------------|----------------|------------|
| | | | | | | R _a | R ₉ | |
| 5 12V | Häfele Loox5 LED 2040 | | | | | | | |
| | 2 | 2700 | 1.5 | 115 | 76 | 90 | >55 | 833.72.560 |
| | | 3000 | 1.5 | 115 | 76 | 90 | >55 | 833.72.561 |
| | | 4000 | 1.5 | 115 | 76 | 90 | >55 | 833.72.562 |
| 5000 | | 1.5 | 125 | 83 | 90 | >55 | 833.72.563 | |
| 5 24V | Häfele Loox5 LED 3008 | | | | | | | |
| | 2 | 2700 | 1.5 | 115 | 76 | 90 | >55 | 833.75.560 |
| | | 3000 | 1.5 | 115 | 76 | 90 | >55 | 833.75.561 |
| | | 4000 | 1.5 | 115 | 76 | 90 | >55 | 833.75.562 |
| 5000 | | 1.5 | 125 | 83 | 90 | >55 | 833.75.563 | |



Recess mounted housing



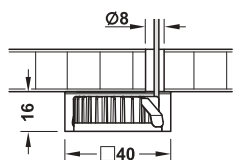
Recess mounting, square



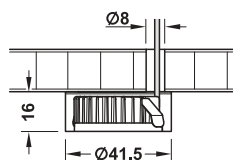
Recess mounting, round



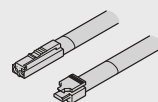
Surface mounted housing



Surface mounting, square



Surface mounting, round



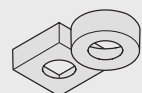
> Lead, 1.5 A/24 AWG, with snap-in connector

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.789 |
| | 2000 | 833.95.788 |
| 5 24V | 2000 | 833.95.791 |



> Housing for recess mounting, plastic

| Colour | Round | Square |
|--------------------|------------|------------|
| Black | 833.72.184 | 833.72.188 |
| Matt nickel plated | 833.72.186 | 833.72.190 |
| Silver coloured | 833.72.145 | 833.72.146 |
| White | 833.72.187 | 833.72.191 |



> Downlight housing, plastic

| Colour | Round | Square |
|--------------------|------------|------------|
| Black | 833.72.176 | 833.72.180 |
| Matt nickel plated | 833.72.178 | 833.72.182 |
| Silver coloured | 833.72.143 | 833.72.144 |
| White | 833.72.179 | 833.72.183 |

Recess/surface mounted downlights

Monochrome, drill hole Ø: 26 mm



Häfele Loox5 LED 2090/3090



Equipped with high-quality Samsung LEDs

> Narrow beam angle for staging objects

- > Dimmable: Yes
- > Material: Aluminium
- > Life time L80/B10: >50,000 h
- > Life time L70/B50: >80,000 h
- > Degree of protection: IP45 as recess mounted light; IP20 as surface mounted downlight
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 26 mm
- > Supplied with: 1 light module with 2 m lead

| 2700 K | 3000 K | 4000 K | 5000 K | 55° | |
|--------|--------|---------|---------|-----|---------|
| 930 lx | 990 lx | 1005 lx | 1005 lx | | 250 mm |
| 230 lx | 240 lx | 250 lx | 260 lx | | 500 mm |
| 95 lx | 100 lx | 110 lx | 115 lx | | 750 mm |
| 50 lx | 55 lx | 60 lx | 60 lx | | 1000 mm |

LED 2090

| 2700 K | 3000 K | 4000 K | 5000 K | 55° | |
|--------|--------|--------|--------|-----|---------|
| 825 lx | 870 lx | 935 lx | 940 lx | | 250 mm |
| 220 lx | 225 lx | 235 lx | 245 lx | | 500 mm |
| 95 lx | 95 lx | 100 lx | 105 lx | | 750 mm |
| 50 lx | 55 lx | 55 lx | 60 lx | | 1000 mm |

LED 3090



Note

The degree of protection IP45 is reduced to IP20 with surface mounting or recess mounting with through hole.

Order reference

Please order housing separately.



5 12 V

Loox5 12 V driver see page 165

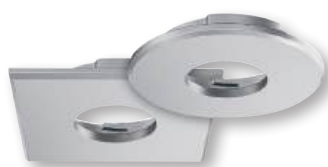
5 24 V

Loox5 24 V driver see page 166

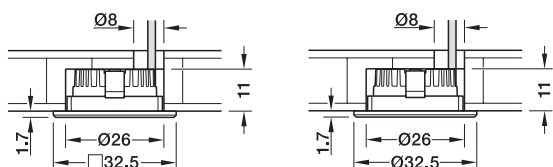


Häfele Loox5 LED 2090/3090

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Cat. No. |
|--------------|------------------------------|-------------------------|--------------|---------------------|-----------------------------|-------------------------------|----------------|-------------------------|------------|
| | | | | | | R _a | R ₉ | | |
| 5 12V | Häfele Loox5 LED 2090 | | | | | | | | |
| | 1 | 2700 | 1.2 | 80 | 67 | >90 | >60 | Class G | 833.72.470 |
| | | 3000 | 1.2 | 90 | 75 | >90 | >60 | Class G | 833.72.471 |
| | | 4000 | 1.2 | 95 | 79 | >90 | >60 | Class F | 833.72.472 |
| 5000 | | 1.2 | 100 | 83 | >90 | >60 | Class F | 833.72.473 | |
| 5 24V | Häfele Loox5 LED 3090 | | | | | | | | |
| | 1 | 2700 | 1.2 | 75 | 63 | >90 | >60 | Class G | 833.75.170 |
| | | 3000 | 1.2 | 80 | 67 | >90 | >60 | Class G | 833.75.171 |
| | | 4000 | 1.2 | 80 | 67 | >90 | >60 | Class G | 833.75.172 |
| 5000 | | 1.2 | 85 | 71 | >90 | >60 | Class G | 833.75.173 | |



Recess mounted housing

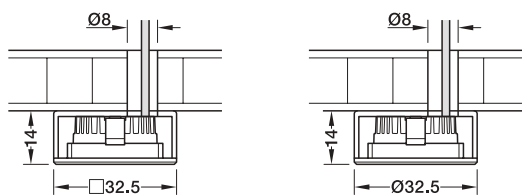


Recess mounting, square

Recess mounting, round



Surface mounted housing



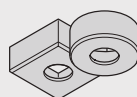
Surface mounting, square

Surface mounting, round



> Housing for recess mounting, plastic

| Colour | Round | Square |
|--------------------------|------------|------------|
| Black | 833.89.225 | 833.89.232 |
| Anthracite | 833.89.226 | 833.89.233 |
| Brown | 833.89.227 | 833.89.234 |
| Matt nickel plated | 833.89.223 | 833.89.230 |
| Stainless steel coloured | 833.89.228 | 833.89.235 |
| Silver coloured | 833.89.222 | 833.89.229 |
| White | 833.89.224 | 833.89.231 |



> Downlight housing, plastic

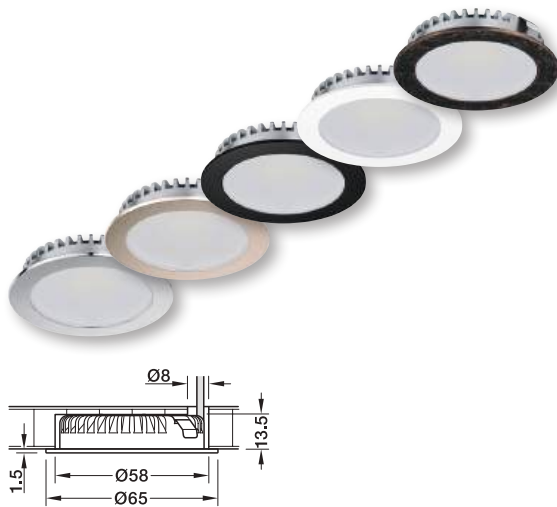
| Colour | Round | Square |
|--------------------------|------------|------------|
| Black | 833.89.239 | 833.89.246 |
| Anthracite | 833.89.240 | 833.89.247 |
| Brown | 833.89.241 | 833.89.248 |
| Matt nickel plated | 833.89.237 | 833.89.244 |
| Stainless steel coloured | 833.89.242 | 833.89.249 |
| Silver coloured | 833.89.236 | 833.89.243 |
| White | 833.89.238 | 833.89.245 |

Recess/surface mounted downlights

Monochrome, drill hole Ø: 58 mm



Häfele Loox5 LED 2094 / 3094



Equipped with high-quality Samsung LEDs

> Large light emission surface, homogeneous appearance

- > Dimmable: Yes
- > Area of application: For display cabinets, shelving systems and shelves
- > Housing material: Aluminium
- > Diffuser material: Plastic
- > Life time L80/B10: 30,000 h
- > Colour rendering index Ra: >90
- > Colour rendering index R9: >50
- > Energy efficiency class: G
- > Mounting: Drilling in and clamping
- > Drill hole Ø: 58 mm
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|--------|--------|------|---------|
| 800 lx | 930 lx | 940 lx | 965 lx | | 250 mm |
| 200 lx | 230 lx | 235 lx | 240 lx | | 500 mm |
| 90 lx | 100 lx | 105 lx | 110 lx | | 750 mm |
| 50 lx | 60 lx | 60 lx | 60 lx | | 1000 mm |

LED 2094

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|---------|---------|------|---------|
| 860 lx | 995 lx | 1000 lx | 1030 lx | | 250 mm |
| 215 lx | 250 lx | 250 lx | 260 lx | | 500 mm |
| 95 lx | 110 lx | 110 lx | 115 lx | | 750 mm |
| 54 lx | 60 lx | 60 lx | 65 lx | | 1000 mm |

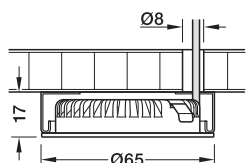
LED 3094

- 5 12 V** Loox5 12 V driver see page 165
- 5 24 V** Loox5 24 V driver see page 166



Häfele Loox5 LED 2094 / 3094

| Voltage V | Quantity LEDs | Colour tempera- ture K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Chrome coloured | Nickel plated | Black | White | Bronze coloured |
|--------------|------------------------------|---------------------------------|--------------|------------------------|--------------------------------|--------------------|------------------|------------|------------|--------------------|
| 5 12V | Häfele Loox5 LED 2094 | | | | | | | | | |
| | 4 | 2700 | 2.5 | 135 | 54 | 833.72.530 | 833.72.546 | 833.72.534 | 833.72.538 | 833.72.542 |
| | | 3000 | 2.5 | 150 | 60 | 833.72.531 | 833.72.547 | 833.72.535 | 833.72.539 | 833.72.543 |
| | | 4000 | 2.5 | 160 | 64 | 833.72.532 | 833.72.548 | 833.72.536 | 833.72.540 | 833.72.544 |
| | | 5000 | 2.5 | 165 | 66 | 833.72.533 | 833.72.549 | 833.72.537 | 833.72.541 | 833.72.545 |
| 5 24V | Häfele Loox5 LED 3094 | | | | | | | | | |
| | 4 | 2700 | 2.5 | 140 | 56 | 833.75.320 | 833.75.546 | 833.75.324 | 833.75.328 | 833.75.332 |
| | | 3000 | 2.5 | 160 | 64 | 833.75.321 | 833.75.547 | 833.75.325 | 833.75.329 | 833.75.333 |
| | | 4000 | 2.5 | 165 | 66 | 833.75.322 | 833.75.548 | 833.75.326 | 833.75.330 | 833.75.334 |
| | | 5000 | 2.5 | 175 | 70 | 833.75.323 | 833.75.549 | 833.75.327 | 833.75.331 | 833.75.335 |



Surface mounting

> Surface mounted housing, steel

| Colour | Cat. No. |
|-----------------|------------|
| Chrome coloured | 833.72.809 |
| Nickel plated | 833.72.528 |
| Black | 833.72.806 |
| White | 833.72.807 |
| Bronze coloured | 833.72.808 |

Recess/surface mounted downlights

Monochrome, drill hole Ø: 55 mm



Häfele Loox5 LED 2047/3038



- > Dimmable: Yes
- > Material: Steel
- > Life time L80/B10: 30,000 h
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 55 mm
- > Supplied with: 1 light with 2 m lead

| 3000 K | 4000 K | 5000 K | 120° | |
|--------|--------|--------|------|---------|
| 560 lx | 570 lx | 670 lx | | 250 mm |
| 210 lx | 215 lx | 245 lx | | 500 mm |
| 115 lx | 115 lx | 135 lx | | 750 mm |
| 75 lx | 75 lx | 90 lx | | 1000 mm |

LED 2047

| 3000 K | 4000 K | 5000 K | 120° | |
|--------|--------|--------|------|---------|
| 580 lx | 590 lx | 710 lx | | 250 mm |
| 220 lx | 220 lx | 265 lx | | 500 mm |
| 115 lx | 115 lx | 140 lx | | 750 mm |
| 75 lx | 75 lx | 100 lx | | 1000 mm |

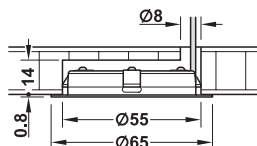
LED 3038

- Loox5 12 V driver see page 165
- Loox5 24 V driver see page 166

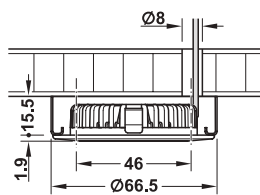


Häfele Loox5 LED 2047 / 3038

| Voltage | Number of LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficacy lm/W | Colour rendering index CRI R _a | Stainless steel coloured | Silver coloured | Polished chrome plated | Black | White | |
|---------|------------------------------|----------------------|-----------|------------------|------------------------|---|--------------------------|-----------------|------------------------|------------|------------|--|
| 5 12V | Häfele Loox5 LED 2047 | | | | | | | | | | | |
| | 24 | 3000 | 3 | 210 | 70 | 90 | 833.72.630 | 833.72.610 | 833.72.620 | 833.72.650 | 833.72.640 | |
| | | 4000 | 3 | 216 | 72 | 90 | 833.72.631 | 833.72.611 | 833.72.621 | 833.72.651 | 833.72.641 | |
| 5000 | | 3 | 240 | 80 | 83 | 833.72.632 | 833.72.612 | 833.72.622 | 833.72.652 | 833.72.642 | | |
| 5 24V | Häfele Loox5 LED 3038 | | | | | | | | | | | |
| | 24 | 3000 | 3 | 215 | 72 | 90 | 833.75.360 | 833.75.340 | 833.75.350 | - | - | |
| | | 4000 | 3 | 225 | 75 | 90 | 833.75.361 | 833.75.341 | 833.75.351 | - | - | |
| 5000 | | 3 | 245 | 82 | 83 | 833.75.362 | 833.75.342 | 833.75.352 | - | - | | |



Recess mounting



Surface mounting



> Surface mounted housing, steel

| Colour | Cat. No. |
|--------------------------|------------|
| Stainless steel coloured | 833.72.804 |
| Silver coloured | 833.72.803 |
| Polished chrome plated | 833.72.802 |
| Black | 833.72.801 |
| White | 833.72.805 |



Recess/surface mounted downlights

multi-white, drill hole Ø: 55 mm



Häfele Loox5 LED 2048/3039



- > Material: Steel
- > Energy efficiency class: G
- > Degree of protection: IP45
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 55 mm
- > Supplied with: 1 light with 2 m multi-white lead

| 2700 K | 5000 K | 120° | |
|--------|--------|------|---------|
| 290 lx | 345 lx | | 250 mm |
| 110 lx | 130 lx | | 500 mm |
| 60 lx | 70 lx | | 750 mm |
| 40 lx | 45 lx | | 1000 mm |

LED 2048

| 2700 K | 5000 K | 120° | |
|--------|--------|------|---------|
| 335 lx | 350 lx | | 250 mm |
| 125 lx | 130 lx | | 500 mm |
| 70 lx | 70 lx | | 750 mm |
| 45 lx | 45 lx | | 1000 mm |

LED 3039

- 5 12 V** Loox5 12 V driver see page 165
- 5 24 V** Loox5 24 V driver see page 166

Ordering instruction
Accessories are required for controlling multi-white lights. Please order separately, see chapter Networking, page 122.



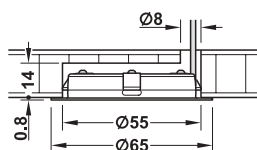
Häfele Loox5 LED 2048/3039

| Voltage V | Number of LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficacy lm/W | Colour rendering index CRI R _a | Stainless steel coloured | Silver coloured | Polished chrome plated |
|--------------|-----------------------------|-------------------------|--------------|---------------------|---------------------------|---|--------------------------|-----------------|------------------------|
| 5 12V | Häfele Loox LED 2048 | | | | | | | | |
| | 60 | 2700 | 3 | 255 | 85 | 90 | 833.72.403 | 833.72.402 | 833.72.401 |
| | | 5000 | 3 | 255 | 85 | 83 | | | |
| 5 24V | Häfele Loox LED 3039 | | | | | | | | |
| | 60 | 2700 | 3 | 258 | 85 | 90 | 833.75.163 | 833.75.162 | 833.75.161 |
| | | 5000 | 3 | 258 | 85 | 83 | | | |

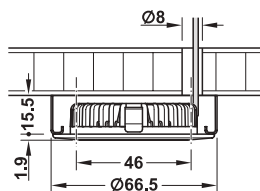


> Surface mounted housing

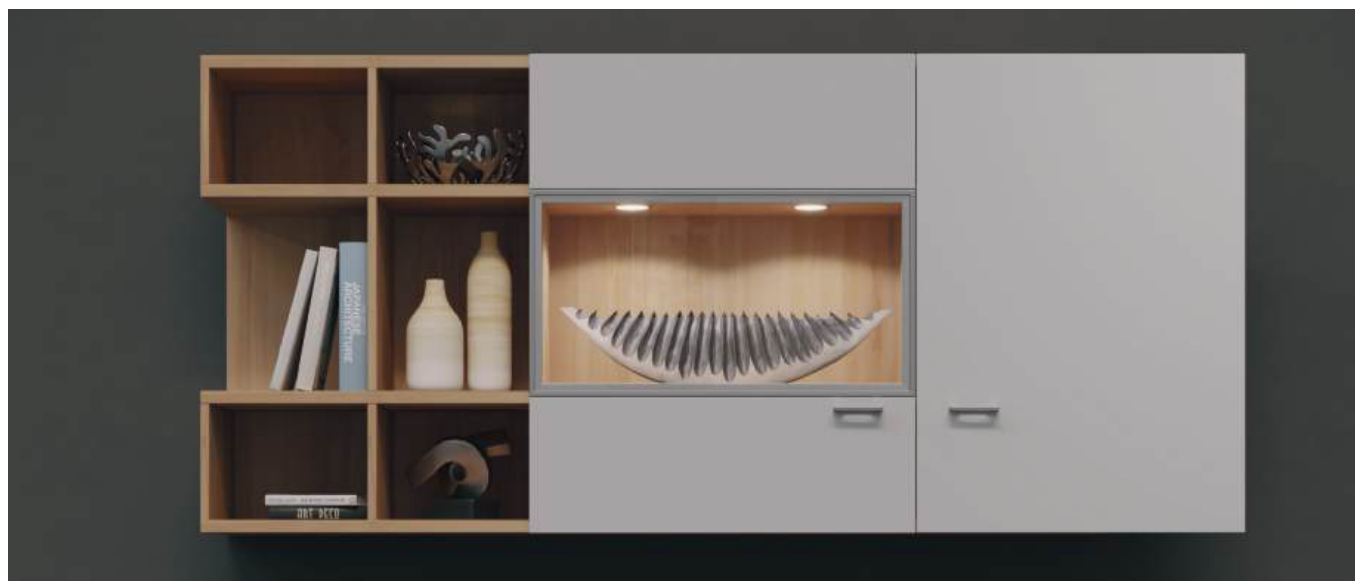
| Colour | Cat. No. |
|--------------------------|------------|
| Stainless steel coloured | 833.72.804 |
| Silver coloured | 833.72.803 |
| Polished chrome plated | 833.72.802 |



Recess mounting



Surface mounting



Recess/surface mounted downlights

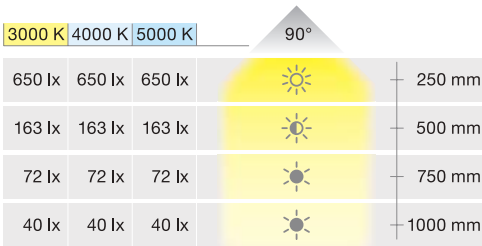
Monochrome, drill hole Ø: 26 mm



Häfele Loox5 LED 2022



- > Dimmable: Yes
- > Material: Aluminium
- > Energy efficiency class: G
- > Degree of protection: IP44 as recess mounted downlight; IP20 with downlight housing (surface mounted downlight)
- > Number of LEDs: 3
- > Mounting: For mounting in drilled hole, for clamp fixing or for screw fixing
- > Drill hole Ø: 26 mm
- > Supplied with: 1 light with 2 m lead



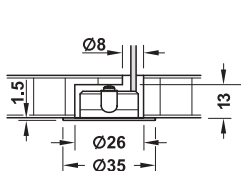
Loox5 12 V driver see page 165

The IP44 degree of protection is reduced to IP20 when surface mounted or recess mounting with through hole.

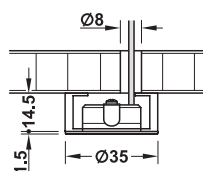
| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI R _a | Silver coloured anodized | Polished chrome plated |
|-----------|----------------------|-----------|------------------|--------------------------|---|--------------------------|------------------------|
| 5 12V | 3000 | 1.5 | 105 | 70 | 82 | 833.72.084 | 833.72.085 |
| | 4000 | 1.5 | 105 | 70 | 87 | 833.72.086 | 833.72.087 |
| | 5000 | 1.5 | 105 | 70 | 88 | 833.72.088 | 833.72.089 |



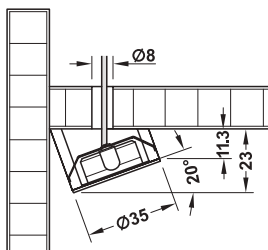
Häfele Loox5 LED 2022



Recess mounting



Surface mounting



> Downlight housing, round

| Colour | Cat. No. |
|--------------------------|------------|
| Silver coloured anodized | 833.72.831 |
| Chrome plated | 833.72.830 |



> Downlight housing, wedge-shaped

| Colour | Cat. No. |
|--------------------------|------------|
| Silver coloured anodized | 833.72.832 |
| Chrome plated | 833.72.833 |

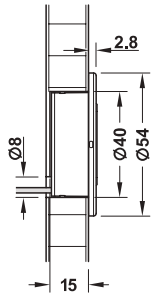


Recess mounted downlights

Monochrome, sensor-controlled, drill hole Ø: 40 mm



Häfele Loox5 LED 2028 with motion detector



- > Not dimmable
- > Material: Stainless steel, plastic
- > Version: With motion detector active from a decreasing ambient light of 15 lx
- > Degree of protection: IP44
- > Delay time: Approx. 2 min.
- > Sensor range: 0–3000 mm
- > Number of LEDs: 3
- > Mounting: For mounting in drilled hole
- > Drill hole Ø: 40 mm
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 2700 K | 120° | |
|--------|------|---------|
| 26 lx | | 250 mm |
| 7 lx | | 500 mm |
| 3 lx | | 750 mm |
| 1.6 lx | | 1000 mm |

Loox5 12 V driver see page 165

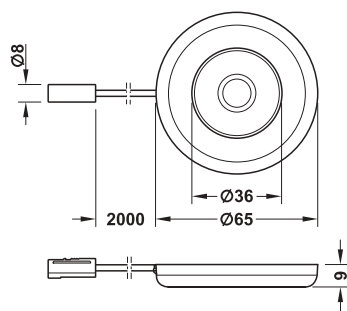
| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI R _a | Black | Matt |
|-----------|----------------------|-----------|------------------|--------------------------|---|------------|------------|
| 5 12V | 2700 | 0.3 | 4 | 13 | 90 | 833.73.154 | 833.73.153 |

Surface mounted downlights

Monochrome, Ø 65 mm



Häfele Loox5 LED 2027



- > Dimmable: Yes
- > Material: Aluminium, silver coloured, plastic
- > Diameter: 65 mm
- > Height: 9 mm
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Number of LEDs: 27
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 3000 K | 4000 K | 5000 K | 117° | |
|--------|--------|--------|------|---------|
| 867 lx | 884 lx | 918 lx | | 250 mm |
| 216 lx | 221 lx | 229 lx | | 500 mm |
| 96 lx | 98 lx | 102 lx | | 750 mm |
| 54 lx | 55 lx | 57 lx | | 1000 mm |

Loox5 12 V driver see page 165

| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI R _a | Cat. No. |
|-----------|----------------------|-----------|------------------|--------------------------|---|------------|
| 5 12V | 3000 | 2.6 | 190 | 73 | 85 | 833.72.550 |
| | 4000 | 2.6 | 208 | 80 | 85 | 833.72.053 |
| | 5000 | 2.6 | 218 | 84 | 85 | 833.72.054 |

LOOX 2027, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.



Surface mounted downlights

Monochrome, Ø 65 mm



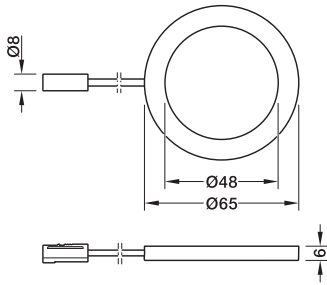
Häfele Loox5 LED 2050/3035



EXTRA SLIM

Equipped with high-quality Samsung LEDs

> Also suitable for short-time peaks due to integrated IC ideal for caravan applications, for example (16 V short-time peaks at 12 V and 26.4 V short-time peaks at 24 V)



- > Dimmable: Yes
- > Material: Plastic, silver coloured
- > Diameter: 65 mm
- > Height: 6 mm
- > Life time L80/B10: 30,000 h
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Mounting: For screw fixing or for glue fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|--------|--------|------|---------|
| 745 lx | 745 lx | 800 lx | 800 lx | | 250 mm |
| 210 lx | 210 lx | 225 lx | 225 lx | | 500 mm |
| 100 lx | 100 lx | 105 lx | 105 lx | | 750 mm |
| 55 lx | 55 lx | 60 lx | 60 lx | | 1000 mm |

LED 2050

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|--------|--------|------|---------|
| 715 lx | 715 lx | 765 lx | 765 lx | | 250 mm |
| 200 lx | 200 lx | 215 lx | 215 lx | | 500 mm |
| 100 lx | 100 lx | 105 lx | 105 lx | | 750 mm |
| 55 lx | 55 lx | 60 lx | 60 lx | | 1000 mm |

LED 3035

- 5 12 V** Loox5 12 V driver see page 165
- 5 24 V** Loox5 24 V driver see page 166



Häfele Loox5 LED 2050/3035

| Voltage V | Quantity LEDs | Colour tempera- ture K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Silver coloured |
|--------------|------------------------------|------------------------------|--------------|------------------------|--------------------------------|-------------------------------|----------------|--------------------|
| | | | | | | R _a | R ₉ | |
| 5 12V | Häfele Loox5 LED 2050 | | | | | | | |
| | 9 | 2700 | 2.5 | 140 | 56 | >90 | >50 | 833.74.230 |
| | | 3000 | 2.5 | 140 | 56 | >90 | >50 | 833.74.231 |
| | | 4000 | 2.5 | 150 | 60 | >90 | >50 | 833.74.232 |
| | | 5000 | 2.5 | 150 | 60 | >90 | >50 | 833.74.233 |
| 5 24V | Häfele Loox LED 3035 | | | | | | | |
| | 7 | 2700 | 2.5 | 140 | 56 | >90 | >50 | 833.77.250 |
| | | 3000 | 2.5 | 140 | 56 | >90 | >50 | 833.77.251 |
| | | 4000 | 2.5 | 150 | 60 | >90 | >50 | 833.77.252 |
| | | 5000 | 2.5 | 150 | 60 | >90 | >50 | 833.77.253 |

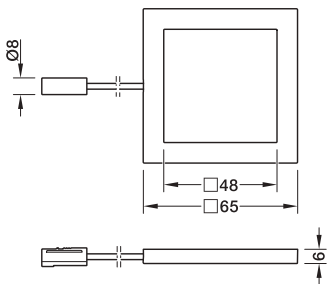


Surface mounted downlights

Monochrome, 65 x 65 mm



Häfele Loox5 LED 2051 / 3036



Equipped with high-quality Samsung LEDs

> Also suitable for short-time peaks due to integrated IC (ideal for caravan applications, for example) (16 V short-time peaks at 12 V and 26.4 V short-time peaks at 24 V)

- > Dimmable: Yes
- > Material: Plastic, silver coloured
- > Dim. (L x W): 65 x 65 mm
- > Height: 6 mm
- > Life time L80/B10: 30,000 h
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Mounting: For screw fixing or for glue fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|--------|--------|------|---------|
| 710 lx | 735 lx | 785 lx | 785 lx | | 250 mm |
| 200 lx | 210 lx | 225 lx | 225 lx | | 500 mm |
| 95 lx | 100 lx | 105 lx | 105 lx | | 750 mm |
| 55 lx | 55 lx | 60 lx | 60 lx | | 1000 mm |

LED 2051

| 2700 K | 3000 K | 4000 K | 5000 K | 105° | |
|--------|--------|--------|--------|------|---------|
| 795 lx | 825 lx | 880 lx | 880 lx | | 250 mm |
| 216 lx | 225 lx | 240 lx | 240 lx | | 500 mm |
| 95 lx | 100 lx | 105 lx | 105 lx | | 750 mm |
| 55 lx | 55 lx | 60 lx | 60 lx | | 1000 mm |

LED 3036

5 12 V Loox5 12 V driver see page 165

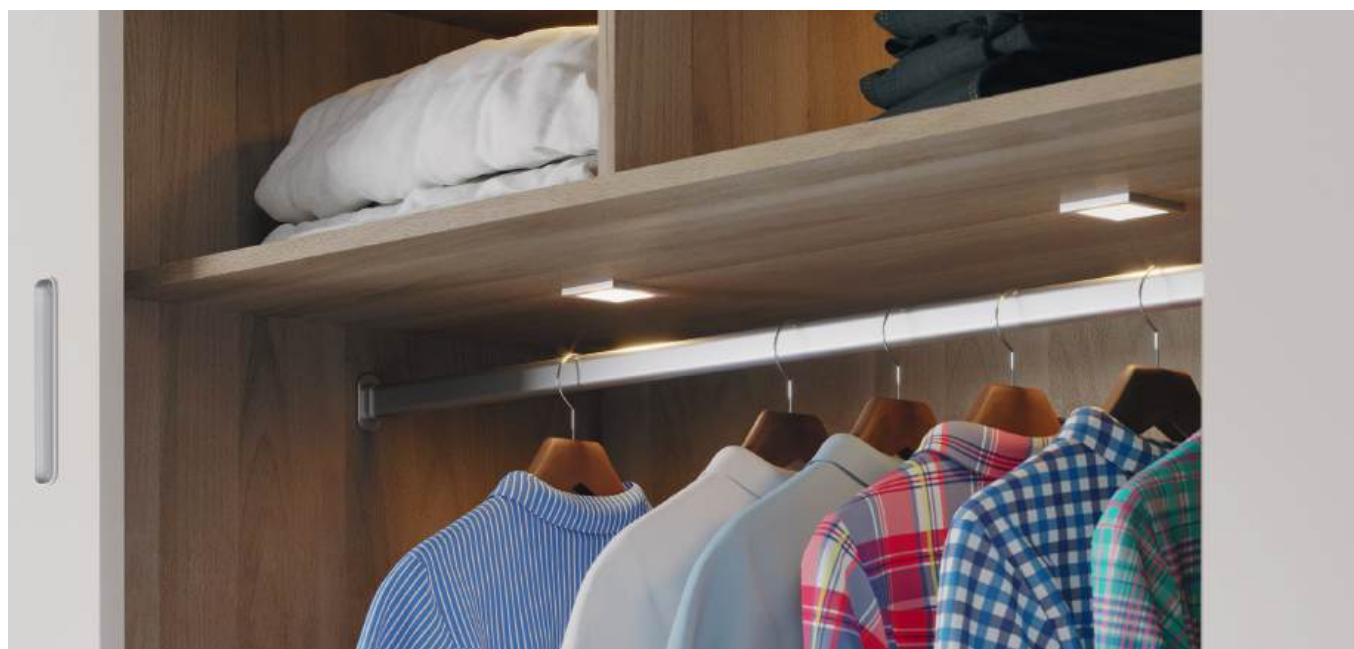
5 24 V Loox5 24 V driver see page 166

Also available as RGB light (12 V or 24 V, see page 88)



Häfele Loox5 LED 2051 / 3036

| Voltage V | Quantity LEDs | Colour tempera- ture K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Silver coloured |
|--------------|------------------------------|------------------------------|--------------|------------------------|--------------------------------|-------------------------------|----------------|--------------------|
| | | | | | | R _a | R ₉ | |
| 5 12V | Häfele Loox5 LED 2051 | | | | | | | |
| | 9 | 2700 | 2.5 | 140 | 56 | >90 | >50 | 833.74.240 |
| | | 3000 | 2.5 | 145 | 58 | >90 | >50 | 833.74.241 |
| | | 4000 | 2.5 | 155 | 62 | >90 | >50 | 833.74.242 |
| | | 5000 | 2.5 | 155 | 62 | >90 | >50 | 833.74.243 |
| 5 24V | Häfele Loox LED 3036 | | | | | | | |
| | 7 | 2700 | 2.5 | 140 | 56 | >90 | >50 | 833.77.260 |
| | | 3000 | 2.5 | 145 | 58 | >90 | >50 | 833.77.261 |
| | | 4000 | 2.5 | 155 | 62 | >90 | >50 | 833.77.262 |
| | | 5000 | 2.5 | 155 | 62 | >90 | >50 | 833.77.263 |



Surface mounted downlights

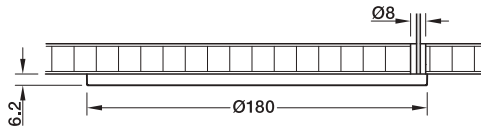
Monochrome, Ø 180 mm



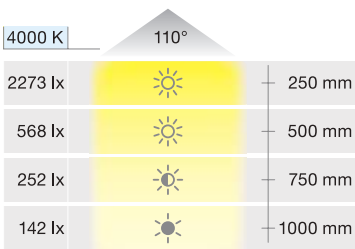
Häfele Loox5 LED 3023



EXTRA SLIM



- > Dimmable: Yes
- > Material: Plastic, silver coloured
- > Height: 6.2 mm
- > Energy efficiency class: G
- > Degree of protection: IP20
- > Number of LEDs: 77
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials



Loox5 24 V driver see page 166

| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI R _a | Cat. No. |
|--------------|-------------------------|--------------|---------------------|-----------------------------|---|------------|
| 5 24 V | 4000 | 4.8 | 408 | 85 | 82 | 833.77.119 |

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Surface mounted downlights

Monochrome, 205 x 205 mm



ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



DISTRIBUTING



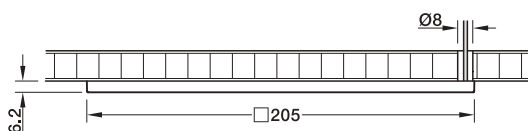
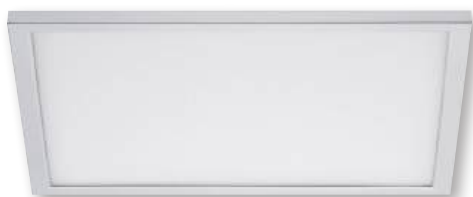
SUPPLYING



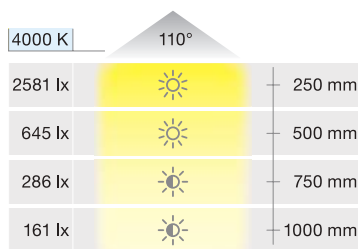
Häfele Loox5 LED 3025



EXTRA SLIM



- > Dimmable: Yes
- > Material: Plastic, silver coloured
- > Length x width: 205 x 205 mm
- > Height: 6.2 mm
- > Energy efficiency class: F
- > Degree of protection: IP20
- > Number of LEDs: 70
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials



Loox5 24 V driver see page 166

| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI R _a | Cat. No. |
|-----------|----------------------|-----------|------------------|--------------------------|---|------------|
| 5 24 V | 4000 | 5.8 | 530 | 91 | 82 | 833.77.118 |

LOOX:2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Surface mounted downlights

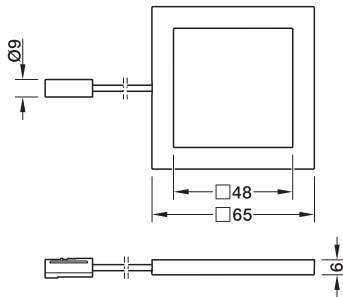
RGB, 65 x 65 mm



Häfele Loox5 LED 2081 / 3081



EXTRA SLIM



- > Material: Plastic
- > Length x width: 65 x 65 mm
- > Height: 6 mm
- > Degree of protection: IP20
- > Refraction angle: 115°
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

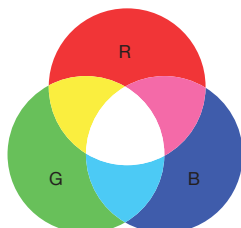
- 5 12 V** Loox5 12 V driver see page 165
- 5 24 V** Loox5 24 V driver see page 166

Ordering instruction
 Accessories are required for controlling RGB lights.
 Please order separately, see chapter Networking, page 122.



Häfele Loox5 LED 2081 / 3081

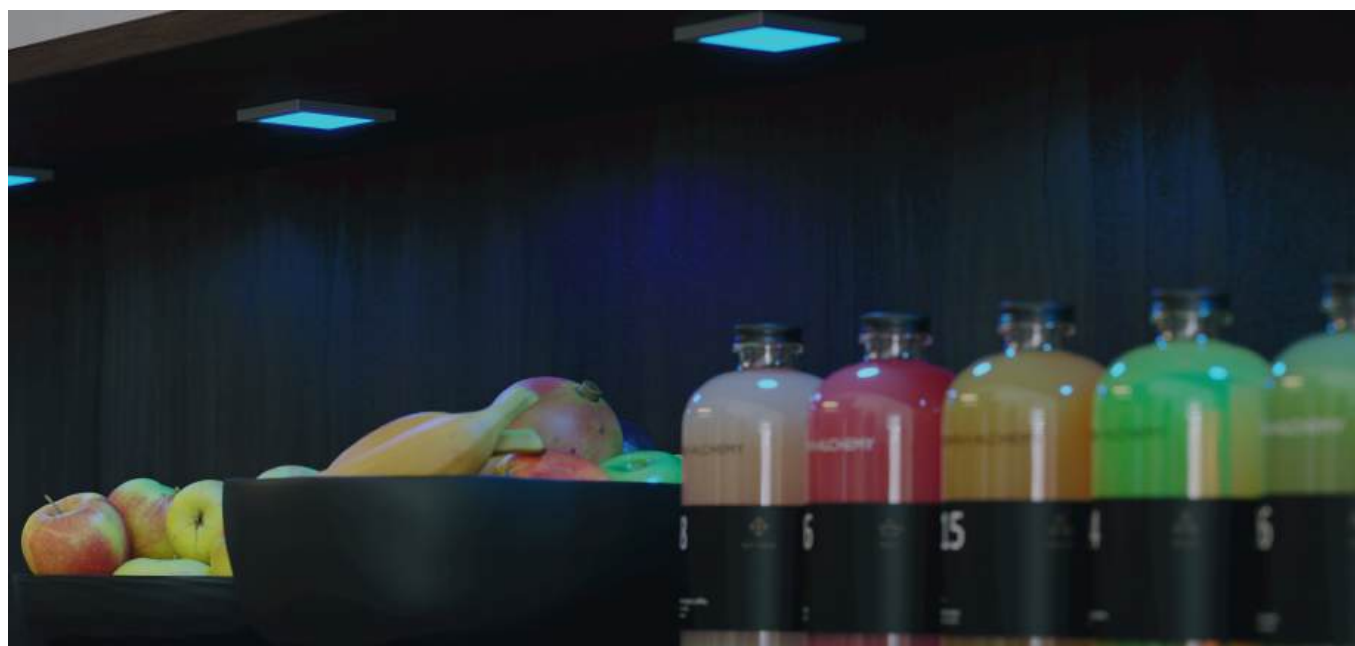
Colour mixing



RGB lights

- > mix any combination of intensive light colours
- > creative decorative effects
- > create an invigorating or relaxing atmosphere

| Voltage V | Number of LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Cat. No. |
|-----------|------------------------------|----------------------|-----------|------------------|--------------------------|------------|
| 5 12V | Häfele Loox5 LED 2081 | | | | | |
| | 6 | RGB | 0.7 | 20 | 29 | 833.74.127 |
| 5 24V | Häfele Loox5 LED 3081 | | | | | |
| | 6 | RGB | 0.7 | 20 | 29 | 833.77.230 |

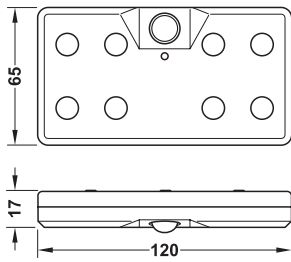


Surface mounted downlights


Battery-operated light, monochrome, 120 x 65 mm

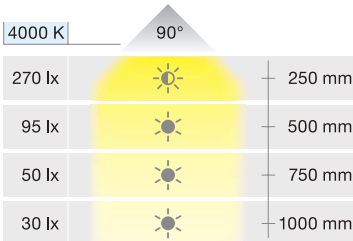


Häfele Loox LED 9004



- > Version: With motion detector with built-in rechargeable lithium-ion battery
- > Material: Plastic, silver coloured
- > Length x width: 120 x 65 mm
- > Height: 17 mm
- > Degree of protection: IP20
- > Number of LEDs: 8
- > Sensor range: 0–2000 mm
- > Sensor angle: 120°
- > Delay time: 30 sec.
- > Operating time: 8 h
- > Charging time: 3 h
- > Two operating modes: Motion: permanently active motion detector
Auto: motion detector active with residual brightness of <5 lx
- > Mounting: Mounting plate for screw fixing; light for sliding on
- > Supplied with: 1 light with mounting plate for screw fixing and 0.8 m micro-USB cable

 The light can be recharged using the supplied micro-USB cable



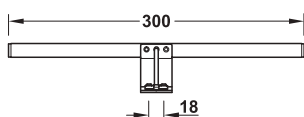
| Colour temperature | Wattage | Luminous flux | Luminous efficacy | Colour rendering index | Cat. No. |
|--------------------|---------|---------------|-------------------|------------------------|------------|
| K | W | lm | lm/W | CRI R _a | |
| 4000 | 0.8 | 55 | 69 | >90 | 833.87.021 |

Surface mounted lights

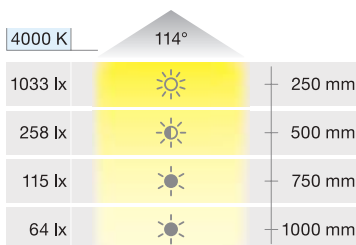
Monochrome, length 300 mm



Häfele Loox LED 2032



- > Dimmable: Yes
- > Material: Aluminium
- > Length x width: 300 x 180 mm
- > Height: 50 mm
- > Energy efficiency class: G
- > Degree of protection: IP44
- > Number of LEDs: 27
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials



Loox5 12 V driver see page 165
Please order 6-piece adapter set 833.95.753 separately.

| Voltage V | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficacy lm/W | Colour rendering index CRI R _a | Finish/colour | Cat. No. |
|-----------|----------------------|-----------|------------------|------------------------|---|-----------------|------------|
| 12 V | 4000 | 3 | 200 | 67 | 84 | Silver coloured | 833.74.070 |
| | 4000 | 3 | 200 | 67 | 84 | Chrome plated | 833.74.080 |

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

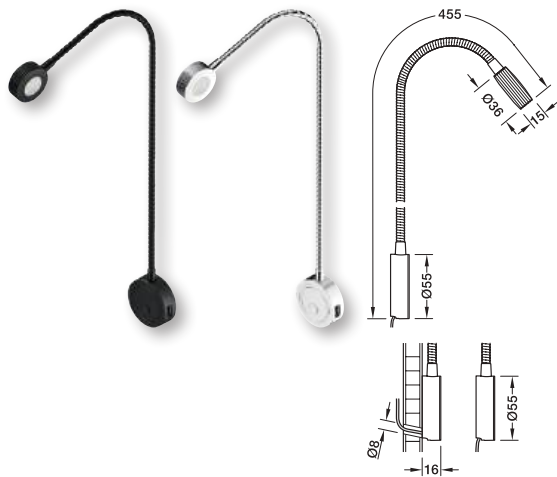


Surface mounted lights

Modular, monochrome, flexible



Häfele Loox5 LED 2034 / 3034



Equipped with high-quality Samsung LEDs

Ideal for projects

- > outstanding ease of movement and load bearing capacity for projects with a USB-A charging station 2.5 A
- > integrated push switch for 2 brightness levels
- > identical colour temperature to Loox5 LED strip lights
- > not dimmable via external switches

- > Version: Integrated USB-A charging station 5 V/2.5 A, integrated push switch for 2 brightness levels, with magnetic cover for base
- > Housing material: Aluminium
- > Flexible arm material: Aluminium
- > Energy efficiency class: G
- > Life time L80/B10: 30,000 h
- > Flexible arm dim. (Ø x L): 36 x 363 mm
- > Mounting: For screw fixing
- > Supplied with: 1 light with fixing material

Illuminance -10 % with black version

| 3000 K | 95° | |
|--------|-----|---------|
| 845 lx | | 250 mm |
| 220 lx | | 500 mm |
| 100 lx | | 750 mm |
| 60 lx | | 1000 mm |

LED 2034

| 3000 K | 95° | |
|--------|-----|---------|
| 870 lx | | 250 mm |
| 230 lx | | 500 mm |
| 105 lx | | 750 mm |
| 60 lx | | 1000 mm |

LED 3034

! Installation reference
When using a 6-way distributor with switching function or Häfele Connect Mesh, please always connect this light with integrated switch to the 7th connect output (continuous current) of the 6-way distributor

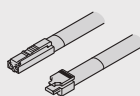
Note
Power requirement including USB: 19 W, 20 W driver per light for optimum operation of the USB charging station.
The modular lead makes assembly and disassembly easier.

- Loox5 12 V driver see page 165
- Loox5 24 V driver see page 166



Häfele Loox5 LED 2034 / 3034

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index | | Black | Chrome plated |
|--------------|------------------------------|-------------------------|--------------|---------------------|-----------------------------|------------------------|----------------|------------|---------------|
| | | | | | | CRI R _a | R ₉ | | |
| 5 12V | Häfele Loox5 LED 2034 | | | | | | | | |
| | 3 | 3000 | 1.4 | 120 | 86 | >90 | >50 | 833.74.088 | 833.74.089 |
| 5 24V | Häfele Loox5 LED 3034 | | | | | | | | |
| | 2 | 3000 | 1.5 | 120 | 80 | >90 | >50 | 833.75.088 | 833.75.089 |

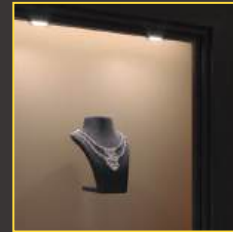


> Lead, modular 5A/18AWG

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.831 |
| | 2000 | 833.95.830 |
| 5 24V | 1000 | 833.95.836 |
| | 2000 | 833.95.835 |

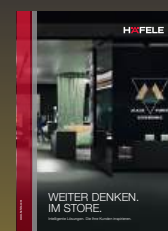


In stores, it is about perfect presentation of the goods. Illumination plays an important role here. Correctly arranged light has an impact on sales promotion. The concept must work in daylight and also under artificial light. From mixed light at the shop window to the furthest corner at the back. The challenge of the lighting concept is to make the store appear as a unit.



Usage purposes for light in store fixtures.

- > emphasising the objects
- > zoning the sales room
- > emotionalising the action areas



More on the subject of shopfitting can be found in our current brochure "Thinking ahead in the store"

Only the right light sells well.



The success of a product presentation mainly depends on the lighting. Our experts will be in touch with you when it comes to designing lighting in store fixtures.

These factors determine the quality of lighting in store fixtures

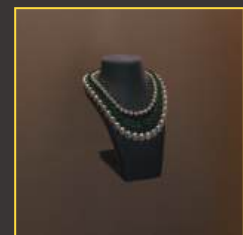
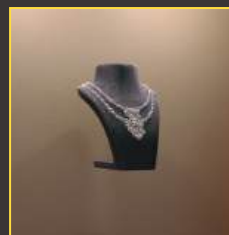
Functionality what effect does light have for the presentation of goods?

Focus on what refraction angle do the lights have?

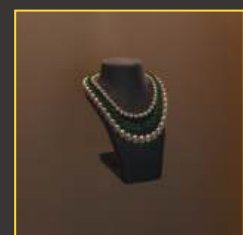
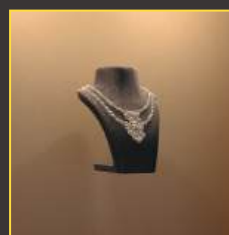
Sustainability what is the life time of the lights when they are used in permanent operation?

Design how do the lights integrate into the overall design?

Quality which colour rendering (CRI factor) is provided by the lights which are used?



The higher the quality of the LEDs, the more natural the colour rendering.



Spotlights

Monochrome, surface mounted light



Häfele Loox5 LED 3095



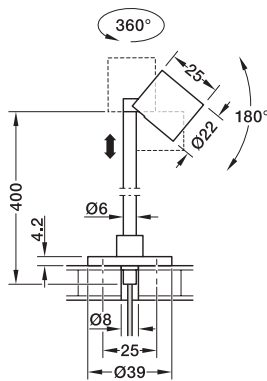
Equipped with high-quality Samsung LEDs

- > durable optical and mechanical components
- > narrow refraction angle for clear accentuation

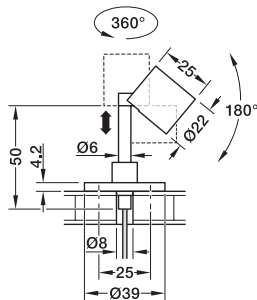
- > Dimmable: Yes
- > Area of application: Focused presentation light for objects in shops or museums
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Swivelling range, x-axis: 360°
- > Swivelling range, y-axis: 180°
- > Mounting: For recess mounting and screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials



Height 400 mm



Height 50 mm



| 3000 K | 4000 K | 5000 K | 25° | |
|---------|---------|---------|-----|---------|
| 1715 lx | 1825 lx | 1830 lx | | 250 mm |
| 615 lx | 660 lx | 660 lx | | 500 mm |
| 275 lx | 290 lx | 290 lx | | 750 mm |
| 155 lx | 160 lx | 165 lx | | 1000 mm |



Häfele Loox5 LED 3095

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Matt black | Silver coloured | | |
|--------------|------------------|-------------------------|--------------|---------------------|-----------------------------|----------------------------|----------------|-------------------------|------------|-----------------|------------|------------|
| | | | | | | R _a | R ₉ | | | | | |
| 5 24 V | Height: 400 mm | | | | | | | | | | | |
| | 1 | 3000 | 1.4 | 108 | 77 | 90 | >70 | A A A G | G | 833.77.300 | 833.77.305 | |
| | | 4000 | 1.4 | 118 | 84 | 90 | >70 | | | F | 833.77.301 | 833.77.306 |
| | | 5000 | 1.4 | 125 | 89 | 90 | >70 | | | F | 833.77.302 | 833.77.307 |
| 5 24 V | Height: 50 mm | | | | | | | | | | | |
| | 1 | 3000 | 1.4 | 108 | 77 | 90 | >70 | A A A G | G | 833.77.310 | 833.77.315 | |
| | | 4000 | 1.4 | 118 | 84 | 90 | >70 | | | F | 833.77.311 | 833.77.316 |
| | | 5000 | 1.4 | 125 | 89 | 90 | >70 | | | F | 833.77.312 | 833.77.317 |



Note

The 400 mm version and the 50 mm version are height adjustable.



5 24 V

Loox5 24 V driver see page 166

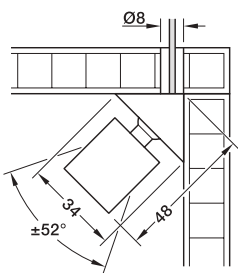


Spotlights

Monochrome, surface mounted downlight Ø 22 mm for corner mounting



Häfele Loox5 LED 3096



| 3000 K | 4000 K | 5000 K | 25° | |
|---------|---------|---------|-----|---------|
| 1715 lx | 1825 lx | 1830 lx | | 250 mm |
| 615 lx | 660 lx | 660 lx | | 500 mm |
| 275 lx | 290 lx | 290 lx | | 750 mm |
| 155 lx | 160 lx | 165 lx | | 1000 mm |

Equipped with high-quality Samsung LEDs

- > durable optical and mechanical components
- > narrow refraction angle for clear accentuation

- > Dimmable: Yes
- > Area of application: Focused presentation light for objects in shops or museums
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Swivelling range, x-axis: 55°
- > Swivelling range, y-axis: 55°
- > Mounting: For glue fixing, for screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

Loox5 24 V driver see page 166

| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Matt black | Silver coloured |
|--------------|------------------|-------------------------|--------------|---------------------|-----------------------------|----------------------------|----------------|-------------------------|------------|-----------------|
| | | | | | | R _a | R ₉ | | | |
| 5 24 V | 1 | 3000 | 1.4 | 108 | 77 | 90 | >70 | | 833.77.320 | 833.77.325 |
| | | 4000 | 1.4 | 118 | 84 | 90 | >70 | | 833.77.321 | 833.77.326 |
| | | 5000 | 1.4 | 125 | 89 | 90 | >70 | | 833.77.322 | 833.77.327 |

Spotlights

Monochrome, recess mounted light, drill hole Ø: 35 mm

ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



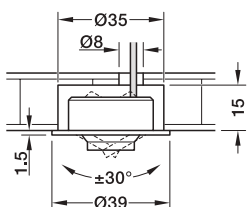
DISTRIBUTING



SUPPLYING



Häfele Loox5 LED 3097



Equipped with high-quality Samsung LEDs

- > durable optical and mechanical components
- > narrow refraction angle for clear accentuation

- > Dimmable: Yes
- > Area of application: Focused presentation light for objects in shops or museums
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Features: Swivelling
- > Swivelling range, z-axis: 60°
- > Mounting: Drilling in and clamping
- > Drill hole Ø: 35 mm
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 3000 K | 4000 K | 5000 K | 25° | |
|---------|---------|---------|-----|---------|
| 1715 lx | 1825 lx | 1830 lx | | 250 mm |
| 615 lx | 660 lx | 660 lx | | 500 mm |
| 275 lx | 290 lx | 290 lx | | 750 mm |
| 155 lx | 160 lx | 165 lx | | 1000 mm |

5 24 V Loox5 24 V driver see page 166

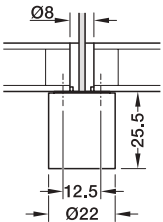
| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Matt black | Silver coloured |
|--------------|------------------|-------------------------|--------------|---------------------|-----------------------------|----------------------------|----------------|-------------------------|------------|-----------------|
| | | | | | | R _a | R ₉ | | | |
| 5 24 V | 1 | 3000 | 1.4 | 108 | 77 | 90 | >70 | | 833.77.330 | 833.77.335 |
| | | 4000 | 1.4 | 118 | 84 | 90 | >70 | | 833.77.331 | 833.77.336 |
| | | 5000 | 1.4 | 125 | 89 | 90 | >70 | | 833.77.332 | 833.77.337 |

Spotlights

Monochrome, surface mounted downlight, Ø 22 mm



Häfele Loox5 LED 3098



Equipped with high-quality Samsung LEDs

- > durable optical and mechanical components
- > narrow refraction angle for clear accentuation

- > Dimmable: Yes
- > Area of application: Focused presentation light for objects in shops or museums
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Diameter: 22 mm
- > Height: 26 mm
- > Mounting: For screw fixing
- > Supplied with: 1 light with 2 m lead, including fixing materials

| 3000 K | 4000 K | 5000 K | 25° | |
|---------|---------|---------|-----|---------|
| 1715 lx | 1825 lx | 1830 lx | | 250 mm |
| 615 lx | 660 lx | 660 lx | | 500 mm |
| 275 lx | 290 lx | 290 lx | | 750 mm |
| 155 lx | 160 lx | 165 lx | | 1000 mm |

5 24 V Loox5 24 V driver see page 166

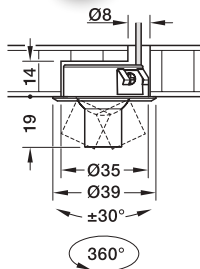
| Voltage V | Quantity LEDs | Colour temperature K | Wattage W | Luminous flux lm | Luminous efficiency lm/W | Colour rendering index CRI | | Energy efficiency class | Matt black | Silver coloured |
|--------------|------------------|-------------------------|--------------|---------------------|-----------------------------|----------------------------|----------------|-------------------------|------------|-----------------|
| | | | | | | R _a | R ₉ | | | |
| 5 24 V | 1 | 3000 | 1.4 | 108 | 77 | 90 | >70 | | 833.77.340 | 833.77.345 |
| | | 4000 | 1.4 | 118 | 84 | 90 | >70 | | 833.77.341 | 833.77.346 |
| | | 5000 | 1.4 | 125 | 89 | 90 | >70 | | 833.77.342 | 833.77.347 |

Spotlights

Monochrome, recess mounted light, drill hole Ø: 35 mm



Häfele Loox5 LED 2093



Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Area of application: Accentuation of objects in display cabinets, shelves and shelving systems
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Features: Rotates through 360°
- > Swivelling range x-axis: 60°
- > Swivelling range y-axis: 60°
- > Dimensions (Ø x H): 39 x 19 mm
- > Colour rendering index Ra: >90
- > Colour rendering index R9: >50
- > Mounting: Drilling in and clamping
- > Drill hole Ø: 35 mm
- > Supplied with: 1 light with 2 m lead

| 2700 K | 3000 K | 4000 K | 5000 K | 40° |
|---------|---------|---------|---------|---------|
| 5400 lx | 5500 lx | 5710 lx | 5940 lx | 250 mm |
| 1210 lx | 1275 lx | 1330 lx | 1340 lx | 500 mm |
| 530 lx | 560 lx | 580 lx | 590 lx | 750 mm |
| 285 lx | 300 lx | 320 lx | 320 lx | 1000 mm |

5 12V Loox5 12 V driver see page 165

| Voltage V | Colour temperature K | Luminous flux lm | Wattage W | Luminous efficiency lm/W | Energy efficiency class | Silver coloured | Black |
|-----------|----------------------|------------------|-----------|--------------------------|-------------------------|-----------------|------------|
| 5 12V | 2700 | 70 | 1.0 | 70 | A G | 833.72.055 | - |
| | 3000 | 75 | 1.0 | 75 | A G | 833.72.056 | - |
| | 4000 | 78 | 1.0 | 78 | A F | 833.72.057 | - |
| | 5000 | 80 | 1.0 | 80 | A F | 833.72.058 | - |
| | 2700 | 50 | 1.0 | 50 | -* | - | 833.72.075 |
| | 3000 | 53 | 1.0 | 53 | -* | - | 833.72.076 |
| | 4000 | 56 | 1.0 | 56 | -* | - | 833.72.077 |
| | 5000 | 60 | 1.0 | 60 | A G | - | 833.72.078 |

* Regulation (EU) 2019/2015 does not provide an energy efficiency classification for bulbs with a luminous flux of less than 60 Lumen.



Häfele and Nimbus have made it their own philosophy to develop high-quality and integrated lighting solutions. It is very important for us that your lighting installations provide perfect, harmonious and homely room lighting and be in harmony with the surrounding furnishings and architecture.

Our goal is to collaborate with you in creating situations in which people feel comfortable.

Light should therefore become a pleasant companion which can be easily adapted to a wide range of requirements.

Turn light into an experience.



What turns light into an experience?

- > The lighting solution is an interaction of furniture and room lighting.
- > Every light divides rooms into zones, and emphasises elements in the room.
- > The light that is used is glare-free.
- > The brightness (dimnable) and light colour (from warm white to cool white) of all lights can be individually adjusted.
- > Your lighting is adapted to different usage situations at the customer's premises.
- > The entire installation is structured into useful groups and scenes.
- > The entire control is individualised on the customer.



Extending

ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

DISTRIBUTING

SUPPLYING

Charging stations

ESC 2001 USB charging station, modular > Page 105



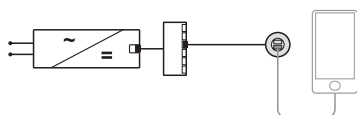
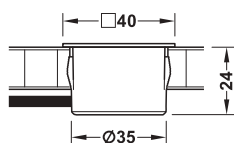
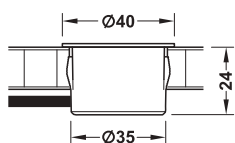
Sound systems

105 sound system > Page 106
 420 E sound system, exciter speakers > Page 107



Charging stations

Häfele Loox ESC 2001 USB charging station, modular – for 12 V system



- > Material: Plastic, matt
- > Output voltage: 5 V
- > Output current: 2 x 1 A
- > Power consumption: Max. 15 W
- > Drill hole Ø: 35 mm
- > Mounting: for mounting in drilled hole, for clamp fixing
- > Supplied with: 1 USB charging station

| Colour | Round | Straight-edged |
|---------------|------------|----------------|
| Black | 833.73.751 | 833.73.754 |
| Nickel plated | 833.73.753 | 833.73.756 |
| White | 833.73.752 | 833.73.755 |

Lead with snap-in connector

| Type of cable | Voltage | Length mm | Cat. No. |
|-------------------------------|---------|-----------|------------|
| Monochrome (2-wire 24 AWG) | 5 12V | 1000 | 833.95.789 |
| | | 2000 | 833.95.788 |

⚠ Please order lead separately.
USB-C charging stations available on request.

⚡ **5 12V** Loox5 12 V driver see page 165

Sound systems



ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

DISTRIBUTING

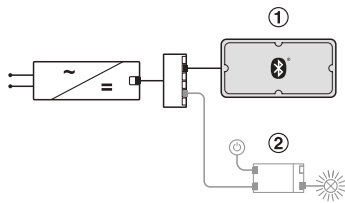
SUPPLYING

105 sound system



- > Material/finish: Plastic, black
- > Dim. (L x W x H): 140 x 66 x 25 mm
- > Power consumption: Operation: 7 W, standby: <0.3 W
- > Music wattage: 5 W (RMS)
- > Reception range: Max. 10 m
- > Mounting: For screw fixing
- > Supplied with: 1 Bluetooth® receiver and 2 m lead

| Voltage V | | Straight-edged |
|-----------|---|----------------|
| 12V | 105 sound system (Mono with integrated exciter speaker) | 822.65.001 |



- ① Sound system
- ② 3-way distributor with switching function

! Please observe the installation regulations for bathrooms!

12V 5 12V Loox5 12 V driver see page 165
Please order 6-piece adapter set 833.95.753 separately.

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Sound systems



ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



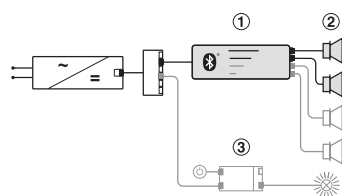
DISTRIBUTING



SUPPLYING



420 E sound system, exciter speakers



- ① Sound system
- ② Exciter speaker
- ③ 3-way distributor with switching function

- > Material/finish: Plastic, black
- > Dim. (L x W x H): 140 x 45 x 15 mm
- > Power consumption: Operation with 2 exciter speakers: max. 19 W, operation with 4 exciter speakers: max. 32 W, standby: <0.3 W
- > Music wattage: Operation with 2 or 4 exciter speakers: 2 x 10 W (RMS)
- > Reception range: Max. 10 m
- > Mounting: For screw fixing
- > Supplied with: 1 Bluetooth® receiver with 2 m lead and 4 connections for exciter speakers, incl. 2 exciter speakers

| Voltage V | | Cat. No. |
|-----------|--|------------|
| 12 V | 420 E sound system (stereo and 2 exciter speakers) | 822.65.034 |

⚠ Please observe the installation regulations for bathrooms! Can be installed on glass and mirror glass (3–6 mm each), acrylic glass (3 mm), chipboard (10–20 mm) and mineral composite boards.

⚡ **12 V 5 12 V** Loox5 12 V driver see page 165
Please order 6-piece adapter set 833.95.753 separately.

- ⊕ **Exciter speaker**
 - > Dimensions: Ø 65 x 22 mm
 - > Wattage: Rated/music load capacity 4/15 W
 - > Mounting: For screw fixing or for glue fixing
 - > Supplied with: 1 exciter speaker with 1 m speaker lead

| | Cat. No. |
|---|------------|
| Exciter speaker (wattage with 12 V plug system) | 822.65.039 |

⊕ Please order extension lead 2 m 833.73.766 for exciter speaker separately.

Switching

Sensor switch

- Sensor switch > Page 109
- Door sensor switch > Page 109
- Motion detector > Page 109
- Dimmer > Page 110
- Captive switch/dimmer > Page 110
- Sensor switch for surface mounting > Page 111
- Door sensor switch for surface mounting > Page 111
- Dimmer for surface mounting > Page 111



Sensor switch for aluminium profiles

- Motion detector, modular > Page 112
- Dimmer, modular > Page 113
- Dimmer > Page 114
- Motion detector > Page 114



Mechanical switches

- Universal door contact switch > Page 115
- Door contact switch > Page 115
- Push switch > Page 115
- Rocker switch > Page 116
- Foot switch > Page 116
- Housing for switch, for surface mounting > Page 116



Dimmer interface

- Dimmer interface 1–10 V, modular > Page 117



Multi switch box, multi driver box

- Multi switch box > Page 118
- Multi driver box > Page 119



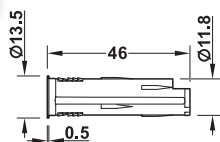
Symbol overview

| | |
|---|--|
| Sensor switch Touchless, soft on/off switching | |
| Door sensor switch Soft on/off switching | |
| Motion detector Automatic on/off switching | |
| Dimmer Soft on/off switching and dimming | |
| Captive switch/dimmer Touchless on/off switching and dimming | |
| Universal door contact switch On/off switching | |
| Door contact switch On/off switching, door closed = light off, door open = light on | |
| Push switch On/off switching | |
| Rocker switch On/off switching | |
| Foot switch On/off switching | |

Sensor switch

Häfele Loox sensor switch, modular – touchless, soft on/off switching

TOUCHLESS



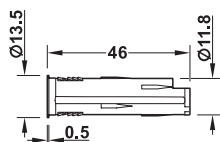
- > Material: Plastic
- > Degree of protection: IP20
- > Sensor range: 0–80 mm
- > Power consumption: ≤0.3 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch

| | Cat. No. |
|-----------------|-------------------|
| Silver coloured | 833.89.127 |
| Black | 833.89.167 |
| White | 833.89.169 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

! On/off state is stored without the need for power supply (memory function).

Häfele Loox door sensor switch, modular – soft on/off switching

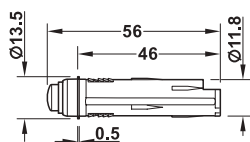


- > Material: Plastic
- > Degree of protection: IP20
- > Sensor range: 0–100 mm
- > Power consumption: ≤0.3 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch

| | Cat. No. |
|-----------------|-------------------|
| Silver coloured | 833.89.128 |
| Black | 833.89.170 |
| White | 833.89.171 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

Häfele Loox motion detector, modular – automatic on/off switching



- > Material/colour: Plastic, silver coloured
- > Degree of protection: IP20
- > Sensor range: 0–3000 mm
- > Sensor angle: 120°
- > Power consumption: ≤0.1 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 motion detector

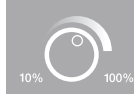
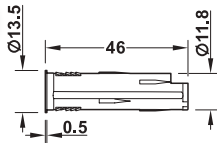
| | Delay time | Cat. No. |
|-----------------|------------|-------------------|
| Silver coloured | 30 | 833.89.129 |
| | 320 | 833.89.148 |
| Black | 30 | 833.89.172 |
| | 30 | 833.89.173 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

Sensor switch

Häfele Loox dimmer, modular – automatic on/off switching

WITH CONTACT/
TOUCHLESS



- > Material: Plastic
- > Degree of protection: IP20
- > Power consumption: ≤0.3 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 dimmer

| | Sensor range | Cat. No. |
|-------------------|--------------|-------------------|
| With touch | | |
| Silver coloured | – | 833.89.058 |
| Black | – | 833.89.174 |
| White | 0–60 mm | 833.89.175 |
| Touchless | | |
| Silver coloured | 0–60 mm | 833.89.126 |
| Black | 0–60 mm | 833.89.166 |
| White | 0–60 mm | 833.89.168 |

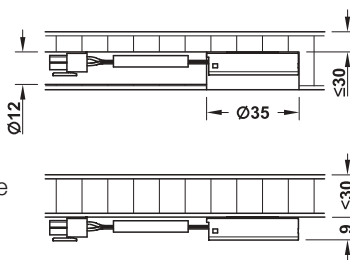
+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

! Dimming value is stored without the need for voltage supply (memory function)

Häfele Loox capacitive switch/dimmer, modular – touchless on/off switching and dimming



This completely invisible operating solution opens up completely new possibilities in continuously adjustable light control.



- > Manual operation (proximity sensor), memory function
- > Concealed installation in wood, glass or stone (not in metalliferous materials) at a maximum depth of 30 mm
- > for screw fixing or recess mounting (drill hole Ø 35 mm)
- > A distance of min. 500 mm to electromagnetic fields (power lines, microwave) must be adhered to.

- > Material/colour: Plastic, silver coloured
- > Diameter: 35 mm
- > Height: 10 mm
- > Degree of protection: IP20
- > Power consumption: ≤1 W
- > Supplied with: 1 switch

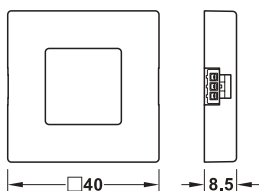
| | Cat. No. |
|-----------------------------------|-------------------|
| Capacitive switch/dimmer, modular | 833.89.133 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

Sensor switch

Häfele Loox sensor switch for surface mounting, modular – touchless, soft on/off switching

TOUCHLESS



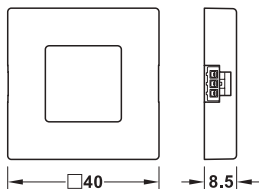
- > Material: Plastic
- > Dim. (L x W x H): 40 x 40 x 8.5 mm
- > Degree of protection: IP20
- > Sensor range: 0–80 mm
- > Power consumption: ≤0.3 W
- > Supplied with: 1 switch with fixing material

| | Silver coloured | Black | White |
|---|-------------------|-------------------|-------------------|
| Sensor switch for surface mounting, modular | 833.89.136 | 833.89.180 | 833.89.181 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

! On/off state is stored without the need for power supply (memory function).

Häfele Loox door sensor switch for surface mounting, modular – soft on/off switching



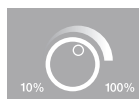
- > Material: Plastic
- > Dim. (L x W x H): 40 x 40 x 8.5 mm
- > Degree of protection: IP20
- > Sensor range: 0–100 mm
- > Power consumption: ≤0.3 W
- > Supplied with: 1 switch with fixing material

| | Silver coloured | Black | White |
|---|-------------------|-------------------|-------------------|
| Door sensor switch for surface mounting | 833.89.137 | 833.89.182 | 833.89.183 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

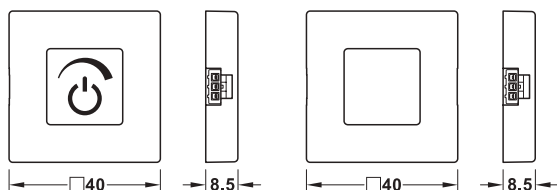
Häfele Loox dimmer for surface mounting, modular – soft on/off switching and dimming

WITH CONTACT/ TOUCHLESS



With touch function

Touchless



- > Material: Plastic
- > Dim. (L x W x H): 40 x 40 x 8.5 mm
- > Degree of protection: IP20
- > Sensor range: 0–100 mm
- > Power consumption: ≤0.3 W
- > Supplied with: 1 switch with fixing material

| | Sensor range | Silver coloured | Black | White |
|------------|--------------|-------------------|-------------------|-------------------|
| With touch | – | 833.89.134 | 833.89.176 | 833.89.177 |
| Touchless | 0–80 mm | 833.89.135 | 833.89.178 | 833.89.179 |

+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

! Dimming value is stored without the need for voltage supply (memory function)

Sensor switch

For monochrome 8 mm LED strip lights in aluminium profiles

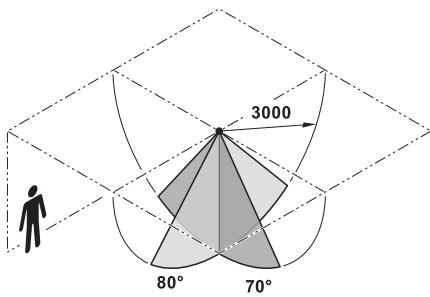
Häfele Loox5 motion detector, modular



Fig. shows switch in use
(please order profile and lead separately)



Fig. shows switch in use
(please order profile and lead separately)



Sensor range

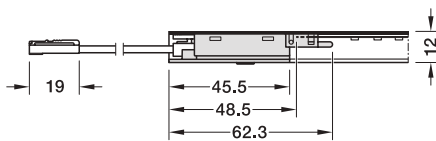
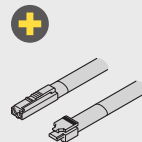


Fig. shows switch in use
(please order profile and lead separately)

- > Area of application: For monochrome 8 mm Loox5 LED strip lights in Loox5 aluminium profiles
- > Usable for: Profile 1103, Profile 1105, Profile 2102, Profile 2103, Profile 2104
- > Switching function: Gentle on/off, automatic
- > Material: Plastic
- > Colour/finish: Opal
- > Sensor range: 3000 mm
- > Horizontal sensor angle: 80°
- > Vertical sensor bracket: 70°
- > Mounting: For sliding into aluminium profile
- > Installation reference: Shorten LED strip light by approx. 50 mm in relation to the total length of the aluminium profile. Shorten diffuser by 45.5 mm.
- > Supplied with: 1 motion detector

| | Wattage capacity W | Delay time s | Cat. No. |
|-------|-----------------------|-----------------|------------|
| 5 12V | 60 | 60 | 833.89.282 |
| | | 180 | 833.89.283 |
| | | 300 | 833.89.284 |
| 5 24V | 12 | 60 | 833.89.292 |
| | | 180 | 833.89.293 |
| | | 300 | 833.89.294 |



> Lead, modular 5A/18AWG

| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.831 |
| | 2000 | 833.95.830 |
| 5 24V | 1000 | 833.95.836 |
| | 2000 | 833.95.835 |

Sensor switch

For monochrome 8 mm LED strip lights in aluminium profiles

Häfele Loox5 sensor switch, modular



Fig. shows switch in use
(please order profile and lead separately)



Fig. shows switch in use
(please order profile and lead separately)

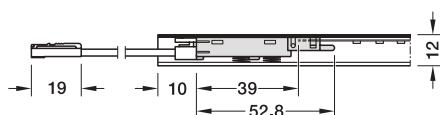


Fig. shows switch in use
(please order profile and lead separately)

> Concealed installation beneath the diffuser

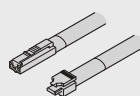
- > Area of application: For monochrome 8 mm Loox5 LED strip lights in Loox5 aluminium profiles
- > Usable for: Profile 1103, Profile 1105, Profile 2101, Profile 2102, Profile 2103, Profile 2104
- > Switching function: Gentle on/off, dimming (with memory function)
- > Material: Plastic
- > Colour/finish: Opal
- > Mounting: For sliding into aluminium profile
- > Installation reference: Suitable for other aluminium profiles with a similar internal height to the specified models (approx. 12–14 mm). Shorten LED strip light by approx. 50 mm in relation to the total length of the aluminium profile. No diffuser shortening required, since the diffuser covers the dimmer.
- > Supplied with: 1 dimmer

| | Wattage capacity W | Cat. No. |
|-------|--------------------|------------|
| 5 12V | 60 | 833.89.281 |
| 5 24V | 120 | 833.89.291 |



Note

Dimming range 5 % – 100 %
dimming setting is retained after switching off (memory function).
After being in a de-energised condition, the light returns to the status that it was in previously when it was energised.



> Lead, modular 5A/18AWG

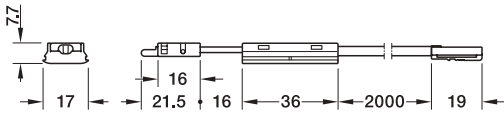
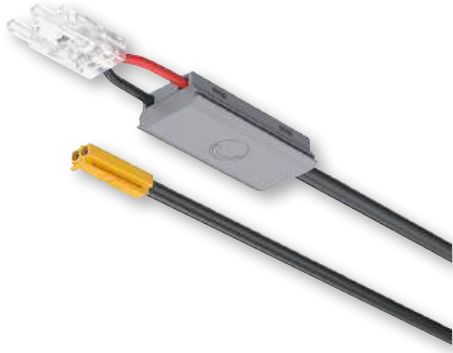
| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.831 |
| | 2000 | 833.95.830 |
| 5 24V | 1000 | 833.95.836 |
| | 2000 | 833.95.835 |

Sensor switch

For monochrome 8 mm LED strip lights in aluminium profiles

Loox5 aluminium profile dimmer – soft on/off switching with dimming

For profile 1190 / 1191 / 1192 / 1194 / 2190 / 2191



- > Area of application: For monochrome 8 mm Loox5 LED strip lights in aluminium profiles with 16 mm internal width
- > Material/colour: Plastic, silver coloured
- > Drill hole Ø: Plug 8 mm
- > Mounting: For push fitting into aluminium profile
- > Supplied with: 1 switch with clip/plug and 2 m lead

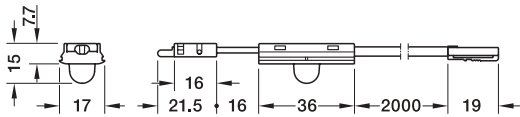
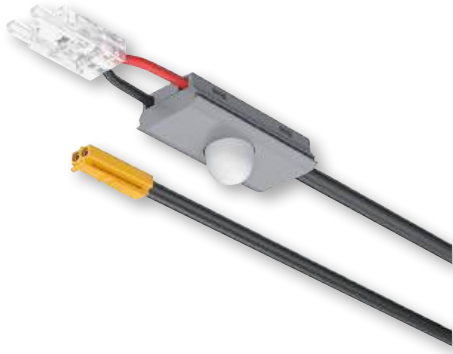
| Voltage | Max. connected wattage W | Cat. No. |
|---------|--------------------------|------------|
| 5 12V | 60 | 833.95.751 |
| 5 24V | 120 | 833.77.836 |

! Dimming value is stored without the need for voltage supply (memory function)

➔ Aluminium profile with 16 mm internal width see page 48 and page 54

Loox5 aluminium profile motion detector – automatic on/off switching

For profile 1190 / 1191 / 1192 / 1194 / 2190 / 2191



- > Area of application: For monochrome 8 mm Loox5 LED strip lights in aluminium profiles with 16 mm internal width.
- > Material/colour: Plastic, silver coloured
- > Drill hole Ø: Plug 8 mm
- > Mounting: For push fitting into aluminium profile
- > Sensor range: 0–2500 mm
- > Delay time: 30 sec.
- > Supplied with: 1 switch with clip/plug and 2 m lead

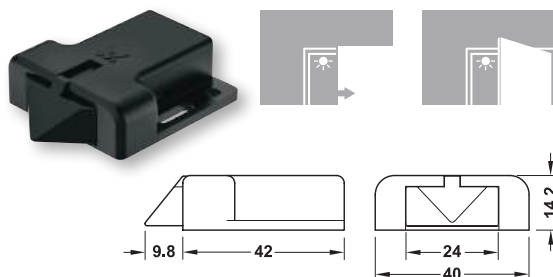
| Voltage | Max. connected wattage W | Cat. No. |
|---------|--------------------------|------------|
| 5 12V | 60 | 833.95.750 |
| 5 24V | 120 | 833.77.835 |

➔ Aluminium profile with 16 mm internal width see page 48 and page 54

Mechanical switches



Häfele Loox universal door contact switch, modular – on/off switching



The universal door contact switch is suitable for hinged doors or single-leaf sliding doors.

- > Material/colour: Plastic, black
- > Degree of protection: IP20
- > Supplied with: 1 switch with fixing material

| Length x width mm | Height mm | Cat. No. |
|-------------------|-----------|-------------------|
| 51.8 x 40 | 14.2 | 833.89.143 |

- ⊕ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142.

Häfele Loox lead with snap-in connector for modular switches



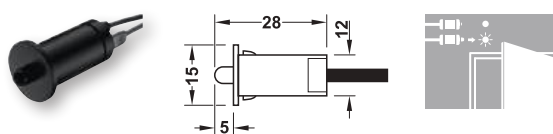
- > Degree of protection: IP20
- > Supplied with: 1 lead

| Material/colour: | Length mm | Cat. No. |
|------------------|-----------|-------------------|
| Plastic, black | 500 | 833.89.140 |
| | 1000 | 833.89.141 |
| | 2000 | 833.89.142 |

- ⊕ Required for modular switches

- ⚠ Drill hole Ø for plug and socket: 12 mm

Häfele Loox door contact switch – on/off switching

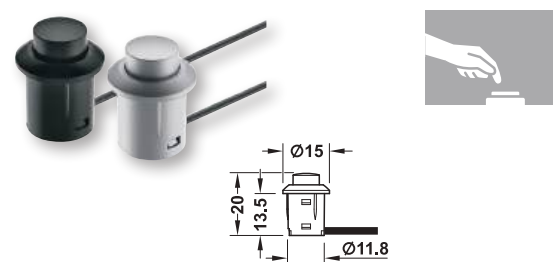


- > Degree of protection: IP20
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

| Material/colour | Length mm | Cat. No. |
|-----------------|-----------|-------------------|
| Plastic, black | 28 | 833.89.059 |

- ⚠ Drill hole Ø for plug: 12 mm

Häfele Loox push switch – on/off switching



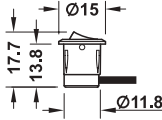
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

| Material/colour: | Length mm | Cat. No. |
|------------------|-----------|-------------------|
| Plastic, black | 20 | 833.89.108 |
| Plastic, grey | | 833.89.107 |

- ⚠ Drill hole Ø for plug: 12 mm

Mechanical switches

Häfele Loox rocker switch – on/off switching

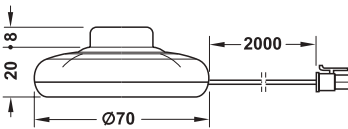


- > Material/colour: Plastic, black
- > Diameter: 15 mm
- > Height: 17.7 mm
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

| | |
|---------------|--------------------------------------|
| Rocker switch | Cat. No. 833.89.106 |
|---------------|--------------------------------------|

! Drill hole Ø for plug: 12 mm

Häfele Loox foot switch – on/off switching

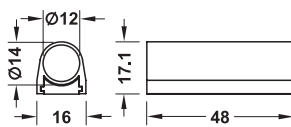


- > Material/colour: Plastic, black
- > Diameter: 70 mm
- > Height: 28 mm
- > Degree of protection: IP20
- > Supplied with: 1 switch with 2 m lead

| | |
|-------------|--------------------------------------|
| Foot switch | Cat. No. 833.89.046 |
|-------------|--------------------------------------|

! Drill hole Ø for plug: 12 mm

Housing for Häfele Loox switch, for surface mounting

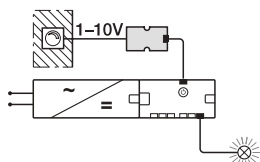


- > Material: Plastic
- > Supplied with: 1 housing
- > Application: For switch Ø 12 mm
- > Mounting: For glue fixing

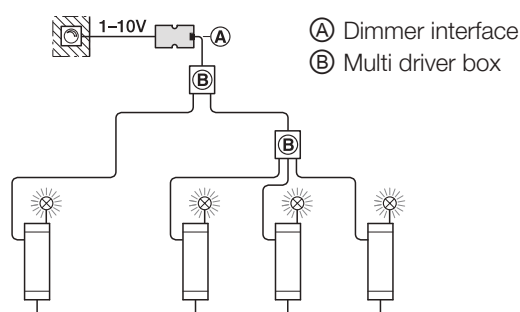
| Ø mm | Dim. (L x W x H) mm | Colour | Cat. No. |
|------|---------------------|-----------------|-------------------|
| 14 | 48 x 16 x 17.1 | Silver coloured | 833.89.092 |
| | | Black | 833.89.163 |
| | | White | 833.89.165 |

Dimmer interface

Häfele Loox dimmer interface 1–10 V, modular – for 12 V and 24 V systems



Installation example: Wall dimmer with 1–10 V control output. No connection of the dimmer to mains voltage!



Installation example: Multi driver boxes for controlling several drivers (12 V, 24 V) or distributors with switching function. No connection of the dimmer to mains voltage!

Design advantage

> Wall dimmers can be used for the control of furniture lights in the design of the house installation

- > Length x width: 68.9 x 34.7 mm
- > Height: 13.5 mm
- > Degree of protection: IP20
- > Supplied with: 1 dimmer interface

| | Cat. No. |
|----------------------------------|-------------------|
| Dimmer interface 1–10 V, modular | 833.89.144 |

! Use dimmer only, if monochrome lights are connected. Not suitable for the connection of converters or control devices. Direct connection to a normal household dimmer with a 1–10 V control output and connection via a lead with a snap-in connector for modular switches to the switching input of a 12 V, 24 V Loox driver or a distributor. Please order lead with snap-in connector for modular switches separately.

Häfele Loox lead, for modular switches

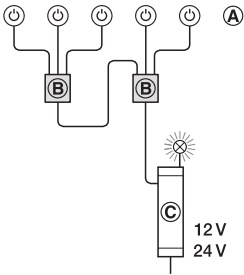


- > Area of application: Modular switches
- > Version: With snap-in connector
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

| Length mm | Cat. No. |
|-----------|-------------------|
| 500 | 833.89.140 |
| 1000 | 833.89.141 |
| 2000 | 833.89.142 |

Multi switch box

Häfele Loox multi switch box



- (A) Switch
- (B) Multi switch box
- (C) Driver

1 LED driver operated by up to 3 switches. Allows the LED driver or distributor with switching function to be switched on and off from different positions.

- > Function:
2 operating modes can be selected using an integrated toggle switch.
Cross circuit: On/off switching at different switches
Deactivated cross circuit: Switching on with switch 1, 2 or 3. For switching off, all switches that were switched on have to be activated again
- > Material/colour: Plastic, black
- > Length x width: 55 x 45 mm
- > Height: 16 mm
- > Degree of protection: IP20
- > Supplied with: 1 multi switch box with 1 m lead for switch

| Standby power consumption W | Cat. No. |
|-----------------------------|------------|
| ≤0,3 | 833.89.066 |

! Do not use with dimmer 833.89.043

Häfele Loox lead for multi boxes to switching input



- > Area of application: Multi switch box and multi driver box
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

| Length mm | Cat. No. |
|-----------|------------|
| 500 | 833.89.068 |
| 2000 | 833.89.069 |

! Alternative to the supplied 1 m lead for multi switch box.
Drill hole Ø for plug and socket: 12 mm

Häfele Loox extension lead for switches



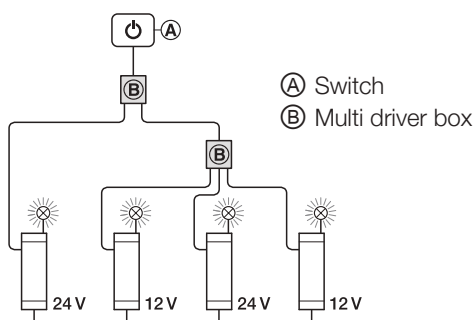
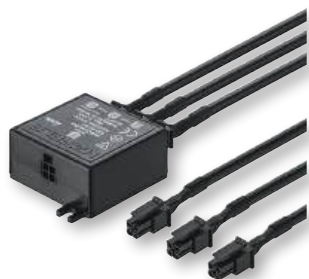
- > Length: 2000 mm
- > Supplied with: 1 lead

| | Cat. No. |
|---------------------------|------------|
| Extension lead for switch | 833.89.067 |

! Can also be used for the multi switch box and the multi driver box.
The maximum lead length of a switch is 6 m.
Drill hole Ø for plug and socket: 12 mm

Multi driver box

Häfele Loox multi driver box



- > Finish: Plastic, black
- > Length x width: 50 x 40 mm
- > Height: 19 mm
- > Supplied with: 1 multi driver box with 3 x 1 m lead for switch

| Standby power consumption W | Cat. No. |
|-----------------------------|------------|
| 1.5 W | 833.89.061 |

! Control with box 1–3 distributors/drivers.

Up to 3 LED drivers with different voltages or distributors with a switching function can be controlled with 1 switch. Several lights in the room can be switched on and off with one switch. 3 of the same voltage systems can also be connected if you require additional power in a 12 V system, for example.

Häfele Loox lead for multi boxes to switching input



- > Area of application: Multi switch box and multi driver box
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

| Length mm | Cat. No. |
|-----------|------------|
| 500 | 833.89.068 |
| 2000 | 833.89.069 |

! Alternative to the supplied three 1 m leads for multi driver box. Drill hole Ø for plug and socket: 12 mm

Häfele Loox extension lead for switches



- > Length: 2000 mm
- > Supplied with: 1 lead

| Extension lead for switch | Cat. No. |
|---------------------------|------------|
| | 833.89.067 |

! Can also be used for the multi switch box and the multi driver box.

The maximum lead length of a switch is 6 m.
Drill hole Ø for plug and socket: 12 mm

Flexible networking. Wireless control.

Connect Mesh from Häfele shows its full strength when networking different lights in furniture and in rooms.

In order to provide a high degree of flexibility for setting up your lighting solutions, the tried-and-tested Mesh technology based on Bluetooth Low Energy is used.

The biggest advantage of this technology is the communication between all components in a network.

The Connect Mesh components.

- > Connect Mesh Distributors - all lights that are connected to this distributor can be controlled wirelessly.
- > Lights with integrated Mesh technology – these components can be integrated into Mesh networks without distributors and controlled wirelessly.
- > Connect Mesh control units (remote controls, wall mounted push buttons, interfaces) – for wireless control of all lights in a network.
- > Connect Mesh App – for setting up and operating networks.
- > Extensions with third-party products are possible using a standardised communication platform.





Suitable light scenarios.

Light accompanies us from morning until evening. This is why it is very important for the lighting solution in your furnishings to accompany your customer's everyday life in a meaningful way, and always provides the correct light scene for daily activity in the rooms.

A Connect Mesh network makes it possible to install and configure room and furniture lighting so that you can create completely individual light scenes for your customers.

With Connect Mesh you have full flexibility, you can incorporate additional Mesh components at any time without tedious cable pulling, and have complete freedom when defining circuit diagrams, even across rooms and levels.

Step by step to the scene.

- > Clarify with your customer how the everyday routine takes place on their premises (e.g. dining, home office, relaxing etc.).
- > Decide which light illuminates the relevant situations in the best way possible for your customer.
- > Set up a network.
- > Now you can set the required light scenarios for all discussed situations for the customer.
- > After setting up, your customer can operate each light scene using a wall mounted push button or remote control, and adapt it himself if necessary.



Networking

Häfele Connect Mesh 6-way distributor

6-way distributor

> Page 124



124

Häfele Loox5 adapter

Multi-white adapter

> Page 125

RGB adapter

> Page 125



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Häfele Connect Mesh remote controls

Remote control

> Page 126

Wall mounted push button

> Page 126

Furniture switch

> Page 127



126

Häfele Connect Mesh motion detector

Motion detector

> Page 128

Motion detector 12/24 V

> Page 129



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Häfele Connect Mesh interface

4-channel interface

> Page 130

2-channel interface

> Page 131



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Häfele Connect Mesh Eco 4-way distributor

Set with remote control

| | |
|-------------------------------|------------|
| 4-way distributor | > Page 134 |
| Multi-white 4-way distributor | > Page 135 |
| RGB 4-way distributor | > Page 136 |



Individual components for expansion

| | |
|-------------------------------|------------|
| 4-way distributor | > Page 137 |
| Multi-white 4-way distributor | > Page 137 |
| RGB 4-way distributor | > Page 137 |
| Remote control | > Page 137 |



Distributors

ILLUMINATING

EXTENDING

SWITCHING

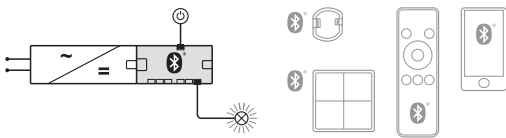
NETWORKING

DISTRIBUTING

SUPPLYING


Häfele Connect Mesh 6-way distributor, with switching function

- > Control several light colors on one box!
- > Each output port can be controlled individually.




- > Area of application: For on/off switching and dimming (0–100%) of monochrome lights; or, in conjunction with adapters, for the operation of multi-white lights, RGB lights, and electrically operated fittings
- > Version: With programmable switching input for standard Loox switches (switching function programmable via app; each active component can control each passive component, see page 120)
- > Material: Plastic
- > Colour: Black
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Number of connections:
 - 1x input port with box to box plug
 - 1x output port with box to box socket
 - 1x input port switch socket
 - 6x output ports device sockets (2-pin), can be controlled from any active component of the network
- > Standby power consumption: <0,5 W
- > Supplied with: 1 distributor


| | Voltage | Max. connected wattage W | Cat. No. |
|------------|---------|--------------------------|------------|
| Monochrome | 5 12 V | 60 | 850.00.042 |
| | 5 24 V | 120 | 850.00.043 |





Häfele Connect Mesh App

- > Detects and reports new nodes in the network independently
- > Intuitively assign functions to switches
- > Set up light groups and scenes
- > Share your protected access with others
- > The Häfele Connect Mesh App is free for Apple iOS® and Android™.



 Range of smartphone or tablet to nearest Häfele Connect Mesh component approx. 10 m. The distance within the network applies in the event of a clear view. Obstacles and electromagnetic interference sources can reduce the range. Another 6-way distributor can be used as a signal amplifier to compensate for the loss of range.

 Please order adapters for multi-white lights, RGB lights or electrically operated fittings separately, see page 125

 6-way distributor for monochrome lights or other 2-pin devices, such as electrically operated fittings, see page 142

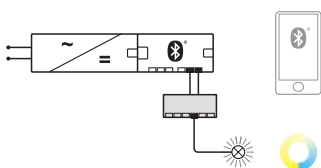


LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Adapter



Häfele Loox5 multi-white adapter for Häfele Connect Mesh 6-way distributor

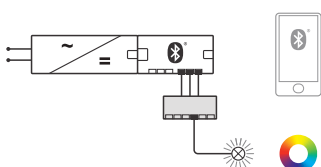


1 multi-white adapter occupies 2 output ports at the 6-way distributor.

- > Area of application: For connecting multi-white lights to the Häfele Connect Mesh 6-way distributor
- > Material/colour: Plastic, black
- > Dim. (L x W x H): 70 x 30 x 14 mm
- > Number of connections: 2x input port with plug, monochrome
6x output ports device sockets, multi-white
- > Supplied with: 1 distributor with 80 mm lead

| Voltage | Max. connected wattage W | Cat. No. |
|---------|--------------------------|------------|
| 5 12V | 60 | 833.95.745 |
| 5 24V | 120 | 833.77.830 |

Häfele Loox5 RGB adapter for Häfele Connect Mesh 6-way distributor

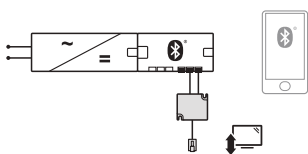


1 RGB adapter occupies 3 output ports at the 6-way distributor.

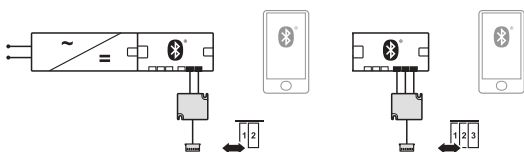
- > Area of application: For connecting RGB lights to the Häfele Connect Mesh 6-way distributor
- > Material/colour: Plastic, black
- > Dim. (L x W x H): 70 x 30 x 14 mm
- > Number of connections: 3x input port with plug, monochrome
6x output ports for device sockets, RGB
- > Supplied with: 1 distributor with 80 mm lead

| Voltage | Max. connected wattage W | Cat. No. |
|---------|--------------------------|------------|
| 5 12V | 60 | 833.95.746 |
| 5 24V | 120 | 833.77.831 |

Häfele Connect Mesh adapter for electrically operated fittings



*TV lift only controllable via app

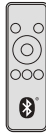
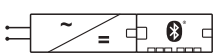


- > Area of application: For connecting electrically operated fittings to the Häfele Connect Mesh 6-way distributor.
- > Supplied with: 1 distributor

| Voltage | | Number of connections | Cat. No. |
|---------|----------------------------|-------------------------|------------|
| 5 12V | Clothes lift adapter | Occupies 1 output | 850.00.075 |
| | TV lift adapter* | Occupies 2 output ports | 850.00.057 |
| | eDrive adapter for 2 doors | Occupies 2 output ports | 850.00.058 |
| | eDrive adapter for 3 doors | Occupies 3 output ports | 850.00.059 |
| 5 24V | eDrive adapter for 2 doors | Occupies 2 output ports | 850.00.128 |
| | eDrive adapter for 3 doors | Occupies 3 output ports | 850.00.129 |

Controls

Häfele Connect Mesh remote control



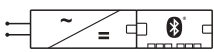
Easiness
 > One remote control for all applications: monochrome lights, multi-white lights, RGB lights and electrically operated fittings

- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Easy, direct pairing with a 6-way distributor or programming of buttons via app to control each node of the network
- > Version: Multi-function control panel
- > Material: Plastic
- > Colour: Top shell: black, lower shell: white
- > Dim. (L x W x H): 130 x 42 x 11 mm
- > Battery service life: 3,600 duty cycles
- > Supplied with: 1 remote control

| | Cat. No. |
|----------------|------------|
| Remote control | 850.00.040 |

! Please order Häfele Connect Mesh 6-way distributor separately. Please order 2 CR2032 lithium button cell batteries (2 x 002.99.032) separately.

Häfele Connect Mesh push button, wall mounted



- > Area of application: For controlling Häfele Connect Mesh components in a network (all functions which are possible by pressing or holding down a key)
- > Configuration: Easy, direct pairing with a 6-way distributor or programming of buttons via app to control each node of the network
- > Version: 4-button panel
- > Material: Plastic
- > Colour: Pushbutton: black, frame: white
- > Dim. (L x W x H): 81 x 81 x 12 mm
- > Mounting: For screw fixing or glue fixing to any wall
- > Battery service life: 1,800 duty cycles
- > Supplied with: 1 push button, wall mounted

| | Cat. No. |
|--------------------------|------------|
| Wall mounted push button | 850.00.041 |

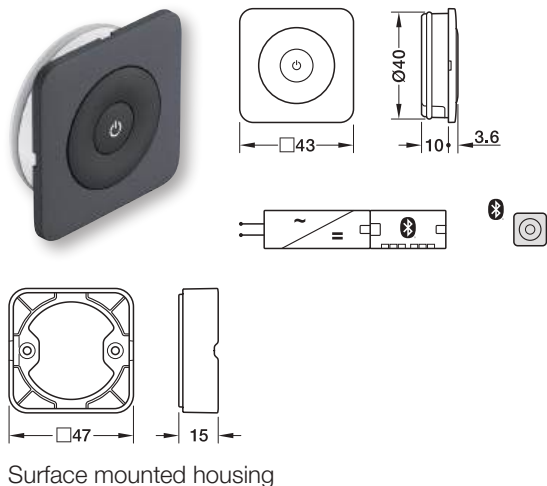
! Please order Häfele Connect Mesh 6-way distributor separately. Please order 1 lithium button cell battery CR2430 (1 x 002.99.034) separately.

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Controls



Furniture switch, multi-functional Häfele Connect Mesh



Surface mounted housing

> Controls all light colours (monochrome, multi-white, RGB)

- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Programming of buttons via app to control each node of the network
- > Version: Multi-function control panel
- > Material: Plastic
- > Colour: Black
- > Dim. (L x W): 43 x 43 mm
- > Installation depth: 10 mm
- > Switching function: On/off, dimming, Colour change
- > Mounting: Drilling in and clamping for screw fixing
- > Battery service life: 1,800 duty cycles
- > Supplied with: 1 furniture switch, 1 down light housing

| Switch type | Colour/finish | Cat. No. |
|---|---------------|------------|
| Furniture switch, multifunctional, Häfele Connect, Mesh | Black | 850.00.952 |



Order reference

Please order Häfele Connect Mesh 6-way distributor separately.
Please order 1 CR2032 lithium button cell battery (1 x 002.99.032) separately.



Controls

ILLUMINATING

EXTENDING

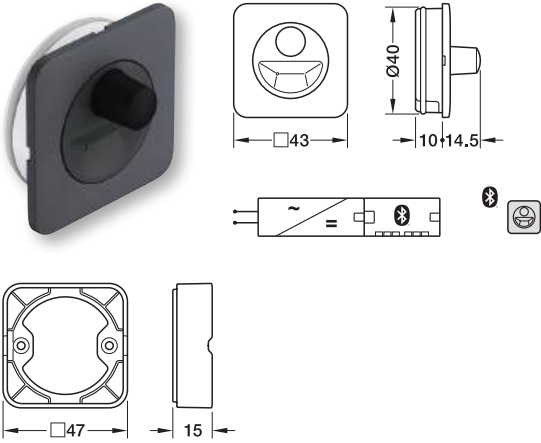
SWITCHING

NETWORKING

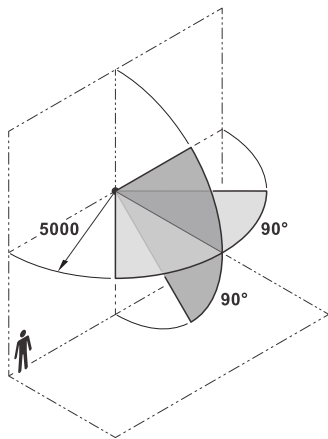
DISTRIBUTING

SUPPLYING

Häfele Connect Mesh motion detector



Surface mounted housing



Sensor range

Sensor range 5000 mm with temperature difference of 4° C between environment and moving object. Range up to 7000 mm with difference of 8 °C.

- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Programming of motion detector and brightness sensor via app to actuate each node of the network
- > Version: Sensor (motion, brightness)
- > Material: Plastic
- > Colour: Black
- > Dim. (L x W): 43 x 43 mm
- > Installation depth: 10 mm
- > Switching function: On/off
- > Mounting: For mounting in drilled hole and clamp fixing, for screw fixing
- > Battery service life: >1 year
- > Supplied with: 1 furniture switch, 1 down light housing

| Switch type | Colour/finish | Cat. No. |
|-----------------|---------------|------------|
| Motion detector | Black | 850.00.953 |

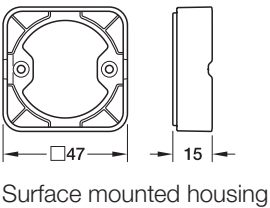
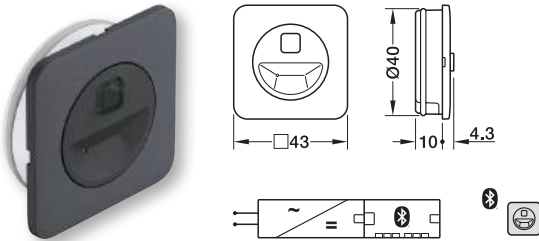
Note
Soft switch-on and after-run time, with brightness sensor threshold value adjustable via app.

Order reference
Please order Häfele Connect Mesh 6-way distributor separately. Please order 1 lithium button cell battery CR2032 (1 x 002.99.032) separately.

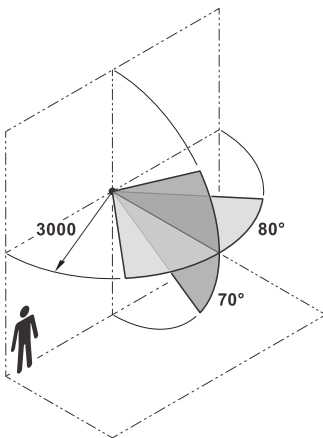
➔ Häfele Connect Mesh 6-way distributor see page 124

Controls

Häfele Connect Mesh motion detector, modular



Surface mounted housing



Sensor range


- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Programming of the motion detector and brightness sensor via app to actuate each node of the network. Modular lead is only required for the power supply. The switching signal is transmitted via Bluetooth.
- > Version: Sensor (motion, brightness)
- > Material: Plastic
- > Colour: Black
- > Dim. (L x W): 43 x 43 mm
- > Installation depth: 10 mm
- > Switching function: On/off
- > Power consumption: 2 W
- > Mounting: For mounting in drilled hole and clamp fixing, for screw fixing
- > Supplied with: 1 furniture switch, 1 down light housing

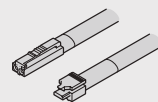
| Switch type | Voltage V | Colour/finish | Cat. No. |
|-----------------|-----------|---------------|------------|
| Motion detector | 5 12V | Black | 850.00.954 |
| | 5 24V | Black | 850.00.955 |

Note
Soft switch-on and after-run time, with brightness sensor threshold value adjustable via app.

Order reference

Please order the Häfele Connect Mesh 6-way distributor and lead (modular with Loox5 2-pin snap-in connector) separately. Please note nominal voltage!

 Häfele Connect Mesh 6-way distributor see page 124

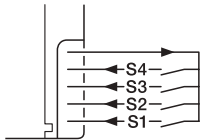
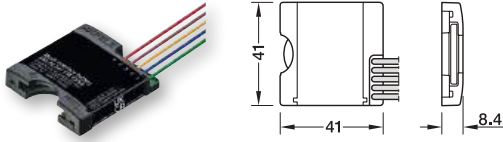


> Lead, 1.5 A/24 AWG, with snap-in connector

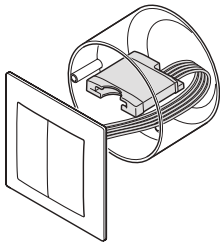
| Voltage | Length mm | Cat. No. |
|---------|-----------|------------|
| 5 12V | 1000 | 833.95.789 |
| | 2000 | 833.95.788 |
| 5 24V | 2000 | 833.95.791 |

Controls

4-channel interface, Häfele Connect Mesh, battery-operated



Installation example



Installation in switch box

- > Allows use of wall-mounted push buttons in the house installation design
- > Controls furniture and room lighting with Häfele Connect Mesh

- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Simple, direct coupling with a 6-way distributor or programming of push buttons via app to actuate each node of the network.
No load flows through the switch that is provided on site. Each push of the button is converted into radio signals by the interface.
- > Material: Plastic
- > Connection: 4 switching inputs for conventional 4-way wall mounted push buttons (double rocker with 4 active touchpads) or use of single rocker with 2 active touchpads
- > Dim. (L x W x H): 48 x 7 x 39 mm
- > Mounting: suitable for installation in switch boxes
- > Battery service life: 1,800 duty cycles
- > Supplied with: 1 4-channel interface

| Product type | Cat. No. |
|---------------------------------------|------------|
| 4-channel interface without batteries | 850.00.047 |

Order reference
 Please order Häfele Connect Mesh 6-way distributor separately.
 Please order 1 CR2430 button cell lithium batteries (1 x 002.99.034) separately.
 Wall mounted push button (e.g. Gira 014700) and cavity wall box on site.

Compatible wall mounted push button

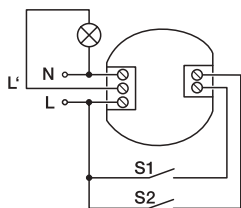
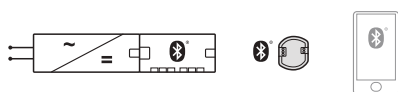
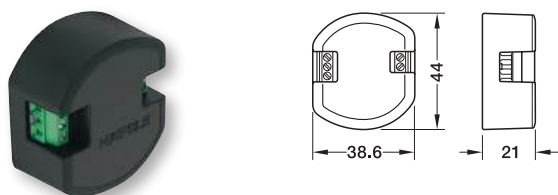
| No. | Manufacturer | Model number | EAN |
|-----|--------------|--------------|---------------|
| 1 | GIRA | 014700 | 4010337147008 |
| 2 | Jung | 532-4U | 4011377021044 |
| 3 | Berker | 503404 | 4011334255994 |

Controls

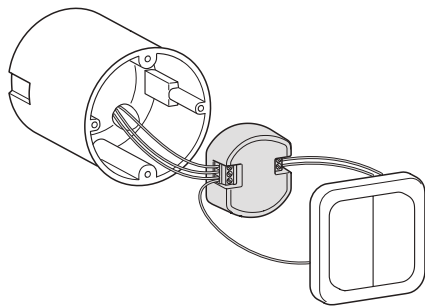


2-channel interface, Häfele Connect Mesh, with potential free relay 80–230V

- > Allows use of push buttons, wall mounted, with same design as the house installation
- > Controls furniture and room lights and also house installation devices with Häfele Connect Mesh



Installation example



Installation in a deep switch box

- > Area of application: For on/off control of room lights or other house installations via Connect Mesh (all functions that are accessible by pressing or holding a button)
- > Configuration: Programming via app to actuate each node of the network.
- > Version: With potential free relay
- > Material: Plastic
- > Connection: 2 switching inputs for conventional standard wall mounted push buttons (double rocker switch), 1 output for on/off switching of 80–240 V, max. 3 A, (max. 240 W with 80 V and 720 W with 240 V), (can be controlled from any active component of the network)
- > Power consumption: 2 W
- > Dim. (L x W x H): 39 x 44 x 21 mm
- > Mounting: Suitable for installation in switch boxes (recommended box depth 60 mm)
- > Supplied with: 1 2-channel interface

| Product type | Cat. No. |
|---------------------|------------|
| 2-channel interface | 850.00.046 |



Note

The installation, start-up and maintenance of the product may only be carried out by trained electricians with appropriate qualifications.

Order reference

Please order Häfele Connect Mesh 6-way distributor separately. Wall mounted push button (e.g. Gira 015500) and cavity wall box on site.

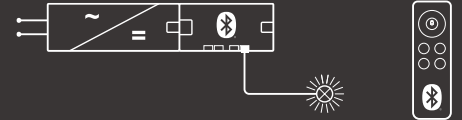
Compatible push button

| No. | Manufacturer | Model number | EAN |
|-----|--------------|-----------------|---------------|
| 1 | GIRA | 015500 | 4010337155003 |
| 2 | Jung | 535U | 4011377273702 |
| 3 | Berker | 5035 | 4011334030447 |
| 4 | Busch-Jaeger | 2020 US-205-101 | 4011395045800 |
| 5 | Merten | MEG3155-0000 | 4042811144753 |
| 6 | Legrand | 775818 – Pro21 | 3245067758182 |
| 7 | Siemens | 5TD2111 | 4001869040301 |
| 8 | Peha | D 619 T | 4010105110913 |
| 9 | Hager | WUE35 | 3250617020169 |
| 10 | Kopp | 503800002 | 4008224439022 |

The use of technically identical models is possible.

For large and small requirements.

The choice is yours.



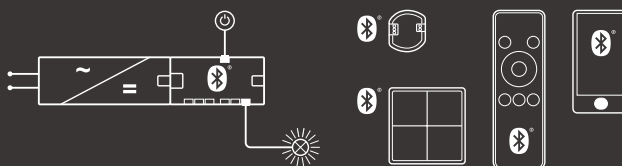
Connect Mesh eco. For simple solutions.

If you are only planning a small controller for furniture lighting, preconfigured Connect Mesh Eco Sets will help you further.

With Connect Mesh Eco, you have ready-to-use components. Simply connect to the driver. Plug in the lights. And your wireless controller is ready for use in no time.

The Connect Mesh Eco System.

- > The sets (consisting of distributor and a remote control) are available for controlling monochrome, multi-white and RGB lights.
- > Each set is pre-configured and therefore ready for immediate use.
- > Extendible with up to 4 distributors for small lighting systems.



Connect Mesh. For complete flexibility.

You have a comprehensive light installation to control or generally want unrestricted freedom when setting up your lighting scenarios.

If so, Connect Mesh with its full range of functions is the right choice.

The Connect Mesh system.

- > The heart of the system is the Connect Mesh app, which is used for setting up and controlling.
- > You define the groups yourself.
- > You can freely define the scenarios you require.
- > You have flexibility when assigning groups and scenarios to the control units.
- > You can integrate and combine all of the available control units in your application.

Networking

Distributor and remote control – Eco



4-way distributor in a set with the Häfele Connect Mesh Eco remote control

Monochrome

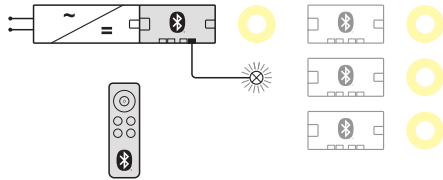


- > Sets coupled from the factory for immediate start-up
- > Ideal for small networks with max. 4 distributors and 1 remote control

- > Area of application: For on/off switching and dimming (0–100 %)
- > Usable for: For monochrome lights
- > Material: Plastic
- > Colour/finish: Black
- > Dimensions: Distributor: 105 x 50 x 16 mm, Remote control: 125 x 40 x 12 mm
- > Max. number of distributors per network: 4
- > Max. distance within the network: 10 m
- > Number of connections: 1 x input port with box to box plug, 1 x output with box to box socket, 4 x outputs, consumer sockets (2-pin), controllable with remote control
- > Standby power consumption: <0,5 W
- > Supplied with: 1 x 4-way distributor, monochrome, 1 remote control

Functionality

The remote control can be used to select one of the four outputs (outputs 1, 2, 3 or 4) and simultaneously control this output at all distributors of the network (on/off, dimming level).



4-way distributor, monochrome
(3 extension distributors possible)

| Voltage V | Memory function | Wattage capacity W | Cat. No. |
|-----------|--|--------------------|------------|
| 5 12V | No | 36 | 850.00.981 |
| 5 24V | Yes (also in the de-energised condition) | 72 | 850.00.982 |



Note

Please use Häfele Connect Mesh 6-way distributor for maximum performance with switching function and app control. The distance within the network applies in the event of a clear view. Obstacles and electromagnetic interference sources can reduce the range. Another 4-way distributor can be used as a signal amplifier to compensate for the loss of range. Maximum lead length from driver to distributor 2 m. Memory function for primary side off-switching with 12 V version not available until production date Q3/2022.

Order reference

Extendible to up to 4 distributors (monochrome). Please order extension distributor and drivers separately. Please note nominal voltage!



Individual extension distributor see page 137

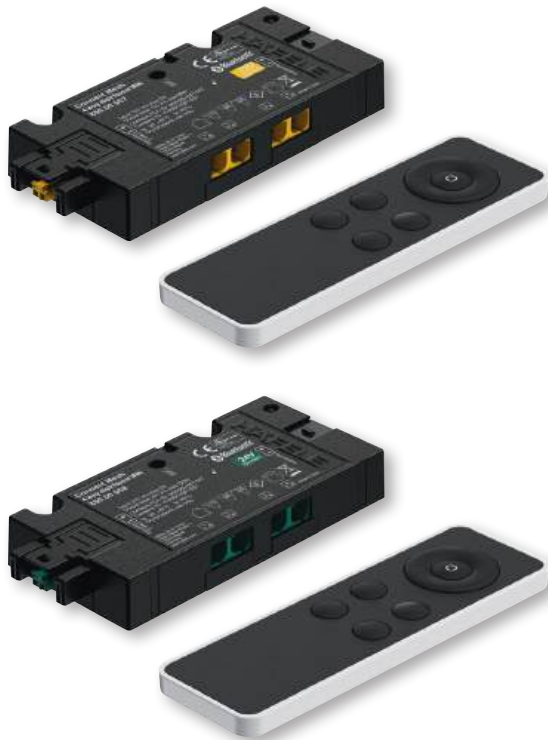
Networking

Distributor and remote control – Eco



4-way distributor in a set with the Häfele Connect Mesh Eco remote control

Multi-white



- > Sets coupled from the factory for immediate start-up
- > Ideal for small networks with max. 4 distributors and 1 remote control

- > Area of application: For on/off switching and dimming (0–100 %) and multi-white colour change
- > Usable for: For multi-white lights
- > Material: Plastic
- > Colour/finish: Black
- > Dimensions: Distributor: 105 x 50 x 16 mm, Remote control: 125 x 40 x 12 mm
- > Max. number of distributors per network: 4
- > Max. distance within the network: 10 m
- > Number of connections: 1 x input port with box to box plug, 1 x output with box to box socket, 4 x output consumer sockets (multi-white), controllable with remote control
- > Standby power consumption: <0,5 W
- > Supplied with: 1 multi-white 4-way distributor, 1 remote control

Functionality

Use the remote control to select one of max. four distributors (distributors 1, 2, 3 or 4) and simultaneously control all four outputs at this distributor (on/off, light colour, dimming level).

| Voltage V | Memory function | Wattage capacity W | Cat. No. |
|-----------|--|--------------------|------------|
| 5 12V | No | 36 | 850.00.983 |
| 5 24V | Yes (also in the de-energised condition) | 72 | 850.00.984 |



Note

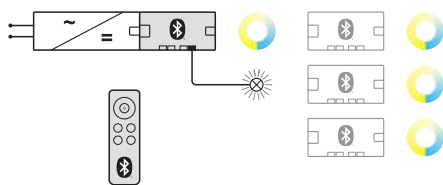
Please use Häfele Connect Mesh 6-way distributor for maximum performance with switching function and app control. The distance within the network applies in the event of a clear view. Obstacles and electromagnetic interference sources can reduce the range. Another 4-way distributor can be used as a signal amplifier to compensate for the loss of range. Maximum lead length from driver to distributor 2 m. Memory function for primary side off-switching with 12 V version not available until production date Q3/2022.

Order reference

Can be extended to up to 4 distributors (multi-white). Please order extension distributor and drivers separately. Please note nominal voltage!



Individual extension distributor see page 137



4-way distributor multi-white
(3 extension distributors possible)

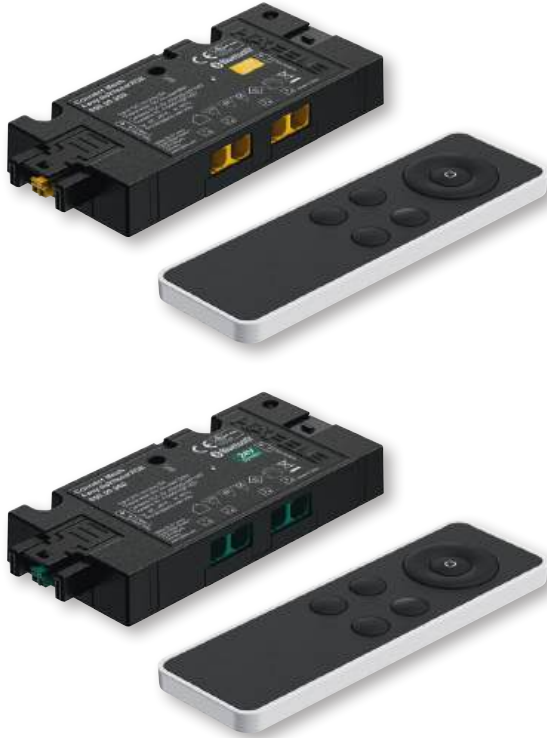
Networking

Distributor and remote control – Eco



4-way distributor in a set with the Häfele Connect Mesh Eco remote control

RGB



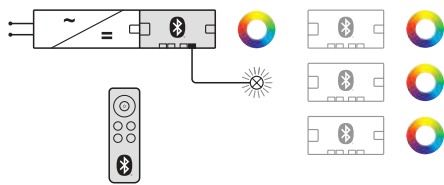
- > Sets coupled from the factory for immediate start-up
- > Ideal for small networks with max. 4 distributors and 1 remote control

- > Area of application: For on/off switching and dimming (0–100%) and RGB colour change
- > Usable for: For RGB lights
- > Material: Plastic
- > Colour/finish: Black
- > Dimensions: Distributor: 105 x 50 x 16 mm, Remote control: 125 x 40 x 12 mm
- > Max. number of distributors per network: 4
- > Max. distance within the network: 10 m
- > Number of connections: 1 x input port with box to box plug, 1 x output with box to box socket, 4 x output consumer sockets (RGB), controllable with remote control
- > Standby power consumption: <0,5 W
- > Supplied with: 1 x 4-way distributor, RGB, 1 remote control

Functionality

Use the remote control to select one of max. four distributors (distributors 1, 2, 3 or 4) and simultaneously control all four outputs at this distributor (on/off, light colour, dimming level).

| Voltage V | Memory function | Wattage capacity W | Cat. No. |
|-----------|--|--------------------|------------|
| 5 12V | No | 36 | 850.00.985 |
| 5 24V | Yes (also in the de-energised condition) | 72 | 850.00.986 |



RGB 4-way distributor
(3 extension distributors possible)



Note

Please use Häfele Connect Mesh 6-way distributor for maximum performance with switching function and app control. The distance within the network applies in the event of a clear view. Obstacles and electromagnetic interference sources can reduce the range. Another 4-way distributor can be used as a signal amplifier to compensate for the loss of range. Maximum lead length from driver to distributor 2 m. Memory function for primary side off-switching with 12 V version not available until production date Q3/2022.

Order reference

Extendible to up to 4 distributors (RGB). Please order extension distributor and drivers separately. Please note nominal voltage!



Individual extension distributor see page 137

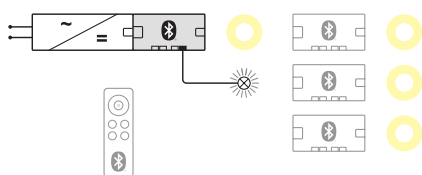
Networking

Distributor and remote control – Eco

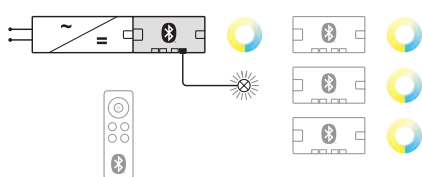


Häfele Connect Mesh Eco 4-way distributor

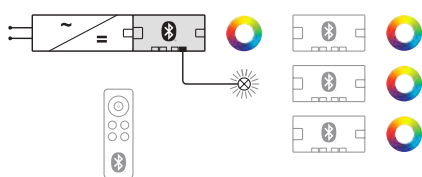
Individual components for extending the sets



4-way distributor, monochrome



4-way distributor, multi-white



RGB 4-way distributor

- > Individual components for extending a set to up to 4 distributors
- > Easy coupling to existing set without using the app

- > Area of application: For on/off switching and dimming (0–100 %), also multi-white or RGB colour change, depending on the version
- > Usable for: For multi-white lights
- > Material: Plastic
- > Colour/finish: Black
- > Dimensions: Distributor: 105 x 50 x 16 mm, Remote control: 125 x 40 x 12 mm
- > Max. number of distributors per network: 4
- > Max. distance within the network: 10 m
- > Number of connections: 1 x input port with box to box plug, 1 x output with box to box socket, 4 x output consumer socket, controllable with remote control
- > Standby power consumption: <0,5 W
- > Supplied with: 1 x 4-way distributor

Functionality

1 remote control, switches 1 channel (all four outputs) at either distributor 1, 2, 3 or 4.

| | Voltage V | Wattage capacity W | Memory function | Cat. No. |
|--|-----------|--------------------|--|------------|
| | 5 12 V | 36 | No | 850.00.910 |
| | 5 24 V | 72 | Yes (also in the de-energised condition) | 850.00.920 |
| | 5 12 V | 36 | No | 850.00.957 |
| | 5 24 V | 72 | Yes (also in the de-energised condition) | 850.00.958 |
| | 5 12 V | 36 | No | 850.00.959 |
| | 5 24 V | 72 | Yes (also in the de-energised condition) | 850.00.960 |



Note

Connection of distributor to existing network required. The distance within the network applies in the event of a clear view. Maximum lead from driver to distributor 2 m. Memory function for primary side off-switching with 12 V version, not available until production date Q3/2022.

Häfele Connect Mesh Eco remote control

Replacement part

| Product type | Supplied with | Cat. No. |
|---------------------|--------------------------------------|------------|
| Remote control | 1 remote control 1 CR2032 battery | 850.00.950 |
| Button cell battery | 1 CR2032 battery | 002.99.032 |

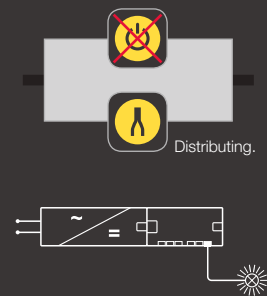
Switching or networking. The distributors at a glance.

The Loox5 system is designed in such a way that control, distribution and networking take place via one or more connected distributors. Depending on the distributor that is selected, control can be wired or wireless. Here is a selection guide so that you can quickly find the right distributor for your project.

Without control.

In some cases, your lighting system does not require control because it is not necessary on site, for example, or not at all.

> The solution: **6-way distributor without switching function**

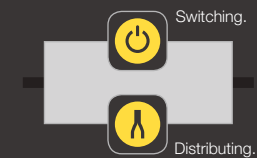


With wired controller.

Various distributors are available for wired control of lighting systems.

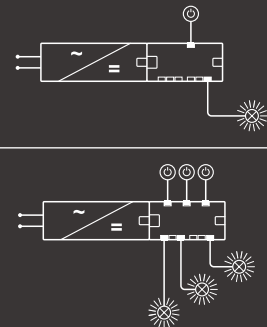
The basic version allows you to control all 6 outputs simultaneously with 1 switch.

> The solution: **6-way distributor with switching function**



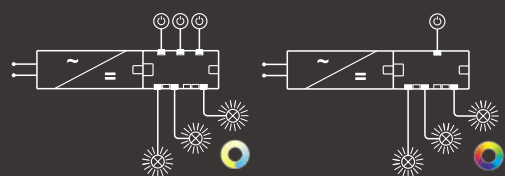
Another distributor provides you with more flexibility with regard to the number of switches and when setting up switching programmes.

> The solution: **6-way distributor with 3-way switching function**



If you process multi-white or RGB light, you need special distributors to define a light colour or a colour gradient (RGB only).

> The solutions: **6-way MW distributor with switching function, 6-way RGB distributor with switching function**



With wireless control.

For extremely flexible control options, you can use wireless solutions with push button sender, radio remote control or an app.

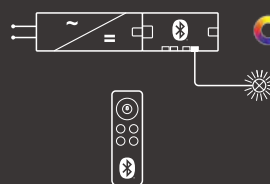
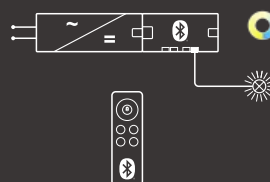
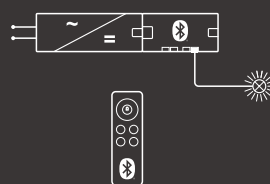
In order to make a start in wireless networking, you can control smaller lighting systems without any set-up effort via the radio remote control.

> The solution: **Connect Mesh Eco 4-way distributor**



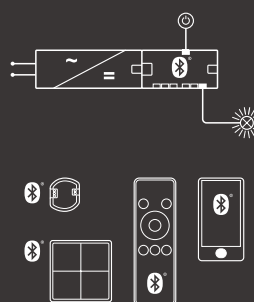
If you work with multi-white or RGB lights, you will also find suitable distributors for control with remote control without any set-up effort.

> The solution: **Connect Mesh Eco 4-way MW distributor**
Connect Mesh Eco 4-way RGB distributor



More flexibility in setting up networks regardless of the size of your lighting system is provided with smart distributors with which you can implement almost every customer requirement and, if necessary, even have the option of integrating wired switches as well.

> The solution: **Connect Mesh 6-way distributor with switching function**



Distributing

ILLUMINATING

EXTENDING





SWITCHING

NETWORKING

DISTRIBUTING

SUPPLYING

Distributors

- 6-way distributor without switching function > Page 142
- Box to box 6-way distributor without switching function > Page 142
-  Box to box 6-way distributor with switching function > Page 142
-  Box to box 6-way distributor with multi-switching function > Page 143
-  Box to box 6-way distributor, multi-white with switching function > Page 144
-  Box to box RGB 6-way distributor with switching function > Page 145



Extension leads

- Extension lead monochrome/2-pin > Page 146
- Extension lead multi-white > Page 146
- Extension lead RGB > Page 146
- Y-distributor > Page 147
- Y-distributor multi-white > Page 147
- 4-way extension lead monochrome/2-pin > Page 148



Modular leads

- Lead for modular lights and other modular devices > Page 149
- Lead for modular multi-white lights > Page 149



Switch leads

- Extension lead for switch > Page 150
- Lead for modular switches > Page 150
- Lead for switches > Page 150



Leads and connectors for LED strip lights

- Cables for LED strip light monochrome, 5 mm > Page 151
- Cables for LED strip light monochrome, 8 mm > Page 152
- Cables for LED silicone strip light, monochrome, 8 mm > Page 153
- Lead for LED strip light COB monochrome, 8 mm > Page 154
- Cables for LED strip light multi-white, 8 mm > Page 155
- Cable for LED strip light RGB, 10 mm > Page 156



Adapter

- Adapters Loox/Loox5 > Page 158



Mains leads

- With C7 socket (Small appliance plug) > Page 160
- With C13 socket (Cold appliance plug) > Page 161



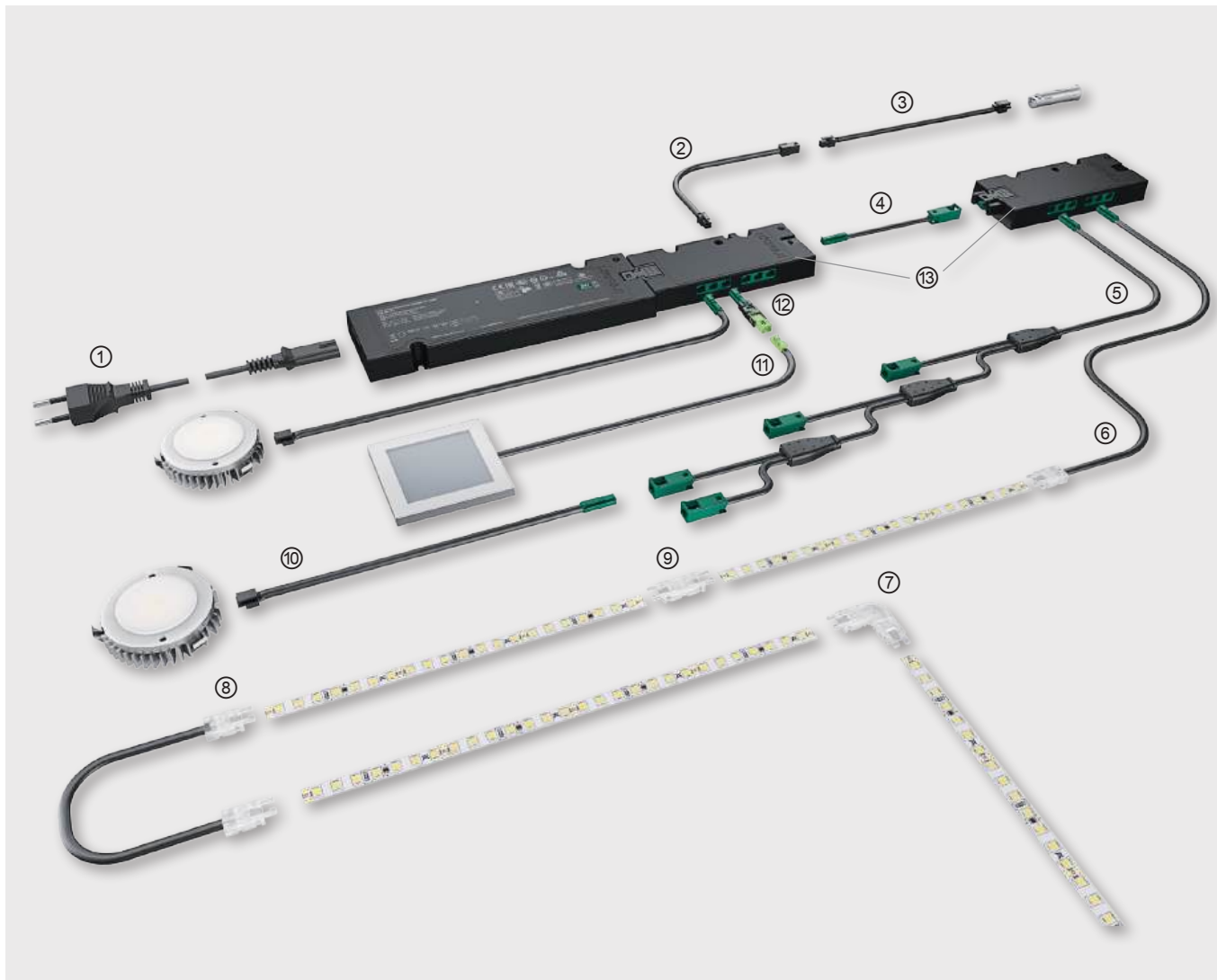
Cable guide

- Cable channel > Page 157
- Cable cover > Page 157



Distributing

Definition of terms



- ① Mains lead
- ② Extension lead for switch
- ③ Lead for modular switches
- ④ Extension lead
- ⑤ 4-way extension lead
- ⑥ Lead for LED strip light
- ⑦ Corner connector for LED strip light

- ⑧ Interconnecting lead for LED strip light
- ⑨ Clip connector for LED strip light
- ⑩ Lead for modular lights
- ⑪ Light with permanent lead
- ⑫ Adapter
- ⑬ 6-way distributor

Distributors

Häfele Loox5 6-way distributor

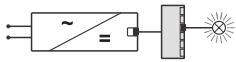
Plug connection box to box

> The connection of the distributors with the driver can be done via a box to box plug-in connection or via an extension lead. Any number of distributors can be connected to the driver. Observe maximum wattage!

Häfele Loox5 6-way distributor without switching function



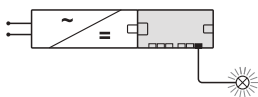
Can also be connected to 6-way distributor



- > Material: Plastic
- > Colour: Black
- > Dim. (L x W x H): 70 x 30 x 14 mm
- > Number of connections: 1 x input port with plug, monochrome
6 x output ports device sockets
- > Supplied with: 1 distributor

| Voltage V | Max. connected wattage W | Without switching function |
|-----------|--------------------------|----------------------------|
| 5 12V | 60 | 833.95.786 |
| 5 24V | 120 | 833.77.839 |

Häfele Loox5 box to box 6-way distributor without switching function



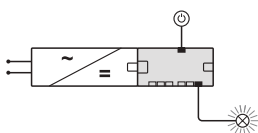
- > Material: Plastic
- > Colour: Black
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Number of connections: 1 x input port with box to box plug
1 x output port with box to box socket
6 x output ports device sockets
- > Supplied with: 1 distributor

| Voltage V | Max. connected wattage W | Box to box without switching function |
|-----------|--------------------------|---------------------------------------|
| 5 12V | 60 | 833.95.747 |
| 5 24V | 120 | 833.77.832 |

Häfele Loox5 box to box 6-way distributor with switching function



1 switch controls all output ports



- > Material: Plastic
- > Colour: Black
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Number of connections: 1 x input port with box to box plug
1 x output port with box to box socket
1 x input port switch socket
6 x output ports device sockets
- > Supplied with: 1 distributor

| Voltage V | Max. connected wattage W | Box to box with switching function |
|-----------|--------------------------|------------------------------------|
| 5 12V | 60 | 833.95.748 |
| 5 24V | 120 | 833.77.833 |

Distributors



Häfele Loox5 box to box 6-way distributor with multi-switching function



- > Multi-switching function for up to 3 switches
- > Box to box plug-in connection
- > Permanent soft on/off function, independent of the switch that is used

- > Area of application: For on/off switching and dimming (0–100 %)
- > Version: With switching function for up to 3 switches
- > Material: Plastic
- > Colour/finish: Black
- > Control inputs: 3 x socket, Loox switch
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Mounting: For screw fixing, For glue fixing
- > Supplied with: 1 Distributor including fixing material (adhesive tape and screws)



Operation modes

3 operating modes:

Group connection (red feedback LED)

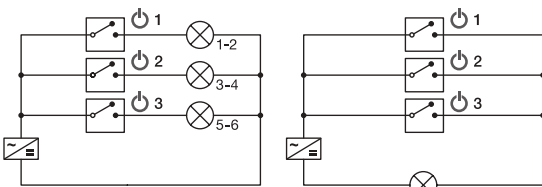
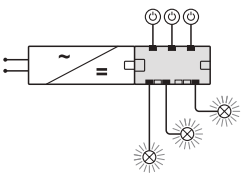
- Switch 1 = outputs 1 and 2
- Switch 2 = outputs 3 and 4
- Switch 3 = outputs 5 and 6

OR circuit (blue feedback LED)

Switching on via switch 1, 2 or 3, all switches that are switched on are operated again for switching off
No dimmer may be used in the OR circuit operation mode!

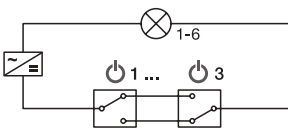
Digital cross circuit (green feedback LED)

Operate one switch (1, 2 or 3) to switch all outputs on/off



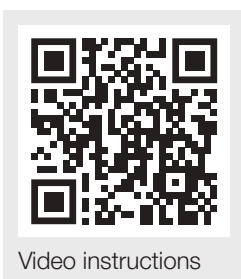
Group circuit

OR circuit



Digital cross circuit

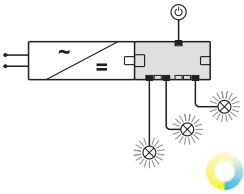
| Voltage V | Max. connected wattage W | Cat. No. |
|-----------|--------------------------|------------|
| 5 12 V | 60 | 833.95.828 |
| 5 24 V | 120 | 833.95.829 |



Distributors



Häfele Loox5 6-way distributor, MW, with switching function



- > Connect multi-white lights directly – without adapters
- > Four pre-settable light colours (2700 K/3000 K/4000 K/5000 K)
- > With switching function

- > Area of application: for on/off switching and dimming (0-100 %) of 3-pin multi-white lights
- > Version: Multi-white 3-pin, with switching function for 1 switch
- > Material: Plastic
- > Standby power consumption: 0.25 W
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Supplied with: 1 Distributor including fixing material (adhesive tape and screws)



Note

A function button on the distributor is used to preselect (for all outputs at once) from 4 light colours: 2700 K/3000 K/4000 K/5000 K

| Voltage V | Max. connected wattage W | Cat. No. |
|-----------|--------------------------|------------|
| 5 12V | 60 | 833.95.892 |
| 5 24V | 120 | 833.95.893 |

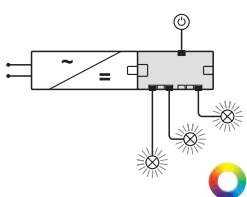


Video instructions

Distributors



6-way distributor with RGB switching function, with switching function



- > Connect RGB lights directly – without adapters
- > 8 light colours or colour changes can be pre-set manually: red, orange, yellow, green, cyan, blue, violet and magenta
- > With switching function

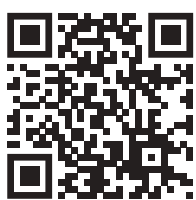
- > Area of application: For on/off switching and dimming (0-100 %) of RGB lights
- > Version: RGB, with switching function for 1 switch
- > Material: Plastic
- > Colour/finish: Black
- > Standby power consumption: 0.25 W
- > Dim. (L x W x H): 120 x 50 x 16 mm
- > Supplied with: 1 distributor including fixing material (adhesive tape and screws)



Note

A function button on the distributor is used to preselect (for all outputs together) from 8 light colours: Red, orange, yellow, green, cyan, blue, violet and magenta. The colour change can be pre-set with another push of a button (from red to red in an 80-second cycle).

| Voltage V | Max. connected wattage W | Cat. No. |
|--------------|-----------------------------|------------|
| 5 12V | 60 | 833.95.890 |
| 5 24V | 120 | 833.95.891 |



Video instructions

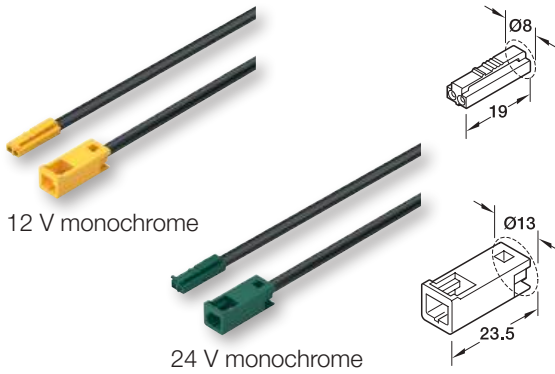
Extension leads

Häfele Loox5 extension leads

Maximum lead length from the Loox5 driver to the device is 10 m.

Long cable lengths in combination with large loads (strip light lengths) can result in voltage losses in the cable. These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver (12 V or 24 V).

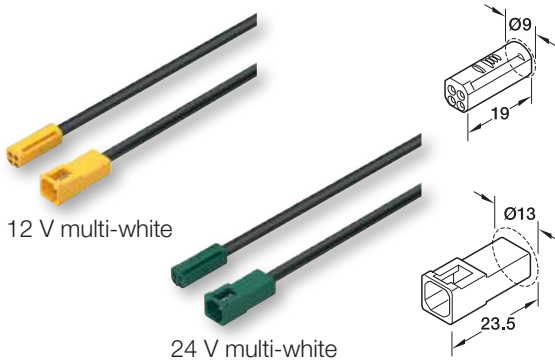
Häfele Loox5 extension leads monochrome



- > Area of application: For monochrome lights and other 2-pin devices and distributors
- > Material: Plastic
- > Current carrying capacity: Max. 5 A
- > Drill hole Ø: Plug 8 mm, socket 13 mm
- > Supplied with: 1 extension lead, 1 plug/1 socket

| Type of cable 20 | Voltage | 500 mm | 1000 mm | 2000 mm |
|----------------------------|---------|------------|------------|------------|
| Monochrome (2-wire 18 AWG) | 5 12V | 833.95.712 | 833.95.713 | 833.95.714 |
| | 5 24V | 833.95.719 | 833.95.718 | 833.95.717 |

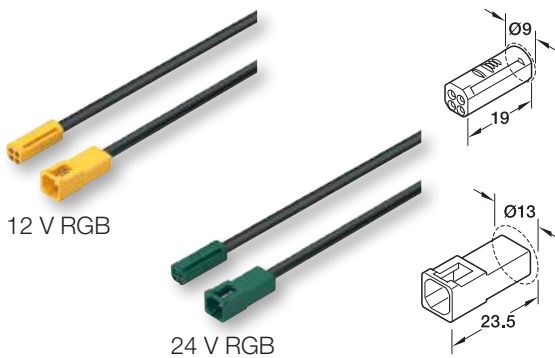
Häfele Loox5 extension leads multi-white



- > Area of application: For multi-white lights
- > Material: Plastic
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: Plug 9 mm, socket 13 mm
- > Supplied with: 1 extension lead, 1 plug/1 socket

| Type of cable | Voltage | 500 mm | 1000 mm | 2000 mm |
|-----------------------------|---------|------------|------------|------------|
| Multi-white (3-wire 20 AWG) | 5 12V | 833.95.934 | 833.95.937 | 833.95.715 |
| | 5 24V | 833.95.794 | 833.95.796 | 833.95.720 |

Häfele Loox5 extension leads RGB



- > Area of application: For RGB lights
- > Material: Plastic
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: Plug 9 mm, socket 13 mm
- > Supplied with: 1 extension lead, 1 plug/1 socket

| Type of cable | Voltage | 500 mm | 1000 mm | 2000 mm |
|---------------------|---------|--------|---------|------------|
| RGB (4-wire 20 AWG) | 5 12V | - | - | 833.95.716 |
| | 5 24V | - | - | 833.95.721 |

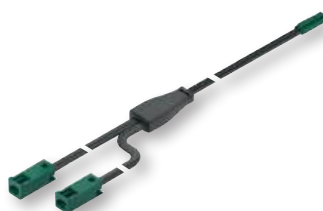
Extension leads

Y extension lead for Häfele Loox5 monochrome

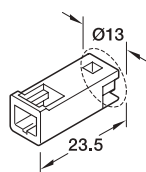
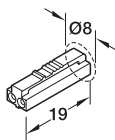
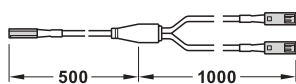
for Loox5 monochrome lights and distributors



12 V monochrome



24 V monochrome



- > Area of application: For monochrome lights and other 2-pin devices and distributors
- > Current carrying capacity: Max. 5 A
- > Drill hole Ø: Plug 8 mm, socket 13 mm
- > Supplied with: 1 extension lead
1 plug/2 sockets

| Type of cable | Voltage | Length mm | 2000 mm |
|----------------------------|---------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 12V | 1500 | 833.93.737 |
| | 5 24V | 1500 | 833.75.744 |

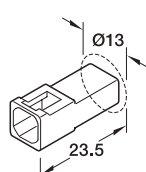
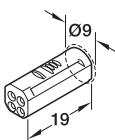
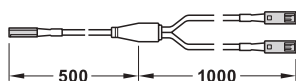
Y extension lead for Häfele Loox5 multi-white



12 V multi-white



24 V multi-white



- > Area of application: For multi-white lights
- > Material: Plastic
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: Plug 9 mm, socket 13 mm
- > Supplied with: 1 extension lead
1 plug/2 sockets

| Type of cable | Voltage | Length mm | 2000 mm |
|----------------------------|---------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 12V | 1500 | 833.93.738 |
| | 5 24V | 1500 | 833.93.739 |

Extension leads

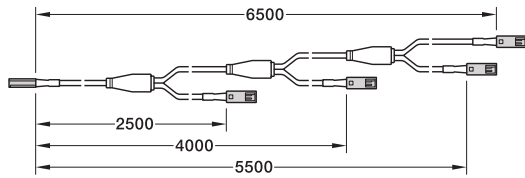
Häfele Loox5 4-way extension lead, monochrome



12 V monochrome



24 V monochrome



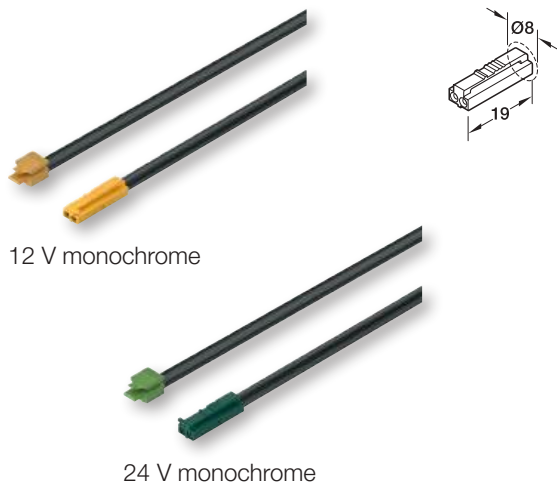
- > Area of application: For monochrome lights and other 2-pin devices and distributors
- > Current carrying capacity: Max. 5 A
- > Drill hole Ø: Plug 8 mm, socket 13 mm
- > Supplied with: 1 extension lead
1 plug/4 sockets

| Type of cable | Voltage | Length mm | 2000 mm |
|-------------------------------|---------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 12 V | 6500 | 833.95.742 |
| | 5 24 V | 6500 | 833.95.743 |

Leads

Modular

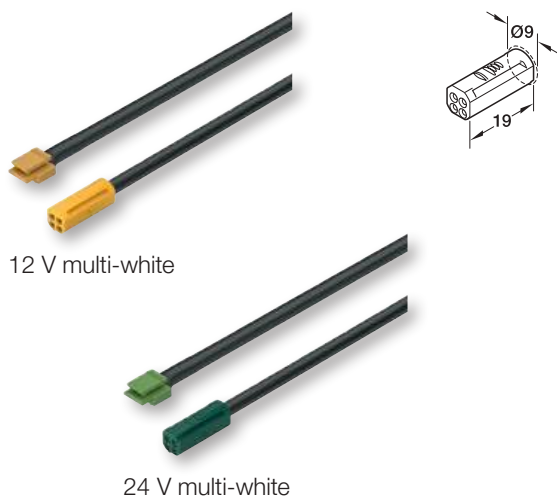
Häfele Loox5 lead for modular lights and other modular devices



- > Area of application: For monochrome lights and other 2-pin devices and distributors
- > Version: With snap-in connector
- > Drill hole Ø: Plug 8 mm
- > Supplied with: 1 lead plug/plug

| Type of cable | Current carrying capacity | Voltage | Length mm | Cat. No. |
|----------------------------|---------------------------|---------|-----------|------------|
| Monochrome (2-wire 24 AWG) | max. 1.5 A | 5 12V | 1000 | 833.95.789 |
| | | 5 24V | 2000 | 833.95.788 |
| | | 5 24V | 2000 | 833.95.791 |
| Monochrome (2-wire 18 AWG) | max. 5 A | 5 12V | 1000 | 833.95.831 |
| | | 5 12V | 2000 | 833.95.830 |
| | | 5 24V | 1000 | 833.95.836 |
| | | 5 24V | 2000 | 833.95.835 |

Häfele Loox5 lead for modular multi-white lights



- > Area of application: Modular multi-white lights
- > Version: With snap-in connector
- > Current carrying capacity: Max. 1.5 A
- > Drill hole Ø: Plug 9 mm
- > Supplied with: 1 lead plug/plug

| Type of cable | Voltage | Length mm | Cat. No. |
|-----------------------------|---------|-----------|------------|
| Multi-white (3-wire 24 AWG) | 5 12V | 2000 | 833.95.787 |
| | 5 24V | 2000 | 833.95.790 |

Switch leads

Häfele Loox extension lead for switches



- > Area of application: Switches and modular switches
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 extension lead plug/socket

| Length mm | Cat. No. |
|-----------|------------|
| 2000 | 833.89.067 |

! The maximum lead length of a switch is 6 m.

Häfele Loox lead, for modular switches



- > Area of application: Modular switches
- > Version: With snap-in connector
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

| Length mm | Cat. No. |
|-----------|------------|
| 500 | 833.89.140 |
| 1000 | 833.89.141 |
| 2000 | 833.89.142 |

Häfele Loox lead for multi boxes to switching input



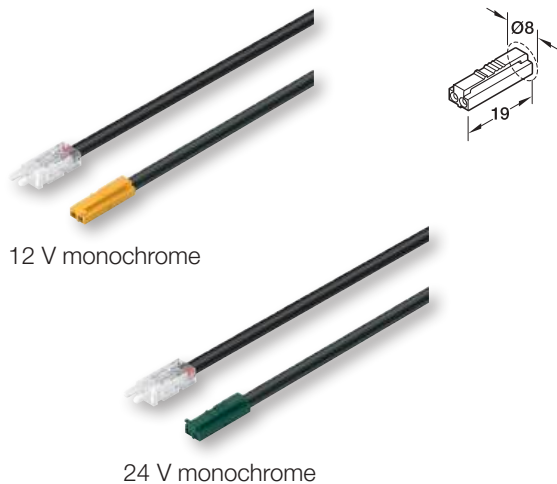
- > Area of application: Multi switch box and multi driver box
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

| Length mm | Cat. No. |
|-----------|------------|
| 500 | 833.89.068 |
| 2000 | 833.89.069 |

Leads

For LED strip light monochrome, 5 mm

Häfele Loox5 lead for LED strip light monochrome, 5 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 7 mm
- > Drill hole Ø: Plug 8 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|-------------------------------|---------|-----------|------------|
| Monochrome (2-wire 20 AWG) | 5 12V | 100 | 833.93.740 |
| | | 500 | 833.95.825 |
| | | 2000 | 833.95.705 |
| | 5 24V | 100 | 833.93.741 |
| | | 500 | 833.95.875 |
| | | 200 | 833.95.711 |

Häfele Loox5 interconnecting lead for LED strip light monochrome, 5 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 7 mm
- > Drill hole Ø: Clip 10 mm
- > Supplied with: 1 interconnecting lead clip/clip

| Type of cable | Length mm | Cat. No. |
|-------------------------------|-----------|------------|
| Monochrome (2-wire 20 AWG) | 50 | 833.89.194 |
| | 500 | 833.89.195 |
| | 2000 | 833.89.196 |

Häfele Loox5 clip connector for LED strip light monochrome, 5 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 7 mm
- > Drill hole Ø: Clip 10 mm
- > Supplied with: 10 clip connector

| Length mm | Cat. No. |
|-----------|------------|
| 33.5 | 833.89.207 |

Häfele Loox5 corner connector for LED strip light monochrome, 5 mm



- > Current carrying capacity: Max. 3.5 A
- > Supplied with: 10 corner connectors

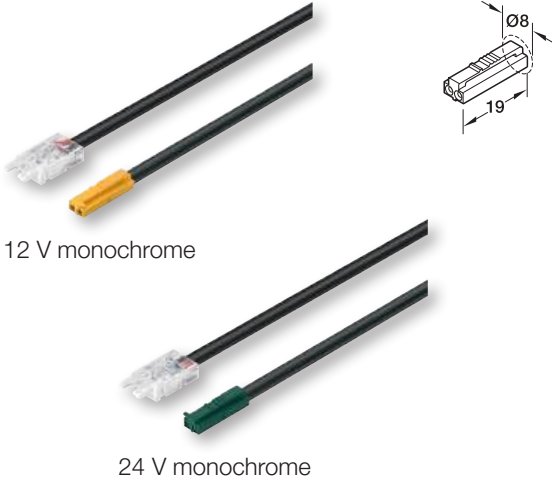
| Length mm | Width mm | Cat. No. |
|-----------|----------|------------|
| 21 | 21 | 833.89.190 |

Leads

For LED strip light monochrome, 8 mm

ALSO FOR
CONSTANT
CURRENT
STRIP
LIGHTS

Häfele Loox5 lead for LED strip light monochrome, 8 mm



- > Current carrying capacity: Max. 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Plug 8 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|-------------------------------|---------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 12V | 100 | 833.93.736 |
| | | 500 | 833.95.701 |
| | | 2000 | 833.95.700 |
| | 5 24V | 100 | 833.75.743 |
| | | 500 | 833.95.707 |
| | | 2000 | 833.95.706 |

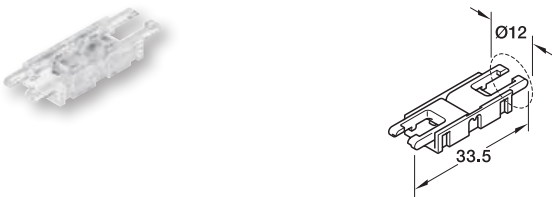
Häfele Loox5 interconnecting lead for LED strip light monochrome, 8 mm



- > Current carrying capacity: Max. 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 1 lead clip/clip

| Type of cable | Length mm | Cat. No. |
|-------------------------------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 50 | 833.89.191 |
| | 500 | 833.89.192 |
| | 2000 | 833.89.193 |

Häfele Loox5 clip connector for LED strip light monochrome, 8 mm



- > Current carrying capacity: Max. 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 10 clip connector

| Length mm | Cat. No. |
|-----------|------------|
| 33.5 | 833.89.206 |

Häfele Loox5 corner connector for LED strip light monochrome, 8 mm



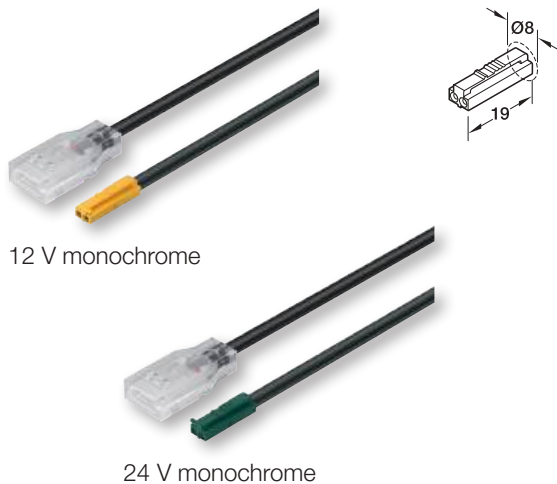
- > Current carrying capacity: Max. 5 A
- > Supplied with: 10 corner connectors

| Length mm | Width mm | Cat. No. |
|-----------|----------|------------|
| 24 | 24 | 833.89.187 |

Leads

For LED silicone strip light monochrome, 8 mm

Häfele Loox5 IP44 lead for LED silicone strip light, monochrome 8 mm



- > Current carrying capacity: Max. 5 A
- > Width: Silicone plug 15 mm
- > Drill hole Ø: Plug 8 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|-------------------------------|---------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 12V | 2000 | 833.95.703 |
| | 5 24V | 2000 | 833.95.709 |

Häfele Loox5 IP44 interconnecting lead for LED silicone strip light, monochrome 8 mm



- > Current carrying capacity: Max. 5 A
- > Width: Clip 15 mm
- > Drill hole Ø: Clamp 18 mm
- > Supplied with: 1 lead clip/clip

| Type of cable | Length mm | Cat. No. |
|-------------------------------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 50 | 833.89.203 |
| | 500 | 833.89.204 |
| | 2000 | 833.89.205 |

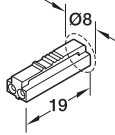
➔ Connections with degree of protection IP20 can be established with leads and clips from page 152 for the monochrome silicone strip light 8 mm.

Leads

For 8 mm COB monochrome LED strip light

ONLY FOR
COB STRIP
LIGHTS

Häfele Loox5 lead for 8 mm COB monochrome LED strip light

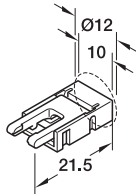


24 V monochrome COB

- > Usable for: Loox5 8 mm COB monochrome
- > Current carrying capacity: 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Plug 9 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|-------------------------------|------------------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 5 ^{24V} | 100 | 833.75.762 |
| | | 500 | 833.75.763 |
| | | 2000 | 833.75.764 |

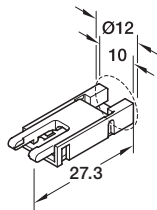
Häfele Loox5 interconnecting lead for 8 mm COB monochrome LED strip light



- > Usable for: Loox5 8 mm COB monochrome
- > Current carrying capacity: 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 1 lead clip/clip

| Type of cable | Length mm | Cat. No. |
|-------------------------------|-----------|------------|
| Monochrome (2-wire 18 AWG) | 50 | 833.75.765 |
| | 2000 | 833.75.766 |

Häfele Loox5 clip connector for 8 mm COB monochrome LED strip light



- > Usable for: Loox5 8 mm COB monochrome
- > Current carrying capacity: 5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 10 clip connector

| Length mm | Cat. No. |
|-----------|------------|
| 28 | 833.75.767 |

Leads

For LED strip light multi-white, 8 mm



Häfele Loox5 lead for LED strip light multi-white, 8 mm



12 V multi-white



24 V multi-white

- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Plug 9 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|--------------------------------|---------|-----------|------------|
| Multi-white (3-wire 20 AWG) | 5 12V | 2000 | 833.95.702 |
| | 5 24V | 2000 | 833.95.708 |

Häfele Loox5 interconnecting lead for LED strip light multi-white, 8 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 1 lead clip/clip

| Type of cable | Length mm | Cat. No. |
|--------------------------------|-----------|------------|
| Multi-white (3-wire 20 AWG) | 50 | 833.89.197 |
| | 500 | 833.89.198 |
| | 2000 | 833.89.199 |

Häfele Loox5 clip connector for LED strip light multi-white, 8 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 10 mm
- > Drill hole Ø: Clip 12 mm
- > Supplied with: 10 clip connector

| Length mm | Cat. No. |
|-----------|------------|
| 33.5 | 833.89.208 |

Häfele Loox5 corner connector for LED strip light multi-white, 8 mm



- > Current carrying capacity: Max. 3.5 A
- > Supplied with: 10 corner connectors

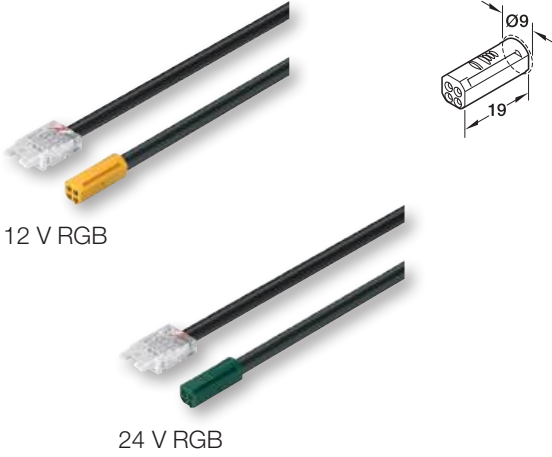
| Length mm | Width mm | Cat. No. |
|-----------|----------|------------|
| 24 | 24 | 833.89.188 |

Leads

For LED strip light RGB, 10 mm



Häfele Loox5 lead for LED strip light RGB, 10 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 12 mm
- > Drill hole Ø: Plug 9 mm
- > Supplied with: 1 lead plug/clip

| Type of cable | Voltage | Length mm | Cat. No. |
|------------------------|---------|-----------|------------|
| RGB (4-wire 20 AWG) | 5 12V | 2000 | 833.95.704 |
| | 5 24V | 2000 | 833.95.710 |

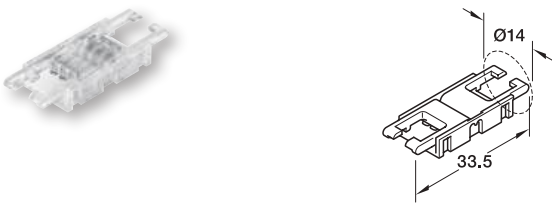
Häfele Loox5 interconnecting lead for LED strip light RGB, 10 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 12 mm
- > Drill hole Ø: Clip 14 mm
- > Supplied with: 1 lead clip/clip

| Type of cable | Length mm | Cat. No. |
|------------------------|-----------|------------|
| RGB (4-wire 20 AWG) | 50 | 833.89.200 |
| | 500 | 833.89.201 |
| | 2000 | 833.89.202 |

Häfele Loox5 clip connector for LED strip light RGB, 10 mm



- > Current carrying capacity: Max. 3.5 A
- > Width: Clip 12 mm
- > Drill hole Ø: Clip 14 mm
- > Supplied with: 10 clip connector

| Length mm | Cat. No. |
|-----------|------------|
| 33.5 | 833.89.209 |

Häfele Loox5 corner connector for LED strip light RGB, 10 mm

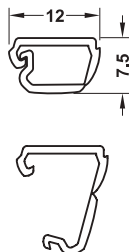


- > Current carrying capacity: Max. 3.5 A
- > Supplied with: 10 corner connectors

| Length mm | Width mm | Cat. No. |
|-----------|----------|------------|
| 26 | 26 | 833.89.189 |

Cable guide

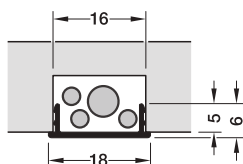
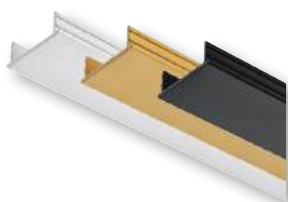
Häfele Loox cable channel



- > Dim. (L x W x H): 2500 x 12 x 7.5 mm
- > Application: Concealing visible cables in furniture and cabinets
- > Supplied with: 1 cable channel with adhesive tape

| Finish | Cat. No. |
|-----------------|-------------------|
| Black, RAL 9005 | 833.89.033 |
| Brown, RAL 8007 | 833.89.023 |
| White, RAL 9010 | 833.89.013 |

Häfele Loox cable cover



- > Material: Plastic
- > Length: 2500 mm
- > Application: For concealing visible cables in furniture and cabinets, for recess mounting
- > Supplied with: 1 profile

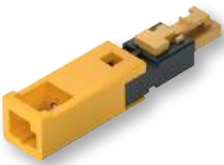
| Finish | Cat. No. |
|-----------------|-------------------|
| Black, RAL 9005 | 833.74.797 |
| Beige, RAL 1001 | 833.74.796 |
| White, RAL 9010 | 833.74.795 |



Adapter

Loox driver > Loox5 device

Adapter for devices with Loox5 plug for connecting to Loox driver



12 V: Loox5 socket/Loox plug



24 V: Loox5 socket/Loox plug

- > Area of application: For connecting Loox5 devices to Loox drivers or Loox distributors. Suitable for all devices with 2-pin Loox5 plug, e.g. monochrome lights, distributors, charging stations, etc.
- > Length: 45 mm
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: 13 mm
- > Packing: 6 piece

| Device | Power supply unit | Max. connected wattage W | Cat. No. |
|--------|-------------------|--------------------------|------------|
| 5 12V | 12V | max. 42 | 833.95.752 |
| 5 24V | 24V | max. 84 | 833.77.837 |

! Not suitable for 4-pin Loox5 plugs (multi-white or RGB). The current carrying capacity is limited to 3.5 A. Observe maximum wattage!

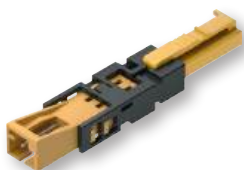
Adapter leads for LED strip lights with Loox5 clip for connecting to Loox driver or colour mixer

| Device | Power supply unit | Length mm | For LED strip light | Cat. No. |
|--------|-------------------|-----------|---------------------|------------|
| 5 12V | 12V | 2000 | monochrome 5 mm | 833.72.742 |
| | | | monochrome 8 mm | 833.72.716 |
| | | | multi-white 8 mm | 833.72.717 |
| | | | RGB 10 mm | 833.72.718 |
| 5 24V | 24V | 2000 | monochrome 5 mm | 833.75.732 |
| | | | monochrome 8 mm | 833.75.705 |
| | | | multi-white 8 mm | 833.75.706 |
| | | | RGB 10 mm | 833.75.707 |

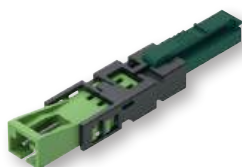
Adapter

Loox5 driver > Loox device

Adapter for devices with Loox plug for connecting to Loox5 driver



12 V: Loox socket/Loox5 plug



24 V: Loox socket/Loox5 plug

- > Area of application: For connecting Loox devices to Loox5 drivers or Loox5 distributors. Suitable for all devices with Loox plug, e.g. monochrome lights, distributors, charging stations, colour mixers for multi-white and RGB as well as electrically operated fittings, converters, etc.
- > Length: 50 mm
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: 12 mm
- > Packing: 6 piece

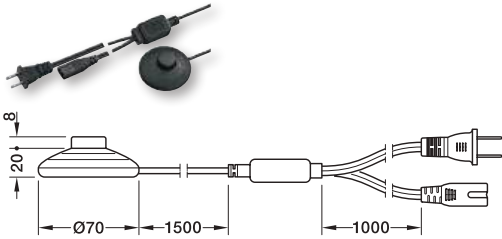
| Device | Power supply unit | Max. connected wattage W | Cat. No. |
|--------|-------------------|--------------------------|------------|
| 12 V | 5 12 V | max. 42 | 833.95.753 |
| 24 V | 5 24 V | max. 84 | 833.77.838 |

- ⚠ Not suitable for 3-pin Loox plugs (multi-white) or 4-pin Loox plugs (RGB).
The current carrying capacity is limited to 3.5 A.
Observe maximum wattage!

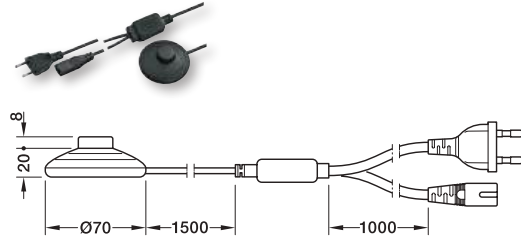
Mains leads

Mains lead, country-specific, C7 socket (small appliance plug)

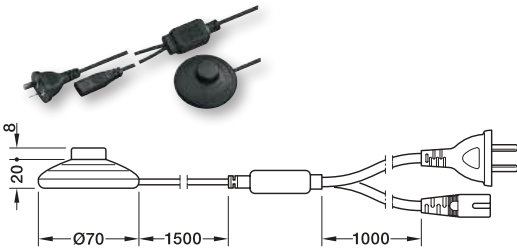
- > Material: Plastic
- > Colour: Black



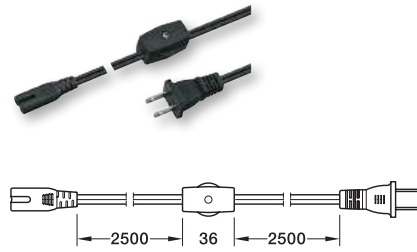
833.89.210 US



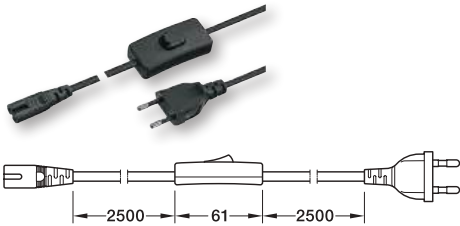
833.89.211 EU



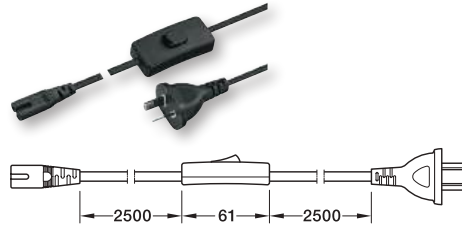
833.89.212 AU



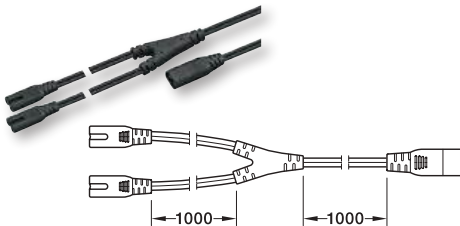
833.89.213 US



833.89.214 EU



833.89.215 AU



833.89.216 US

833.89.217 EU

833.89.218 AU



833.89.219 US

833.89.220 EU

833.89.221 AU

| | | Voltage V | Type of cable | Length mm | Version | Cat. No. |
|----|----|-----------|----------------------------------|-----------|--------------------|-------------------|
| II | US | 120 | AWG 18 2 x 0.824 mm ² | 2500 | With foot switch | 833.89.210 |
| | | | | 5000 | With manual switch | 833.89.213 |
| ⊖ | EU | 250 | 2 x 0.75 mm ² | 2500 | With foot switch | 833.89.211 |
| | | | | 5000 | With manual switch | 833.89.214 |
| ⊖ | AU | 250 | 2 x 0.75 mm ² | 2500 | With foot switch | 833.89.212 |
| | | | | 5000 | With manual switch | 833.89.215 |
| ⊖ | US | 120 | AWG 18 2 x 0.824 mm ² | 2000 | Y-extension | 833.89.216 |
| | EU | 250 | 2 x 0.75 mm ² | 2000 | Y-extension | 833.89.217 |
| | AU | 250 | 2 x 0.75 mm ² | 2000 | Y-extension | 833.89.218 |
| | US | 120 | AWG 18 2 x 0.824 mm ² | 2000 | Extension | 833.89.219 |
| | EU | 250 | 2 x 0.75 mm ² | 2000 | Extension | 833.89.220 |
| | US | 250 | 2 x 0.75 mm ² | 2000 | Extension | 833.89.221 |

Mains leads

Mains lead, country-specific, C7 socket (small appliance plug)



| Plug design | | | | | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Voltage (V) | 250 | 250 | 250 | 120 | 100 | 250 | 250 | 110 | 250 | 120 |
| Length (mm) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Material/colour | Plastic, black | | | | | | | | | |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.000 | 833.89.001 | 833.89.002 | 833.89.003 | 833.89.016 | 833.89.005 | 833.89.006 | 833.89.007 | 833.89.009 | 833.89.050 |

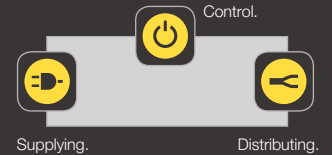
Mains lead, country-specific, C13 socket (cold appliance plug)



| Plug design | | | | | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Length (mm) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Material/colour | Plastic, black | | | | | | | | | |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.256 | 833.89.257 | 833.89.258 | 833.89.259 | 833.89.260 | 833.89.261 | 833.89.262 | 833.89.263 | 833.89.265 | 833.89.264 |

The driver makes the difference.

The choice is yours.



Light made easy.

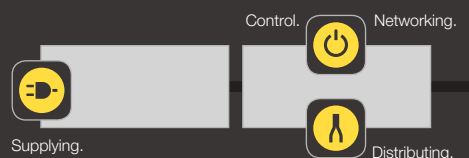
You want to use a small lighting system in a furniture item. The planning only includes a few lights and the connection is wired.

We have a reduced system for this.

It is based on a driver to which you can connect both the switch and the lights directly. This simplifies the set-up of your lighting system – but restricts your flexibility somewhat.

The reduced concept.

- > The driver takes over three functions.
 - Supply to the system.
 - Distribution to a maximum of 4 lights which can be plugged in directly.
 - Control of the system via the directly pluggable switch.
- > Life time 30,000 h.
- > Only suitable for lights.



Perfect for room light and furniture light.

Your light project requires light in several furniture items and/or in different rooms. You need a variety of lights, and would like to integrate different controllers.

The flexible system is the right choice in this case.

This system makes you completely open for individual customer requirements.

The flexible concept.

- > The driver is exclusively intended for providing a stable power supply.
- > With a life time of 50,000 hours during permanent operation, it is extremely durable.
- > The universal input voltage makes worldwide use possible.
- > You can connect one or more distributors to the driver in series (box to box concept).
- > Suitable for project applications.

Supplying

Häfele Loox5 drivers 12 V

| | |
|---|------------|
| Constant voltage 12 V | > Page 165 |
| Constant voltage 12 V for LED lighting, with integrated switching function | > Page 168 |



Häfele Loox5 drivers 24 V

| | |
|---|------------|
| Constant voltage 24 V | > Page 166 |
| Constant voltage 24 V for LED lighting, with integrated switching function | > Page 169 |
| Constant voltage 24 V, dimmable | > Page 170 |



Häfele Loox converter

| | |
|------------------------|------------|
| Converter 24 V to 12 V | > Page 171 |
| Converter 12 V to 24 V | > Page 171 |



Drivers

12 V

Häfele Loox5 driver constant voltage 12 V



- > Version: With overload protection
- > Colour: Black
- > Degree of protection: IP20
- > Output voltage: DC 12 V +/- 3 %
- > Number of connections: 1x socket Loox5 12 V
- > Life time: >50,000 hours
- > Supplied with: 1 driver with mounting accessories

| 5 12V | Output power W | Output current A | Mains voltage | Standby power consumption W | Dimensions (L x W x H) mm | Cat. No. |
|-------|-------------------|---------------------|-------------------------|--------------------------------|---------------------------------|------------|
| 1 | 20 | 1.67 | 100-240 V~; 50-60 HZ | 0.07 | 140 x 50 x 16 | 833.95.000 |
| | | | 220-240 V~; 50-60 HZ | 0.08 | 140 x 50 x 16 | 833.95.001 |
| 2 | 40 | 3.33 | 100-240 V~; 50-60 HZ | 0.12 | 191 x 60 x 16 | 833.95.002 |
| 3 | 60 | 5.00 | 100-240 V~; 50-60 HZ | 0.14 | 230 x 70 x 16 | 833.95.003 |

! 833.95.000 is only permitted for use outside the EU.

! Ambient temperature -25 °C to +45 °C (60 W: 40 °C)
Ensure that there is a sufficient air supply and circulation at the mounting location.
The life time is doubled with an ambient temperature of <30° C.

! Maximum lead length from the Loox5 driver to the device is 10 m. Long cable lengths in combination with large loads (strip light lengths) can result in voltage losses in the cable. These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver.
(12 V or 24 V).

Mains lead, country-specific, C7 socket (small appliance plug), 2 metre lead length

| Plug design | | | | | | | | | | |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.000 | 833.89.001 | 833.89.002 | 833.89.003 | 833.89.016 | 833.89.005 | 833.89.006 | 833.89.007 | 833.89.009 | 833.89.050 |

LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Drivers

24 V

Häfele Loox5 driver constant voltage 24 V



- > Version: With overload protection
- > Colour: Black
- > Degree of protection: IP20
- > Output voltage: DC 24 V +/- 3 %
- > Number of connections: 1x socket Loox5 24 V
- > Life time: >50,000 hours
- > Supplied with: 1 driver with mounting accessories

| 5 24 V | Output power W | Output current A | Mains voltage | Standby power consumption W | Dimensions (L x W x H) mm | Cat. No. |
|--------|-------------------|---------------------|-------------------------|--------------------------------|------------------------------|------------|
| 1 | 20 | 0.83 | 100-240 V~; 50-60 HZ | 0.11 | 140 x 50 x 16 | 833.95.008 |
| | | | 220-240 V~; 50-60 HZ | 0.10 | 140 x 50 x 16 | 833.95.009 |
| 2 | 40 | 1.67 | 100-240 V~; 50-60 HZ | 0.15 | 191 x 60 x 16 | 833.95.010 |
| 3 | 90 | 3.75 | 100-240 V~; 50-60 HZ | 0.21 | 316 x 70 x 16 | 833.95.011 |

! 833.95.008 is only approved for use outside the EU.

! Ambient temperature -25°C to +45°C
Ensure that there is a sufficient air supply and circulation at the mounting location.
The life time is doubled with an ambient temperature of <30° C.

! Maximum lead length from the Loox5 driver to the device is 10 m. Long cable lengths in combination with large loads (strip light lengths) can result in voltage losses in the cable. These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver.
(12 V or 24 V).

Mains lead, country-specific, C7 socket (small appliance plug), 2 metre lead length

| Plug design | | | | | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.000 | 833.89.001 | 833.89.002 | 833.89.003 | 833.89.016 | 833.89.005 | 833.89.006 | 833.89.007 | 833.89.009 | 833.89.050 |

Drivers

24 V

Häfele Loox5 driver constant voltage 24 V



1
Driver 240 W, 200-240 V~
833.95.012

EXTRA
POWER



2
Driver 270 W, 100-120 V~
833.95.022



- > Version: With overload protection
- > Colour: Black
- > Degree of protection: IP20
- > Standby power consumption: <0,5 W
- > Output voltage: DC 24 V +/- 3 %
- > Dim. (L x W x H): 234 x 75 x 38 mm
- > Life time: >50,000 hours
- > Supplied with: 1 driver with mounting accessories

| 5 24 V | Mains voltage | Output power | Output current | Number of connections Loox5 24 V | Cat. No. |
|--------|---------------|--------------|----------------|----------------------------------|----------|
| | | W | A | | |

200-240 V~: typical input voltage in UK, AU, EU, KR

| | | | | | |
|---|----------------------|---------------|-------|-----------|------------|
| 1 | 200-240 V~, 50-60 Hz | 240 (2 x 120) | 2 x 5 | 2x socket | 833.95.012 |
|---|----------------------|---------------|-------|-----------|------------|

100-120 V~: typical input voltage in US, JP, CN, TW

| | | | | | |
|---|----------------------|--------------|----------|-----------|------------|
| 2 | 100-120 V~, 50-60 Hz | 270 (3 x 90) | 3 x 3.75 | 3x socket | 833.95.022 |
|---|----------------------|--------------|----------|-----------|------------|

⚠ Please pay attention to the regional input voltage when choosing the driver!

⚠ Ambient temperature -25 °C to +45 °C (270 W: 40 °C)
Ensure that there is a sufficient air supply and circulation at the mounting location.
The life time is doubled with an ambient temperature of <30° C.

⚠ Maximum lead length from the Loox5 driver to the device is 10 m. Long cable lengths in combination with large loads (strip light lengths) can result in voltage losses in the cable. These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver. (12 V or 24 V).

Mains lead, country-specific, C7 socket (cold appliance plug), 2 metre lead length

| Plug design | | | | | | | | | | |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.256 | 833.89.257 | 833.89.258 | 833.89.259 | 833.89.260 | 833.89.261 | 833.89.262 | 833.89.263 | 833.89.265 | 833.89.264 |

Drivers

12 V – with switching function

Häfele Loox5 driver with switching function, constant voltage 12 V



Connection of distributors

- ① Distributor not directly compatible with box to box plug-in connection. Please order extension lead separately, see page 146.
- ② 6-way distributor with integrated lead (side 142), directly compatible.

- > With switching function
- > Extremely flat 16 mm
- > 12 V drivers with Loox5 generation plug system

- > Area of application: For LED lights (not suitable for other devices)
- > Version: With overload protection
- > Material: Plastic
- > Colour/finish: Black
- > Mains frequency: 50–60 Hz
- > Output voltage: 12 V DC ± 3%
- > Life time: 30,000 h
- > Mounting: For screw fixing, for glue fixing
- > Installation reference: Ensure that there is a sufficient air supply and circulation at the mounting location. Provide inspection opening.
- > Supplied with: 1 driver including fixing materials

| 5 12V | Mains voltage V | Output power W | Output current A | Standby power consumption W | Dimensions (L x W x H) mm | Cat. No. |
|--|--------------------|-------------------|---------------------|--------------------------------|------------------------------|-------------------|
| 220–240 V~: typical input voltage in UK, AU, EU, KR | | | | | | |
| ① | 220–240 | 20 | 1.67 | 0.20 | 138 x 50 x 16 | 833.72.933 |
| ② | | 40 | 3.33 | 0.50 | 190 x 60 x 16 | 833.72.935 |
| 100–127 V~: typical input voltage in US, JP, CN, TW | | | | | | |
| ① | 100–127 | 20 | 1.67 | 0.10 | 138 x 50 x 16 | 833.72.932 |
| ② | | 40 | 3.33 | 0.10 | 190 x 60 x 16 | 833.72.934 |

⚠ Please pay attention to the regional input voltage when choosing the driver!

⚠ **Note**
Please use Loox5 drivers with a life time of 50,000 hours for permanent operation.
 Maximum lead length from the Loox5 driver to the consumer: 10 m. Loss of voltage in cable due to long cable lengths in conjunction with large loads (strip light lengths). These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver (12 V or 24 V).

⚠ Ambient temperature –25 °C to +45 °C.
 Ensure that there is a sufficient air supply and circulation at the mounting location.

Mains lead, country-specific, C7 socket (small appliance plug), 2 metre lead length

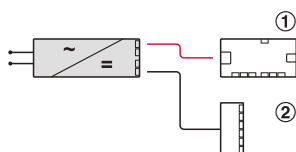
| Plug design | | | | | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.000 | 833.89.001 | 833.89.002 | 833.89.003 | 833.89.016 | 833.89.005 | 833.89.006 | 833.89.007 | 833.89.009 | 833.89.050 |

Drivers

24 V – with switching function



Häfele Loox5 driver with switching function, constant voltage 24 V



Connection of distributors

- ① Distributor not directly compatible with box to box plug-in connection. Please order extension lead separately, see page 146.
- ② 6-way distributor with integrated lead (page 142) directly compatible.

- > With switching function
- > Extremely flat 16 mm
- > 24 V drivers with Loox5 generation plug system

- > Area of application: For LED lights (not suitable for other devices)
- > Version: With overload protection
- > Material: Plastic
- > Colour/finish: Black
- > Mains frequency: 50–60 Hz
- > Output voltage: 24 V DC ± 3%
- > Switched outputs: 4 x sockets, Loox5 2-pin 24 V
- > Control inputs: 1 x socket, Loox switch
- > Life time: 30,000 h
- > Mounting: For screw fixing, for glue fixing
- > Installation reference: Ensure that there is a sufficient air supply and circulation at the mounting location. Provide inspection opening.
- > Supplied with: 1 driver including fixing materials

| 5 24 V | Mains voltage | Output power | Output current | Standby power consumption | Dimensions (L x W x H) | Cat. No. |
|--------|---------------|--------------|----------------|---------------------------|------------------------|----------|
| | V | W | A | W | mm | |

220–240 V~: typical input voltage in UK, AU, EU, KR

| | | | | | | |
|---|---------|----|------|------|---------------|-------------------|
| ① | 220–240 | 20 | 0.83 | 0.20 | 138 x 50 x 16 | 833.75.933 |
| ② | | 40 | 1.67 | 0.50 | 190 x 60 x 16 | 833.75.935 |

100–127 V~: typical input voltage in US, JP, CN, TW

| | | | | | | |
|---|---------|----|------|------|---------------|-------------------|
| ① | 100–127 | 20 | 0.83 | 0.10 | 138 x 50 x 16 | 833.75.932 |
| ② | | 40 | 1.67 | 0.10 | 190 x 60 x 16 | 833.75.934 |

⚠ Please pay attention to the regional input voltage when choosing the driver!

⚠ **Note**
Please use Loox5 drivers with a life time of 50,000 hours for permanent operation.
 Maximum lead length from the Loox5 driver to the consumer: 10 m. Loss of voltage in cable due to long cable lengths in conjunction with large loads (strip light lengths). These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver (12 V or 24 V).

⚠ Ambient temperature –25 °C to +45 °C.
 Ensure that there is a sufficient air supply and circulation at the mounting location.

Mains lead, country-specific, C7 socket (small appliance plug), 2 metre lead length

| Plug design | | | | | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Designation | UK | AU | EU | US | JP | CN | KR | TW | EU | US |
| Supplied with | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |
| Cat. No. | 833.89.000 | 833.89.001 | 833.89.002 | 833.89.003 | 833.89.016 | 833.89.005 | 833.89.006 | 833.89.007 | 833.89.009 | 833.89.050 |

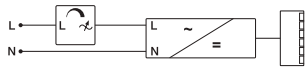
Power supply units

24 V – dimmable



Dimmable driver

Dimmable with leading-edge phase dimmer or trailing-edge phase dimmer



Connection diagram: leading-edge phase dimmer or trailing-edge phase dimmer connected to driver in series

- > Easy integration into house installation
- > Can be dimmed directly at the driver input

- > Version: Dimmable by leading-edge phase dimmer or trailing-edge phase dimmer, with overload protection, short circuit protection, temperature protection and overvoltage protection
- > Colour/finish: White
- > Mains voltage: 220–240 V
- > Mains frequency: 50–60 Hz
- > Output voltage: 24 V DC
- > Output voltage remark: ± 5 %
- > Inputs: 1 x socket, direct connection for screw fixing
- > Outputs: 6 x sockets, Loox5 2-pin 24 V
- > Life time: >30000 h
- > Mounting: For screw fixing
- > Installation reference: Only trained electricians with appropriate qualifications are permitted to install, start up and maintain the product.
- > Supplied with: 1 driver for direct connection, 1 Loox5 6-way distributor

| Technical data | 30 W |
|-------------------|-------------|
| Switch-on current | 20 A, 200µs |
| Efficiency factor | 0.95 |
| Efficiency | 83 % |
| Dimming range | 5–100 % |

The smallest dimming level is influenced by the phase angle of the dimmer.



Note

Maximum lead length from the Loox5 driver to the consumer: 10 m. Loss of voltage in cable due to long cable lengths in conjunction with large loads (strip light lengths). These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver.

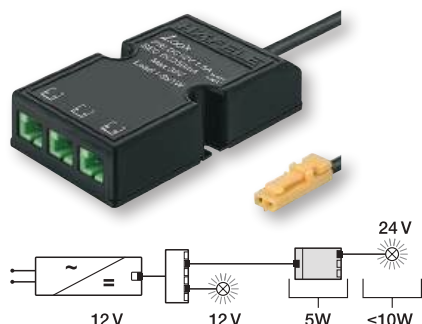
Intended use:

Connection of dimmable lights (not suitable for distributors with switching function or Connect Mesh, charging stations or sound systems)

| Voltage V | Output power W | Standby power consumption W | Ambient temperature °C | Dim. (L x W x H) mm | Cat. No. |
|-----------|----------------|-----------------------------|------------------------|---------------------|------------|
| 5 24 V | 30 | 2.00 | -20–45 | 145 x 50 x 22 | 833.77.976 |

Converters

Häfele Loox converter 24 V to 12 V – for connecting 24 V lights to the 12 V system



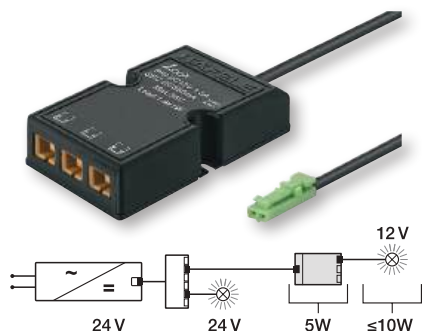
- > Application: Connecting 24 V lights to the 12 V system
- > Wattage: Input 15 W, output 10 W
- > Primary side: DC 12 V
- > Secondary side: DC 24 V
- > Number of output ports: 3 connections for 24 V lights
- > Supplied with: 1 converter with 200 mm lead

| Dimensions (L x W x H) mm | Standby power consumption W | Cat. No. |
|------------------------------|--------------------------------|-------------------|
| 61 x 34 x 15 | 0.3 | 833.77.934 |

12V 5 12V Loox5 12 V driver see page 165
Please order 6-piece adapter set 833.95.753 separately.

! Maximum possible connected rating of 10 W per converter.

Häfele Loox converter 12 V to 24 V – for connecting 12 V lights to the 24 V system



- > Application: Connecting 12 V lights to the 24 V system
- > Wattage: Input 15 W, output 10 W
- > Primary side: DC 24 V
- > Secondary side: DC 12 V
- > Number of output ports: 3 connections for 12 V lights
- > Supplied with: 1 converter with 200 mm lead

| Dimensions (L x W x H) mm | Standby power consumption W | Cat. No. |
|------------------------------|--------------------------------|-------------------|
| 61 x 34 x 15 | 0.3 | 833.74.947 |

24V 5 24V Loox5 24 V driver see page 166
Please order 6-piece adapter set 833.77.838 separately.

! Maximum possible connected rating of 10 W per converter.

Tool

Stripper



- > Stripping of contacts of Loox5 LED silicone strip lights for IP44 clips or larger areas for IP20 clips
- > Stripping and cutting of cables

- > Area of application: Suitable for removing the silicone sleeve from Loox5 LED strip lights, also suitable for cutting or stripping cables
- > Version: With fine adjustment and visual length measurement, with side cutting pliers up to 3 mm cable thickness and replaceable blades
- > Material: Plastic/metal
- > Colour/finish: Grey
- > Length: 175 mm
- > Packing: 1 piece

| | Cat. No. |
|----------|------------|
| Stripper | 006.13.485 |

Profile tool for Häfele Loox5 profile for recess mounting, profile 1107

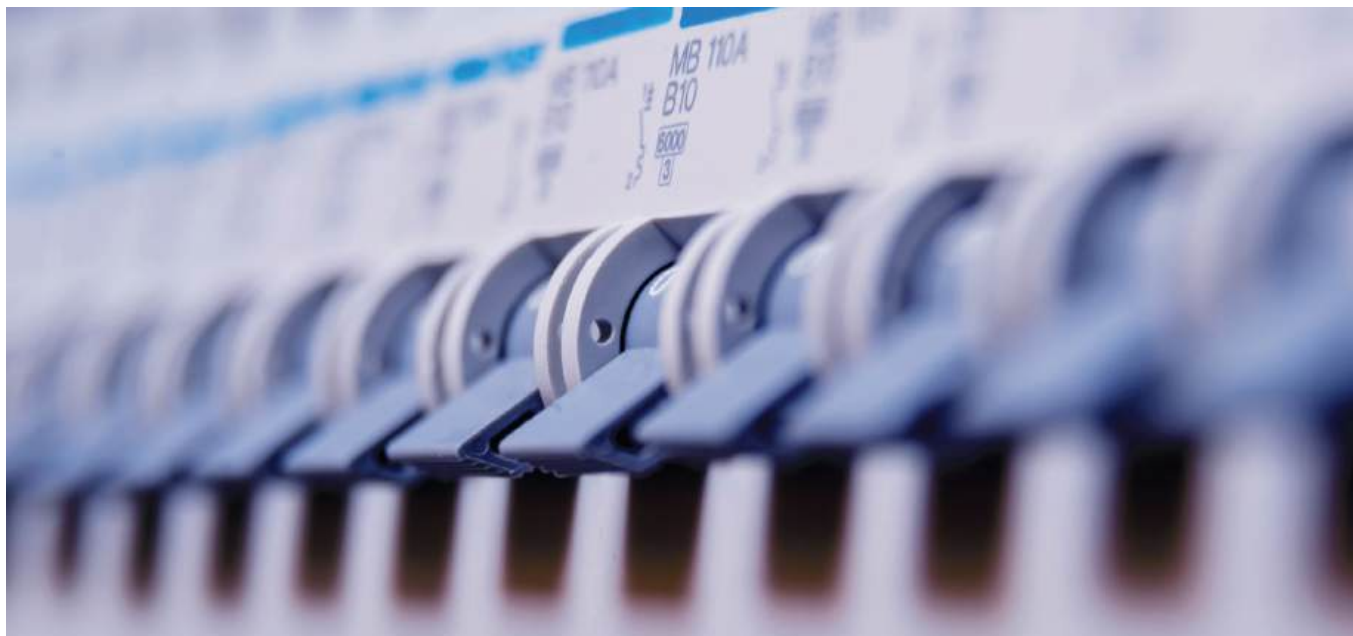


- > Area of application: For push fitting LED strip lights
- > Usable for: Häfele Loox5 profile for recess mounting, profile 1107
- > Length: 120 mm

| Material | Colour/finish | Cat. No. |
|----------|---------------|------------|
| Plastic | Grey | 833.72.799 |

Power supply units

Peak current technical data



When electronic devices are switched on, the input capacities are loaded, which leads to a higher switch-on current than in normal operation. The high switch-on current can trigger circuit breakers or fuses.

The peak value of the switch-on current pulse depends on the length and cross-section of the installed cables, the input voltage and the switch-on moment in relation to the sinusoidal mains voltage.

Table 1 shows the maximum number of LED drivers which can be connected to the listed single-phase power switches depending on their parameters.

The extreme case was used as the calculation basis: maximum input voltage of 240V +/-10%; minimum power impedance and switch-on moment during the peak of the mains voltage.

| Driver catalogue number | Wattage [W] | Peak current [A] | Time [µs] | MCB type B | | | | MCB type C | | | |
|-------------------------|-------------|------------------|-----------|------------|-----|-----|-----|------------|-----|-----|-----|
| | | | | 10A | 16A | 20A | 25A | 10A | 16A | 20A | 25A |
| 833.72.933 | 20 | 7 | 70 | 44 | 70 | 88 | 110 | 75 | 120 | 150 | 187 |
| 833.72.932 | 20 | 19 | 180 | 22 | 35 | 44 | 55 | 37 | 60 | 75 | 94 |
| 833.72.934 | 40 | 30 | 180 | 10 | 16 | 21 | 25 | 16 | 26 | 35 | 40 |
| 833.72.935 | 40 | 32 | 240 | 10 | 16 | 21 | 25 | 16 | 26 | 35 | 40 |
| 833.75.933 | 20 | 7 | 110 | 44 | 70 | 88 | 110 | 75 | 120 | 150 | 187 |
| 833.75.932 | 20 | 22 | 170 | 22 | 35 | 44 | 55 | 37 | 60 | 75 | 94 |
| 833.75.934 | 40 | 30 | 180 | 10 | 16 | 21 | 25 | 16 | 26 | 35 | 40 |
| 833.75.935 | 40 | 32 | 240 | 10 | 16 | 21 | 25 | 16 | 26 | 35 | 40 |
| 833.95.000 | 20 | 35 | 130 | 31 | 50 | 62 | 78 | 52 | 85 | 104 | 130 |
| 833.95.001 | 20 | 8 | 50 | 50 | 80 | 100 | 124 | 83 | 136 | 166 | 208 |
| 833.95.002 | 40 | 60 | 150 | 7 | 12 | 15 | 18 | 12 | 20 | 24 | 31 |
| 833.95.003 | 60 | 70 | 150 | 6 | 10 | 12 | 15 | 10 | 17 | 20 | 26 |
| 833.95.008 | 20 | 35 | 130 | 31 | 50 | 62 | 78 | 52 | 85 | 104 | 130 |
| 833.95.009 | 20 | 8 | 50 | 50 | 80 | 100 | 124 | 83 | 136 | 166 | 208 |
| 833.95.010 | 40 | 60 | 150 | 7 | 12 | 15 | 18 | 12 | 20 | 24 | 31 |
| 833.95.011 | 90 | 90 | 150 | 5 | 8 | 10 | 12 | 8 | 13 | 16 | 20 |
| 833.95.012 | 240 | 50 | 200 | 9 | 18 | 18 | 23 | 15 | 25 | 31 | 39 |











LED strip lights













Technical data, monochrome 5 mm / 8 mm

| | Voltage V | Model Häfele Loox5 | Quantity LEDs/m | Colour tem- pera- ture K | Illuminance lx Distance | | | | Watt- age W/m |
|--|--------------|--------------------------|--------------------|--------------------------------------|-------------------------------|--------|--------|---------|---------------------|
| | | | | | 250 mm | 500 mm | 750 mm | 1000 mm | |

LED strip lights monochrome, 5 mm

| | | | | | | | | | | |
|---|-------|----------|-----|------|------|---|-----|-----|-----|-----|
|  | 5 12V | LED 2060 | 120 | 2700 | 940 |  | 400 | 220 | 135 | 4.8 |
| | | | | 3000 | 970 | | 420 | 235 | 145 | 4.8 |
| | | | | 4000 | 1000 | | 430 | 240 | 145 | 4.8 |
| | | | | 5000 | 1030 | | 430 | 240 | 145 | 4.8 |
|  | 5 12V | LED 2061 | 120 | 2700 | 1860 |  | 790 | 440 | 270 | 9.6 |
| | | | | 3000 | 1960 | | 850 | 470 | 290 | 9.6 |
| | | | | 4000 | 2000 | | 860 | 480 | 290 | 9.6 |
| | | | | 5000 | 2060 | | 860 | 480 | 290 | 9.6 |
|  | 5 24V | LED 3040 | 120 | 2700 | 940 |  | 400 | 220 | 135 | 4.8 |
| | | | | 3000 | 970 | | 420 | 235 | 145 | 4.8 |
| | | | | 4000 | 1000 | | 430 | 240 | 145 | 4.8 |
| | | | | 5000 | 1030 | | 430 | 240 | 145 | 4.8 |
|  | 5 24V | LED 3041 | 120 | 2700 | 1860 |  | 790 | 440 | 270 | 9.6 |
| | | | | 3000 | 1960 | | 850 | 470 | 290 | 9.6 |
| | | | | 4000 | 2000 | | 860 | 480 | 290 | 9.6 |
| | | | | 5000 | 2060 | | 860 | 480 | 290 | 9.6 |

LED strip lights monochrome, 8 mm

| | | | | | | | | | | |
|---|-------|----------|-----|------|------|---|------|-----|-----|------|
|  | 5 12V | LED 2062 | 60 | 2700 | 1050 |  | 435 | 240 | 145 | 4.8 |
| | | | | 3000 | 1090 | | 455 | 245 | 150 | 4.8 |
| | | | | 4000 | 1120 | | 460 | 260 | 155 | 4.8 |
| | | | | 5000 | 1130 | | 470 | 260 | 160 | 4.8 |
|  | 5 12V | LED 2065 | 120 | 2700 | 1050 |  | 435 | 240 | 145 | 4.8 |
| | | | | 3000 | 1090 | | 455 | 245 | 150 | 4.8 |
| | | | | 4000 | 1120 | | 460 | 260 | 155 | 4.8 |
| | | | | 5000 | 1130 | | 470 | 260 | 160 | 4.8 |
|  | 5 12V | LED 2068 | 120 | 2700 | 2145 |  | 900 | 480 | 300 | 9.6 |
| | | | | 3000 | 2250 | | 940 | 505 | 310 | 9.6 |
| | | | | 4000 | 2300 | | 950 | 510 | 320 | 9.6 |
| | | | | 5000 | 2300 | | 955 | 515 | 320 | 9.6 |
|  | 5 24V | LED 3042 | 120 | 2700 | 1050 |  | 435 | 240 | 145 | 4.8 |
| | | | | 3000 | 1090 | | 455 | 245 | 150 | 4.8 |
| | | | | 4000 | 1120 | | 460 | 260 | 155 | 4.8 |
| | | | | 5000 | 1130 | | 470 | 260 | 160 | 4.8 |
|  | 5 24V | LED 3045 | 120 | 2700 | 2145 |  | 900 | 480 | 300 | 9.6 |
| | | | | 3000 | 2250 | | 940 | 505 | 310 | 9.6 |
| | | | | 4000 | 2300 | | 950 | 510 | 320 | 9.6 |
| | | | | 5000 | 2300 | | 955 | 515 | 320 | 9.6 |
|  | 5 24V | LED 3048 | 120 | 2700 | 2870 |  | 1210 | 665 | 415 | 14.4 |
| | | | | 3000 | 3000 | | 1270 | 695 | 430 | 14.4 |
| | | | | 4000 | 3100 | | 1310 | 715 | 445 | 14.4 |
| | | | | 5000 | 3100 | | 1320 | 715 | 450 | 14.4 |

| Luminous flux lm/m | Luminous efficiency lm/W | Section length mm | Colour rendering index CRI | | Available length | | | Max. strip length (visual) m | Max. strip length wattage-dependent m on the Loox5 driver per slot | | | | |
|-----------------------|-----------------------------|----------------------|----------------------------|----------------|------------------|------------|------------|---------------------------------|---|------|-------|-------|--------|
| | | | R _a | R ₉ | 5 m | 15 m | 50 m | | 20 W | 40 W | 60 W | 90W | 120 W* |
| | | | | | | | | | Current carrying capacity of strip light: 3.5 A | | | | |
| 440 | 92 | 25 | >90 | >50 | 833.74.320 | 833.74.324 | - | 4.0 | 4.10 | 8.30 | 8.75 | - | - |
| 460 | 96 | 25 | >90 | >50 | 833.74.321 | 833.74.325 | - | 4.0 | | | | | |
| 480 | 100 | 25 | >90 | >50 | 833.74.322 | 833.74.326 | - | 4.0 | | | | | |
| 495 | 103 | 25 | >90 | >50 | 833.74.323 | 833.74.327 | - | 4.0 | | | | | |
| 870 | 91 | 25 | >90 | >50 | 833.74.328 | 833.74.332 | - | 3.0 | 2.00 | 4.10 | 4.375 | - | - |
| 930 | 97 | 25 | >90 | >50 | 833.74.329 | 833.74.333 | - | 3.0 | | | | | |
| 955 | 99 | 25 | >90 | >50 | 833.74.330 | 833.74.334 | - | 3.0 | | | | | |
| 990 | 103 | 25 | >90 | >50 | 833.74.331 | 833.74.335 | - | 3.0 | | | | | |
| 440 | 92 | 50 | >90 | >50 | 833.76.300 | 833.76.304 | - | 8.0 | 4.10 | 8.30 | - | 17.5 | 17.5 |
| 460 | 96 | 50 | >90 | >50 | 833.76.301 | 833.76.305 | - | 8.0 | | | | | |
| 480 | 100 | 50 | >90 | >50 | 833.76.302 | 833.76.306 | - | 8.0 | | | | | |
| 495 | 103 | 50 | >90 | >50 | 833.76.303 | 833.76.307 | - | 8.0 | | | | | |
| 870 | 91 | 50 | >90 | >50 | 833.76.308 | 833.76.312 | - | 5.5 | 2.00 | 4.10 | - | 8.75 | 8.75 |
| 930 | 97 | 50 | >90 | >50 | 833.76.309 | 833.76.313 | - | 5.5 | | | | | |
| 955 | 99 | 50 | >90 | >50 | 833.76.310 | 833.76.314 | - | 5.5 | | | | | |
| 990 | 103 | 50 | >90 | >50 | 833.76.311 | 833.76.315 | - | 5.5 | | | | | |
| | | | | | | | | | Current carrying capacity of strip light: 5 A | | | | |
| 440 | 92 | 50 | >90 | >50 | 833.74.336 | - | 833.74.340 | 6.0 | 4.10 | 8.30 | 12.50 | - | - |
| 465 | 97 | 50 | >90 | >50 | 833.74.337 | - | 833.74.341 | 6.0 | | | | | |
| 490 | 102 | 50 | >90 | >50 | 833.74.338 | - | 833.74.342 | 6.0 | | | | | |
| 495 | 103 | 50 | >90 | >50 | 833.74.339 | - | 833.74.343 | 6.0 | | | | | |
| 440 | 92 | 25 | >90 | >50 | 833.74.354 | - | 833.74.358 | 6.0 | 4.10 | 8.30 | 12.50 | - | - |
| 465 | 97 | 25 | >90 | >50 | 833.74.355 | - | 833.74.359 | 6.0 | | | | | |
| 490 | 102 | 25 | >90 | >50 | 833.74.356 | - | 833.74.360 | 6.0 | | | | | |
| 495 | 103 | 25 | >90 | >50 | 833.74.357 | - | 833.74.361 | 6.0 | | | | | |
| 920 | 96 | 25 | >90 | >50 | 833.74.362 | - | 833.74.366 | 4.0 | 2.00 | 4.10 | 6.20 | - | - |
| 970 | 101 | 25 | >90 | >50 | 833.74.363 | - | 833.74.367 | 4.0 | | | | | |
| 1000 | 104 | 25 | >90 | >50 | 833.74.364 | - | 833.74.368 | 4.0 | | | | | |
| 1040 | 108 | 25 | >90 | >50 | 833.74.365 | - | 833.74.369 | 4.0 | | | | | |
| 440 | 92 | 50 | >90 | >50 | 833.76.316 | - | 833.76.320 | 12.0 | 4.10 | 8.30 | - | 18.70 | 25 |
| 465 | 97 | 50 | >90 | >50 | 833.76.317 | - | 833.76.321 | 12.0 | | | | | |
| 490 | 102 | 50 | >90 | >50 | 833.76.318 | - | 833.76.322 | 12.0 | | | | | |
| 495 | 103 | 50 | >90 | >50 | 833.76.319 | - | 833.76.323 | 12.0 | | | | | |
| 920 | 96 | 50 | >90 | >50 | 833.76.334 | - | 833.76.338 | 8.0 | 2.00 | 4.10 | - | 9.30 | 12.5 |
| 970 | 101 | 50 | >90 | >50 | 833.76.335 | - | 833.76.339 | 8.0 | | | | | |
| 1000 | 104 | 50 | >90 | >50 | 833.76.336 | - | 833.76.340 | 8.0 | | | | | |
| 1040 | 108 | 50 | >90 | >50 | 833.76.337 | - | 833.76.341 | 8.0 | | | | | |
| 1270 | 88 | 50 | >90 | >50 | 833.76.352 | - | 833.76.356 | 6.2 | 1.30 | 2.70 | - | 6.20 | 8.3 |
| 1305 | 91 | 50 | >90 | >50 | 833.76.353 | - | 833.76.357 | 6.2 | | | | | |
| 1340 | 93 | 50 | >90 | >50 | 833.76.354 | - | 833.76.358 | 6.2 | | | | | |
| 1430 | 99 | 50 | >90 | >50 | 833.76.355 | - | 833.76.359 | 6.2 | | | | | |







* 240 W driver (2 slots with 120 W each)

LED strip lights






Technical data, monochrome constant current 8 mm / silicone 8 mm

| | Voltage V | Model Häfele Loox5 | Quantity LEDs/m | Colour tem- pera- ture K | Illuminance lx Distance | | | | Watt- age W/m |
|--|--------------|--------------------------|--------------------|--------------------------------------|-------------------------------|--------|--------|---------|---------------------|
| | | | | | 250 mm | 500 mm | 750 mm | 1000 mm | |





LED strip lights monochrome constant current 8 mm

| | | | | | | | | | | |
|---|----------|----------|------|------|---|---|------|------|------|------|
|  | 5 12V | LED 2077 | 120 | 2700 | 1775 |  | 760 | 425 | 265 | 9.6 |
| | | | | 3000 | 1850 | | 790 | 440 | 270 | 9.6 |
| | | | | 4000 | 1950 | | 830 | 465 | 285 | 9.6 |
| | | | | 5000 | 1950 | | 830 | 465 | 285 | 9.6 |
|  | 5 24V | LED 3050 | 140 | 2700 | 2050 |  | 890 | 490 | 305 | 9.6 |
| | | | | 3000 | 2150 | | 930 | 520 | 325 | 9.6 |
| | | | | 4000 | 2205 | | 990 | 545 | 335 | 9.6 |
| | LED 3051 | 140 | 2700 | 3150 |  | 1365 | 760 | 470 | 14.4 | |
| | | | 3000 | 3170 | | 1385 | 770 | 480 | 14.4 | |
| | | | 4000 | 3190 | | 1390 | 770 | 480 | 14.4 | |
| | LED 3052 | 140 | 2700 | 4070 |  | 1750 | 970 | 600 | 19.2 | |
| | | | 3000 | 4160 | | 1780 | 990 | 620 | 19.2 | |
| | | | 4000 | 4220 | | 1800 | 1000 | 625 | 19.2 | |
| | | | | 5000 | 4260 | | 1840 | 1020 | 630 | 19.2 |

LED silicone strip lights monochrome, 8 mm (4.8 x 10 mm silicone sleeve)

| | | | | | | | | | | | |
|---|----------|----------|------|------|---|---|-----|-----|-----|-----|-----|
|  | 5 12V | LED 2063 | 60 | 2700 | 920 |  | 390 | 215 | 135 | 4.8 | |
| | | | | 3000 | 960 | | 410 | 225 | 140 | 4.8 | |
| | | | | 4000 | 975 | | 415 | 230 | 145 | 4.8 | |
| | | | | 5000 | 1010 | | 425 | 235 | 145 | 4.8 | |
|  | 5 24V | LED 3043 | 120 | 2700 | 920 |  | 390 | 215 | 135 | 4.8 | |
| | | | | 3000 | 960 | | 410 | 225 | 140 | 4.8 | |
| | | | | 4000 | 975 | | 415 | 230 | 145 | 4.8 | |
| | LED 3046 | 120 | 2700 | 1855 |  | 790 | 435 | 270 | 9.6 | | |
| | | | 3000 | 1895 | | 805 | 445 | 275 | 9.6 | | |
| | | | 4000 | 1960 | | 840 | 465 | 290 | 9.6 | | |
| | | | | | 5000 | 2020 | | 860 | 475 | 295 | 9.6 |

LED silicone strip lights monochrome (4 x 10 mm silicone sleeve)

| | | | | | | | | | | |
|---|-------|----------|-----|-------------|------------|---|------------|------------|-----------|------------|
|  | 5 12V | LED 2099 | 120 | 2700 | 820 |  | 190 | 85 | 50 | 9.6 |
| | | | | 3000 | 840 | | 195 | 90 | 50 | 9.6 |
| | | | | 4000 | 845 | | 205 | 100 | 55 | 9.6 |
| | | | | 5000 | 860 | | 215 | 100 | 55 | 9.6 |
|  | 5 24V | LED 3099 | 120 | 2700 | 820 |  | 190 | 85 | 50 | 9.6 |
| | | | | 3000 | 840 | | 195 | 90 | 50 | 9.6 |
| | | | | 4000 | 845 | | 205 | 100 | 55 | 9.6 |
| | | | | 5000 | 850 | | 215 | 100 | 55 | 9.6 |

| Luminous flux lm/m | Luminous efficiency lm/W | Section length mm | Colour rendering index CRI | | Available length | | | Max. strip length (visual) m | Max. strip length wattage-dependent m on the Loox5 driver per slot | | | | |
|-----------------------|-----------------------------|----------------------|----------------------------|----------------|----------------------|-------------------|-------------------|---------------------------------|--|------|-------|-------|--------|
| | | | R _a | R ₉ | 5 m | 15 m | 50 m | | 20 W | 40 W | 60 W | 90W | 120 W* |
| | | | | | | | | | Current carrying capacity of strip light: 5 A | | | | |
| 810 | 84 | 25 | >90 | >50 | 833.74.372 | – | 833.74.376 | 6.2 | 2.00 | 4.10 | 6.20 | – | – |
| 860 | 90 | 25 | >90 | >50 | 833.74.373 | – | 833.74.377 | 6.2 | | | | | |
| 900 | 94 | 25 | >90 | >50 | 833.74.374 | – | 833.74.378 | 6.2 | | | | | |
| 905 | 94 | 25 | >90 | >50 | 833.74.375 | – | 833.74.379 | 6.2 | | | | | |
| 945 | 98 | 50 | >90 | >50 | 833.76.362 | – | 833.76.366 | 9.0 | 2.00 | 4.10 | – | 9.30 | 12.5 |
| 1030 | 107 | 50 | >90 | >50 | 833.76.363 | – | 833.76.367 | 9.0 | | | | | |
| 1060 | 110 | 50 | >90 | >50 | 833.76.364 | – | 833.76.368 | 9.0 | | | | | |
| 1080 | 113 | 50 | >90 | >50 | 833.76.365 | – | 833.76.369 | 9.0 | | | | | |
| 1430 | 99 | 50 | >90 | >50 | 833.76.370 | – | 833.76.374 | 6.2 | 1.30 | 2.70 | – | 6.20 | 8.3 |
| 1520 | 106 | 50 | >90 | >50 | 833.76.371 | – | 833.76.375 | 6.2 | | | | | |
| 1605 | 111 | 50 | >90 | >50 | 833.76.372 | – | 833.76.376 | 6.2 | | | | | |
| 1650 | 115 | 50 | >90 | >50 | 833.76.373 | – | 833.76.377 | 6.2 | | | | | |
| 1850 | 96 | 50 | >90 | >50 | 833.76.378 | – | 833.76.382 | 4.6 | 1.00 | 2.00 | – | 4.60 | 6.25 |
| 2015 | 105 | 50 | >90 | >50 | 833.76.379 | – | 833.76.383 | 4.6 | | | | | |
| 2050 | 107 | 50 | >90 | >50 | 833.76.380 | – | 833.76.384 | 4.6 | | | | | |
| 2100 | 109 | 50 | >90 | >50 | 833.76.381 | – | 833.76.385 | 4.6 | | | | | |
| | | | | | | | | | Current carrying capacity of strip light: 5 A | | | | |
| 415 | 86 | 50 | >90 | >50 | 833.74.344 | 833.74.348 | – | 6.0 | 4.10 | 8.30 | 12.50 | – | – |
| 440 | 92 | 50 | >90 | >50 | 833.74.345 | 833.74.349 | – | 6.0 | | | | | |
| 455 | 95 | 50 | >90 | >50 | 833.74.346 | 833.74.350 | – | 6.0 | | | | | |
| 460 | 96 | 50 | >90 | >50 | 833.74.347 | 833.74.351 | – | 6.0 | | | | | |
| 415 | 86 | 50 | >90 | >50 | 833.76.324 | 833.76.328 | – | 12.0 | 4.10 | 8.30 | – | 18.70 | 25 |
| 440 | 92 | 50 | >90 | >50 | 833.76.325 | 833.76.329 | – | 12.0 | | | | | |
| 455 | 95 | 50 | >90 | >50 | 833.76.326 | 833.76.330 | – | 12.0 | | | | | |
| 460 | 96 | 50 | >90 | >50 | 833.76.327 | 833.76.331 | – | 12.0 | | | | | |
| 820 | 85 | 50 | >90 | >50 | 833.76.342 | 833.76.346 | – | 8.0 | 2.00 | 4.10 | – | 9.30 | 12.5 |
| 870 | 91 | 50 | >90 | >50 | 833.76.343 | 833.76.347 | – | 8.0 | | | | | |
| 900 | 94 | 50 | >90 | >50 | 833.76.344 | 833.76.348 | – | 8.0 | | | | | |
| 930 | 97 | 50 | >90 | >50 | 833.76.345 | 833.76.349 | – | 8.0 | | | | | |
| | | | | | Available length 3 m | | | | | | | | |
| | | | | | | | | | Current carrying capacity of strip light: 5 A | | | | |
| 550 | 52 | 25 | 90 | >50 | 833.74.260 | | | 3.0 | 2.0 | 4.25 | 6.25 | – | – |
| 520 | 54 | 25 | 90 | >50 | 833.74.261 | | | 3.0 | | | | | |
| 540 | 56 | 25 | 90 | >50 | 833.74.262 | | | 3.0 | | | | | |
| 540 | 56 | 25 | 90 | >50 | 833.74.263 | | | 3.0 | | | | | |
| 500 | 52 | 25 | 90 | >50 | 833.75.260 | | | 3.0 | 2.0 | 4.25 | – | 9.375 | 12.5 |
| 520 | 54 | 25 | 90 | >50 | 833.75.261 | | | 3.0 | | | | | |
| 540 | 56 | 25 | 90 | >50 | 833.75.262 | | | 3.0 | | | | | |
| 540 | 56 | 25 | 90 | >50 | 833.75.263 | | | 3.0 | | | | | |



* 240 W driver (2 slots with 120 W each)

LED strip lights




Technical data, COB monochrome 8 mm / multi-white 8 mm / RGB 10 mm

| | Volt- age | Model Häfele Loox5 | Quan- tity | Colour tem- pera- ture K | Illuminance lx Distance | | | | Watt- age |
|--|--------------|--------------------------|---------------|--------------------------------------|-------------------------------|--------|--------|---------|--------------|
| | | | | | 250 mm | 500 mm | 750 mm | 1000 mm | |


 LED strip lights COB monochrome, 8 mm

| | | | | | | | | | | |
|---|--------|----------|-----|------|------|---|-----|-----|-----|-----|
|  | 5 24 V | LED 3069 | 480 | 2700 | 2015 |  | 510 | 225 | 125 | 8.0 |
| | | | | 3000 | 2110 | | 530 | 235 | 130 | |
| | | | | 4000 | 2270 | | 550 | 244 | 140 | |
| | | | | 5000 | 2485 | | 620 | 270 | 150 | |
| | | | | | | | | | | |

 LED strip lights multi-white, 8 mm

| | | | | | | | | | | |
|---|--------|----------|---------|------|------|--|------|-----|-----|------|
|  | 5 12 V | LED 2064 | 2 x 60 | 2700 | 1025 | | 425 | 230 | 145 | 4.8 |
| | | | | 5000 | 1075 | | 445 | 245 | 150 | |
|  | 5 12 V | LED 2070 | 2 x 120 | 2700 | 1865 | | 785 | 430 | 270 | 9.6 |
| | | | | 5000 | 2045 | | 865 | 475 | 295 | |
|  | 5 24 V | LED 3044 | 2 x 120 | 2700 | 1025 | | 425 | 230 | 145 | 4.8 |
| | | | | 5000 | 1075 | | 445 | 245 | 150 | |
| | 5 24 V | LED 3047 | 2 x 120 | 2700 | 1865 | | 785 | 430 | 270 | 9.6 |
| | | | | 5000 | 2045 | | 865 | 475 | 295 | |
| | 5 24 V | LED 3049 | 2 x 120 | 2700 | 2780 | | 1180 | 650 | 405 | 14.4 |
| | | | | 5000 | 2800 | | 1200 | 660 | 415 | |

 LED strip lights RGB, 10 mm

| | | | | | | | | | |
|---|--------|----------|-----|-----|---|---|---|---|-----|
|  | 5 12 V | LED 2080 | 120 | RGB | - | - | - | - | 9.6 |
| | 5 24 V | LED 3080 | 120 | RGB | - | - | - | - | 9.6 |

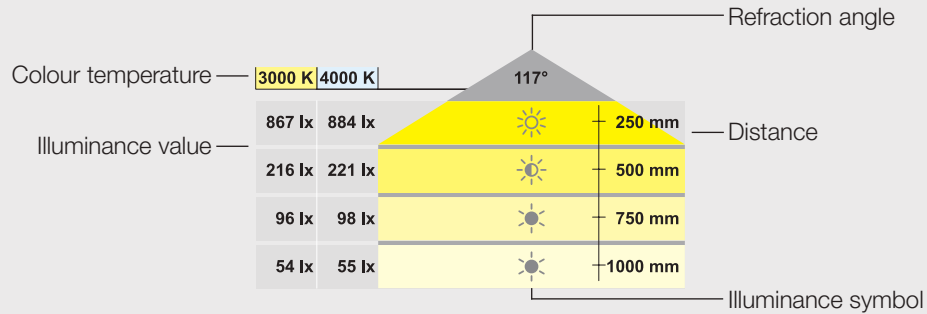
| Luminous flux lm/m | Luminous efficiency lm/W | Section length mm | Colour rendering index CRI | | Available length | | Max. strip length (visual) m | Max. strip length wattage-dependent m on the Loox5 driver per slot | | | | |
|-----------------------|-----------------------------|----------------------|----------------------------|----------------|-------------------|-------------------|---------------------------------|--|------|-------|-------|--------|
| | | | R _a | R ₉ | 5 m | 50 m | | 20 W | 40 W | 60 W | 90W | 120 W* |
| | | | | | | | | Current carrying capacity of strip light: 5 A | | | | |
| 565 | 71 | 50 | >90 | >50 | 833.76.391 | - | 5.0 | 2.50 | 5.00 | - | 11.25 | 15.00 |
| 595 | 74 | | | | 833.76.392 | - | | | | | | |
| 620 | 78 | | | | 833.76.393 | - | | | | | | |
| 660 | 83 | | | | 833.76.394 | - | | | | | | |
| | | | | | | | | Current carrying capacity of strip light: 3.5 A | | | | |
| 425 | 89 | 50 | >90 | >80 | 833.74.352 | 833.74.353 | 4.5 | 4.10 | 8.30 | 8.75 | - | - |
| 465 | 97 | | | | | | | | | | | |
| 825 | 86 | 25 | >90 | >80 | 833.74.370 | 833.74.371 | 3.5 | 2.00 | 4.10 | 4.375 | - | - |
| 930 | 97 | | | | | | | | | | | |
| 425 | 89 | 50 | >90 | >80 | 833.76.332 | 833.76.333 | 8.5 | 4.10 | 8.30 | - | 17.5 | 17.5 |
| 465 | 97 | | | | | | | | | | | |
| 825 | 86 | 50 | >90 | >80 | 833.76.350 | 833.76.351 | 6.5 | 2.00 | 4.10 | - | 8.75 | 8.75 |
| 930 | 97 | | | | | | | | | | | |
| 1230 | 85 | 50 | >90 | >80 | 833.76.360 | 833.76.361 | 5.0 | 1.30 | 2.70 | - | 5.8 | 5.8 |
| 1370 | 95 | | | | | | | | | | | |
| | | | | | | | | Current carrying capacity of strip light: 3.5 A | | | | |
| 530 | 51 | 25 | - | - | 833.74.380 | - | 3.0 | 2.00 | 4.10 | 4.375 | - | - |
| 530 | 51 | 50 | - | - | 833.76.386 | - | 6.5 | 2.00 | 4.10 | - | 8.75 | 8.75 |

* 240 W driver (2 slots with 120 W each)

** Product-specific restriction)

Light effects and lighting technology

Cone of light



- >500 lx
- 150–500 lx
- <150 lx



Note:





The illuminance symbol always represents the best value of all colour temperatures and is meant to be for quick guidance only. Please note the specific values of the individual colour temperatures and the refraction angle before ordering!

Recommendation for illumination of interior rooms

| Interior room type | Illuminance in Lux on | | Colour temperature in K |
|---------------------------|------------------------|------------|-------------------------|
| | Working height: 750 mm | Floor-high | |
| Kitchens, offices | 500 | 150 | 2700–4000 |
| Dining area | 300 | 100 | 2700–4000 |
| Store fixtures, galleries | 300–500 | 150 | 4000–6500 |
| Bedroom, living room | 200–300 | 100 | 2700–4000 |
| Bathroom | 200–450 | 150 | 3500–4000 |
| Storage room | 200 | 100 | 4000–5000 |
| Traffic areas | – | 100 | 4000–5000 |
| Orientation light | – | 25–50 | 4000–5000 |

Test symbols and symbols



Product features

-  Dimmable
-  RGB light
-  Multi-white light
-  Bluetooth®: industry standard for data transmission between electronic devices by radio over a short distance. The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc., and Häfele uses these marks under licence. Other trademarks and names are the propriety of their respective owners.

Certifications / test marks

-  Confirmation from the manufacturer that the product complies with the product-specific applicable European norms and standards. Häfele will not use the certification in advertising.
-  Restriction of Hazardous Substances (EU directive 2011/65/EU). Häfele will not use the certification in advertising.
-  UK Conformity Assessed (United Kingdom)
-  Underwriters Laboratories, correspondence with the national standards in the USA and Canada
-  Energy efficiency standard VI of the United States Department of Energy
-  Product Safety Electrical Appliance and Material Safety Law (for Japan)
-  Regulatory Compliance Mark (for Australia)
-  China Compulsory Certification
-  Eurasian Conformity, for CU countries (Russia, Kazakhstan, Belarus)
-  Bureau of Indian Standards (India)
-  Korea Certification Mark
-  CMIM (Morocco)
-  Bureau of Standards, Metrology & Inspection BSMI (for Taiwan)
-  Thai Industrial Standards Institute TISI
-  European Norms Electrical Certification, with specification of the testing laboratory (one of 18 European national institutes)
-  TÜV test symbol
-  VDE test symbol
-  Declaration of Conformity for telecommunication and radio equipment (USA)
-  Telecommunication and Radio Equipment (Japan)

Protection classes

-  Protection class II
-  Protection class III







Degrees of protection

Lights which do not specify the degree of protection have IP20 in accordance with DIN 40050.



- IP20** Protection against solid foreign bodies ($\varnothing > 12.5$ mm), protection against splash water on all sides
- IP44** Protection against solid foreign bodies ($\varnothing > 1$ mm), protection against splash water on all sides
- IP45** Protection against solid objects ($\varnothing > 1$ mm), protection against water jets
- IP54** Dust protected, protection against splash water on all sides
- IP65** Dustproof, protection from water spray (jet) from any angle.
- IP67** Dustproof, protection against temporary immersion in water



Safety symbols

-  Installation permitted on or in furniture whose ignition properties are unknown.
-  Max. surface temperature in case of fault
-  Lights to be used indoors only. Not to be used outdoors!
-  Do not use components that impede thermal radiation.
-  Waste of Electrical and Electronic Equipment. Do not dispose of in residential waste!
-  Driver, converts alternating current to direct current

Voltage supply

- SELV** Safety Extra Low Voltage
-  Independent operating unit for use outside of light without additional cover.
-  Short-circuit proof with safety isolation

Information

Technical terms

| | |
|--|---|
| <p>Binning</p> | <p>During industrial manufacture, LEDs differ from each other with regard to colour, luminous flux (brightness) and forward voltage. In order to achieve consistent light quality with the same brightness level and a uniform light colour, they are therefore sorted according to colour, luminous flux and forward voltage and separated into bins (“containers”) during manufacture. This sorting process is known as Binning. Häfele exclusively uses bins with a high degree of brightness in order to achieve high efficiency.</p> |
| <p>COB</p> | <p>see LED</p> |
| <p>Colour rendering index CRI</p> | <p>The colour rendering index is a parameter that can be used to compare the colour rendering quality of light sources at the same colour temperature. The higher the value, the better the colour rendering. A value of 100 corresponds to the colour rendering of daylight.</p> |
| <p>Constant current technology</p> | <p>The same current flows through each LED. This means that all LEDs have the same brightness, and a drop in luminous flux is eliminated. This increases the maximum visual length of the strip lights.</p> |
| <p>Drop in luminous flux</p> | <p>The brightness of the LEDs on LED strip lights decreases with the length of the strip light due to the increasing resistance of the copper line. A drop in luminous flux from the first to the last LED of up to 30% is imperceptible to the human eye. Häfele therefore specifies a maximum strip light length for this visual value. Generally, it is possible to operate strip lights with longer lengths, but a difference in brightness will be visible. Exception: the LEDs of the strip lights with constant current technology (LED 2077/3050/3051/3052) are almost identical.</p> |
| <p>Energy efficiency class</p> | <p>The European Union's energy consumption labelling was determined on classes A to G as of 1 September 2021. The relevant regulation is the EU 2019/2015.</p> |
| <p>Human Centric Lighting (Time of day-dependent light colours)</p> |  <p>Light influences well-being and the productivity of the users. One of the goals of light planning is therefore to adapt the brightness and colour temperature to the needs of the people. It is about the Human Centric Lighting planning concept. As well as the function of the room, the time of day of use plays an important part. The rule of thumb for rooms with a working function or for early times of day is: cold and bright light supports high concentration and productivity (the production of melatonin in the body is suppressed). Well-being areas or a later time of day require warmer, dimmed light to support the relaxation process of the users.</p> <p>The following Häfele products are suitable for the requirements of Human Centric Lighting:</p> <ul style="list-style-type: none"> > Multi-white lights make it possible to change the colour temperature > Häfele Connect Mesh makes it possible to control the colour of multi-white lights or design day-dependent light scenes with monochrome lights with different colour temperatures. |
| <p>Illuminance</p> | <p>The illuminance is the luminous flux (lm) in relation to a surface (m²) and it is indicated in Lux (lx). It is used to measure the brightness with which a surface is illuminated.</p> |
| <p>LED</p> | <p>A light-emitting diode (LED) is a semi-conductor element that emits light when electricity passes through it. This semi-conductor element consists of a crystal that is attached to a metal holder and encapsulated in a phosphor layer which converts the light that is generated into white light. COB LED's generate extensive light. This is achieved by arranging several small LEDs in close proximity to each other and covering them with a shared phosphor layer. COD LEDs are used in point lights or linear lights (strip lights).</p> |

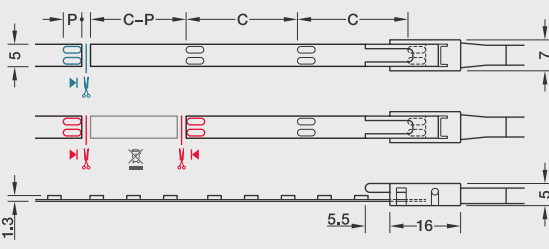
Information

Technical terms

| Life time | <p>Specified in operating hours. The life time mainly depends on the warming of the products. The hotter the environment, the shorter the life time. The replacement rate in years is calculated from the total life time and the average operating time per annum. The following table can be used as a planning aid. The specified life time relates to L70/B50.</p> <table border="1"> <thead> <tr> <th>Indoor use</th> <th>Annual operating time (EN 15193) hours</th> <th>Replacement rate Years</th> <th>Life time installation Hours</th> </tr> </thead> <tbody> <tr> <td>Office</td> <td>2,500</td> <td>20</td> <td>50,000</td> </tr> <tr> <td>Education</td> <td>2,000</td> <td>25</td> <td>50,000</td> </tr> <tr> <td>Hospital</td> <td>5,000</td> <td>10</td> <td>50,000</td> </tr> <tr> <td>Hotel</td> <td>5,000</td> <td>10</td> <td>50,000</td> </tr> <tr> <td>Restaurant</td> <td>2,500</td> <td>10</td> <td>25,000</td> </tr> <tr> <td>Shop</td> <td>5,000</td> <td>10</td> <td>50,000</td> </tr> </tbody> </table> | Indoor use | Annual operating time (EN 15193) hours | Replacement rate Years | Life time installation Hours | Office | 2,500 | 20 | 50,000 | Education | 2,000 | 25 | 50,000 | Hospital | 5,000 | 10 | 50,000 | Hotel | 5,000 | 10 | 50,000 | Restaurant | 2,500 | 10 | 25,000 | Shop | 5,000 | 10 | 50,000 |
|--|---|------------------------|--|------------------------|------------------------------|--------|-------|----|--------|-----------|-------|----|--------|----------|-------|----|--------|-------|-------|----|--------|------------|-------|----|--------|------|-------|----|--------|
| Indoor use | Annual operating time (EN 15193) hours | Replacement rate Years | Life time installation Hours | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Office | 2,500 | 20 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Education | 2,000 | 25 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hospital | 5,000 | 10 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hotel | 5,000 | 10 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Restaurant | 2,500 | 10 | 25,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shop | 5,000 | 10 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Life time Lx/By | <p>The service life is specified in hours. L represents the proportion of the original luminous flux that is still radiated by the light after the service life. B represents the failure rate in percent (not a complete failure, but the proportion of lights which drop below the value in L).</p> <p>Example of life time L80/B10 >50000 h: At the end of the life time of at least 50,000 hours, the light still radiates 80 % of its original luminous flux. Of 10 lights of the same type, 1 light drops below this amount of luminous flux.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Light colour and colour temperature | <p>Häfele makes a distinction between 3 light colours: Monochrome = single-colour white Multi-white = changeable white RGB = multicoloured A combination is also possible: RGBW = coloured or white (the monochrome LEDs and RGB LEDs are actuated separately)</p> <p>The colour temperature is a specification of the colour appearance of a monochrome light source and is measured in Kelvin (K). The lower the colour temperature, the warmer (redder) the light colour; the higher the colour temperature, the cooler (bluer) the light colour. Monochrome light sources with a colour temperature below 3400 K are considered "warm white" by Häfele, monochrome light sources with a colour temperature between 3400 K and 5700 K are considered "cool white". Above 5700 K, the light colour is referred to as "daylight white".</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Light permeability | Ratio of transmitted light to incidental light. An ideal transparent body has light permeability of 100 %. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumen | See luminous flux | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Luminous efficiency | The luminous efficacy is the ratio of the luminous flux and the wattage absorbed. It is used to measure the operating efficiency of the light source. It is indicated in Lumen per Watt (lm/W). | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Luminous flux | It is indicated in Lumen (lm). The luminous flux indicates the light output, i.e. the quantity of light a source emits. The value may be subject to measurement and production-related fluctuations of ± 10 %. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lux | See illuminance | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monochrome | <p>Häfele describes white light emitted by a single-coloured LED as monochrome light. Physically, the white light consists of different wavelengths, but to the viewer it looks like monochrome white light. Monochrome lights are available in different light colours/colour temperatures from warm white to daylight white.</p> <p>Single-colour red, blue or green light emitted by a single LED is also referred to as monochrome, and physically consists of just one wavelength or a very narrow spectrum of wavelengths.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multi-white | <p>The multi-white light colour is mixed from two monochrome light colours (e.g. warm white and daylight white) almost seamlessly with Häfele Connect Mesh.</p> <p>Note: if only one wire of the multi-white adapter is connected to a standard 6-way distributor with switching function, the light can be operated as a monochrome light with just one light colour (e.g. warm white or cool white). No other Connect Mesh component is then required, apart from the adapter.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refraction angle | The specified beam angle (half-value angle) defines the idealised cone-shaped area in which the illuminance is at least 50 %. The full illuminance is achieved at the centre of the cone. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Information

Technical terms

| | |
|---|--|
| <p>RGB</p> | <p>The light colour RGB is the abbreviation for red, green and blue. With Häfele Connect Mesh, hundreds of colour combinations are mixed from the three primary colours.</p> <p>Note: if only one wire of the multi-white adapter is connected to a standard 6-way distributor with switching function, the light can be operated as a monochrome light with just one light colour (e.g. red, green or blue). Of course, 2 wires can also be connected in order to mix the colours. No other Connect Mesh component is required, apart from the adapter.</p> |
| <p>RoHS – Lead in Loox products</p> | <p>Loox Products by Häfele are lead-free and adhere to the RoHS guidelines. RoHS is part of CE conformity. All Loox products are CE compliant. Häfele does not advertise the CE conformity in its catalogues, since only CE compliant products are allowed to be offered. The declaration of conformity is available online at www.hafele.com</p> |
| <p>Shortening or connecting LED strip lights</p> |  <p>C = cut length, P = length of contact surface</p> <p>Shortening Loox5 LED strip lights (blue) One contact side remains with the offcut; this can be re-used</p> <p>Connecting Loox5 LED strip lights (red) Two contact sides are required</p> |
| <p>Transmittance</p> | <p>See light permeability</p> |

Information

Technical questions



1. Illuminating

| | |
|--|--|
| If the illuminance of an LED strip light measured with or without a diffuser? | The illuminance is measured at the LED strip light without a diffuser and without a profile, since the profile and the diffusers can be variably combined with the strip lights. With diffusers the light permeability is specified in order to be able to estimate the loss. In case of doubt, we recommend carrying out a test to check out the effect of profiles. |
| How do I clean an LED strip light? | LED strip lights without a silicone sleeve do not require cleaning. Silicone strip lights can be wiped down with a damp antistatic cloth. Scouring agents and aggressive cleaners can destroy the surface and attack the LEDs. |
| Can an LED flexible strip light be used behind acrylic glass? | This may be so, but the acrylic glass amplifies the minimal colour differences between the LEDs (binning) many times, making the smallest colour deviations more visible. |
| How is consistent bulb light colour guaranteed? | Häfele makes high demands on the selection of the materials. All Loox5 strip lights contain high-quality and long-lasting LEDs from Samsung and Lumileds. Setting very tight quality specifications ensures not only luminous flux and breakdown voltage, but also consistent light colour for follow-up purchases. |
| Can Loox lights be used in RVs/boats/cars? | Voltage fluctuations may occur in the on-board power supply. Loox/Loox5 products are designed to have a voltage tolerance of $\pm 5\%$ in relation to the nominal voltage of 12 V and 24 V. Should higher voltages occur for extended or even brief periods, a voltage stabiliser/smoothener must be used in addition on site in order to prevent dangerous overheating or damage to the light. Special LED strip lights with constant current control (e.g. LED 2077) from our Loox5 product range can be used without voltage stabiliser/smoothener. The requirements with regard to electromagnetic compatibility must also be observed during installation. These are defined in Regulation No. 10 of the Economic Commission for Europe of the United Nations (UN/ECE R10). Our Loox/Loox5 products are currently not reviewed for compliance with this regulation. |
| Can I use Loox in saunas and bathrooms? | Yes. This applies to all lights which provide protection of at least IP44 (better IP67) when installed. This is sufficient for many applications. LED silicone strip lights are IP44 protected as well. However, it must be ensured that the driver and mains lead are dry. Attention must also be paid to the maximum ambient temperature. |



2. Extending

| | |
|--|--|
| What expansion options are possible? | The Loox system can be extended with charging stations (USB and inductive) and sound systems (e.g. exciter speakers). |
| What is the best way to use an exciter speaker? | Can be installed on glass and mirror glass (3–6 mm each), acrylic glass (3 mm), chipboard (10–20 mm) and mineral composite boards. |



3. Switching

| | |
|--|--|
| How can sensor switch malfunctions be avoided (Ø 12 mm)? | Check for correct switch installation. The TOP lettering on the switch must point upwards in the installation situation. |
| Can Loox lights be operated using multiple switches? | Yes: Up to three switches on the 6-way distributor with multi-switching function (configurable in three operating modes) or several switches on a multi switch box (up to three switches on a single box; up to five switches on two cascaded boxes). |
| How long may the lead between the driver and the device be? | The maximum lead length from the Loox5 driver to the device is 10 m. Long cable lengths in combination with large loads (strip light lengths) can result in voltage losses in the cable. These lead to visible loss of brightness in the lights. The illuminance listed with the lights has been determined with the rated output voltage of the driver. (12 V or 24 V). |
| Can you use 12 V and 24 V lights on the same distributor? | Yes, please use the respective converter. |

Information

Technical questions



4. Networking

| | |
|--|---|
| Is Connect Mesh compatible with previous Loox generations? | Yes, please use appropriate adapters. Multi-white lights from the previous Loox generation can also be connected to the Häfele Connect Mesh 6-way distributor via 9-way adapters and Loox5/Loox adapters. |
| What is meant by standalone mode? | Standalone mode is the operation mode in which the remote control or wall switch can create and operate a pre-configured Bluetooth Mesh network without using the Connect Mesh App. The only restriction is the definition of one colour system (monochrome, multi-white or RGB). This means that in contrast to operation with the Connect Mesh App, mixed operation of the colour systems is not possible. |
| Can I back up my network? | Yes, that is possible and recommended. The network can be backed up using various options via the export function in the Connect Mesh App. For more information, see the operating instructions and the help in the app. |
| Can I share the network with other users? | Yes, that is possible. The export/import function within the Connect Mesh app is used for this purpose. For more information, see the operating instructions and the help in the app. |
| Can you switch off a light scene? | A light scene represents a defined condition. In this way, a light scene is always activated (or switched on). Switching off the light requires another defined status with switched off lights. This can be set via the scene or by means of group switching. |
| What is the service life of the battery? | The life time depends on the type of use. Depending on the device, between 1,800 and 3,600 duty cycles or approx. 1 year are possible. |
| Where can you read off the battery status? | The battery status can be queried for each individual device in the Connect Mesh app. |
| How does the reset of Connect Mesh components work? | The majority of components can be reset using the reset button (hold down for 8 seconds), except 850.00.046 see operating instructions. Flashing of the LED indicates a successful reset. |
| 2-channel interface: can consumers be dimmed? | The interface is exclusively for on/off switching functions. |
| Why is the LED of the Connect Mesh 6-way distributor continuously on? | The distributor is coupled and ready for use. |
| Why is the LED of the Connect Mesh 6-way distributor flashing? | The distributor is ready for coupling (provisioning). |
| What is the range of my Connect Mesh network? | The range specification applies if there is unobstructed visibility. Obstacles and electromagnetic interference sources can reduce the range. The Bluetooth range of a single device is up to 10 m. The range can be significantly increased in the network composite, since the individual Mesh devices communicate with each other in a multidirectional way. |



5. Distributing

| | |
|---|--|
| Can multiple distributors be cascaded? | Yes, the individual limits are the output of the driver and the maximum lead length of 10 m from the driver to the light/charging station. |
| Can multiple 6-way distributors with a switching function be cascaded? | Yes, and switches can also be used. This makes the switch of the first box the master switch. Note: only the last level in a cascade can contain dimmers. Dimmers at a higher level would interfere with the switching function of the downstream distributors. |
| How many Watts does a 6-way distributor use? | A 6-way distributor with switching function has power consumption of 0.1 W. A Häfele Connect Mesh 6-way distributor has power consumption of 0.5 W. No power consumption has to be taken into consideration for distributors without a switching function. |
| What is the life time of the products in permanent operation? | Loox5 drivers >50,000 hrs. at a maximum ambient temperature (40 °C/45 °C), wall plug drivers 30,000 hrs. at an ambient temperature of max. 40 °C. Provide for sufficient air supply and circulation at the mounting location of the driver. At an ambient temperature <30° C, the life time is doubled. Loox5 LED strip lights >50,000 hrs. at an ambient temperature of max. 45 °C. Cooling with an aluminium profile is recommended from 9.6 W/m. |

Information

Technical questions

What does AWG mean in the specification of cables?

AWG stands for American Wire Gauge. It is the coding for wire diameters in electrical leads that are mainly used in North America. This identifies the cross-section of wires in electrical leads that consist of strands and wire.

What is the current carrying capacity of a cable?

Häfele allows the following current carrying capacity and wattage:

| Type of cable | 24 AWG | | 22 AWG | | 20 AWG | | 18 AWG | |
|---------------------------|--------|------|--------|------|--------|------|--------|-------|
| Current carrying capacity | 1,5 A | | 2,5 A | | 3,5 A | | 5,0 A | |
| Voltage | 12 V | 24 V | 12 V | 24 V | 12 V | 24 V | 12 V | 24 V |
| Wattage | 18 W | 36 W | 30 W | 60 W | 42 W | 84 W | 60 W | 120 W |



The type of cable is imprinted on the coating of the cable.



6. Supplying

May I use drivers from other manufacturers?

In order to ensure the safety and functionality of the installation, only Loox drivers or drivers that have been explicitly approved by Häfele may be used. If a qualified electrician installs the system, Loox may also be connected and coupled with on-site electrical equipment. However, we explicitly point out that these tasks must be performed by a qualified electrician.

Why do the lights have to be plugged in first before the driver is connected to the mains voltage via the mains lead?

If the driver is connected to the mains voltage first, electrical power is output at the secondary side, which leads to overvoltage and therefore damage to the lights if they are connected.

Why does my LED light flash?

Flashing is a sign of (under or) overloading. Use a driver with higher power or reduce the number of devices.

How do I create an inspection opening in the cabinet?

Tip: install the drivers/distributors in the furniture plinth or above the cabinet top (with cover). Provide bases or cabinet tops with an opening and cover them with an additional removable positive-fitting shelf. Only the shelf needs to be removed for inspecting.

Other answers to technical questions.



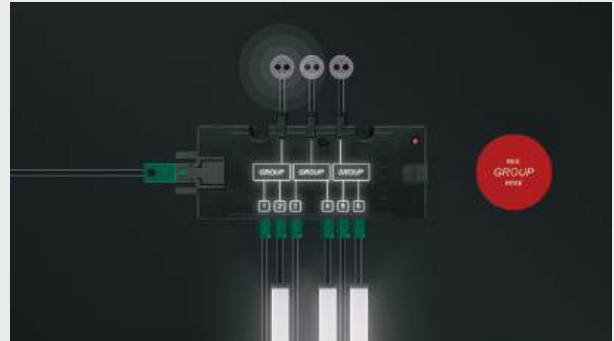
www.hafele.com

Documentation on the Internet

Video guides

Language neutral for all markets

Language-independent videos are available for the Loox radio remote controls and other selected products at www.haefele.de next to the item.



Installation instructions

Language-neutral installation instructions are available for all Häfele Loox lighting systems.

HÄFELE

LED 3069

833.76.391
833.76.392
833.76.393
833.76.394

| 24V | W/m | 20W | 40W | 80W | 270W | max. (m) | TA |
|---------|-----|-----|-----|-------|-------|-----------------|-----------------------------------|
| LED3069 | 8.0 | 2.5 | 5.0 | 11.25 | 11.25 | 5.000 x 8 x 1.5 | 20 °C - +45 °C -4 °F - +113 °F |

Energy label

The European Union's energy consumption labelling was determined on classes A to G on 1 September 2021. The relevant regulation is EU 2019/2015.

ENERGY

Loox5
833.75.174

The energy label is available for downloading at www.haefele.de or via the EPREL database.

- A
- B
- C
- D
- E
- F
- G

G

4
kWh/1000h

2019/2015

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