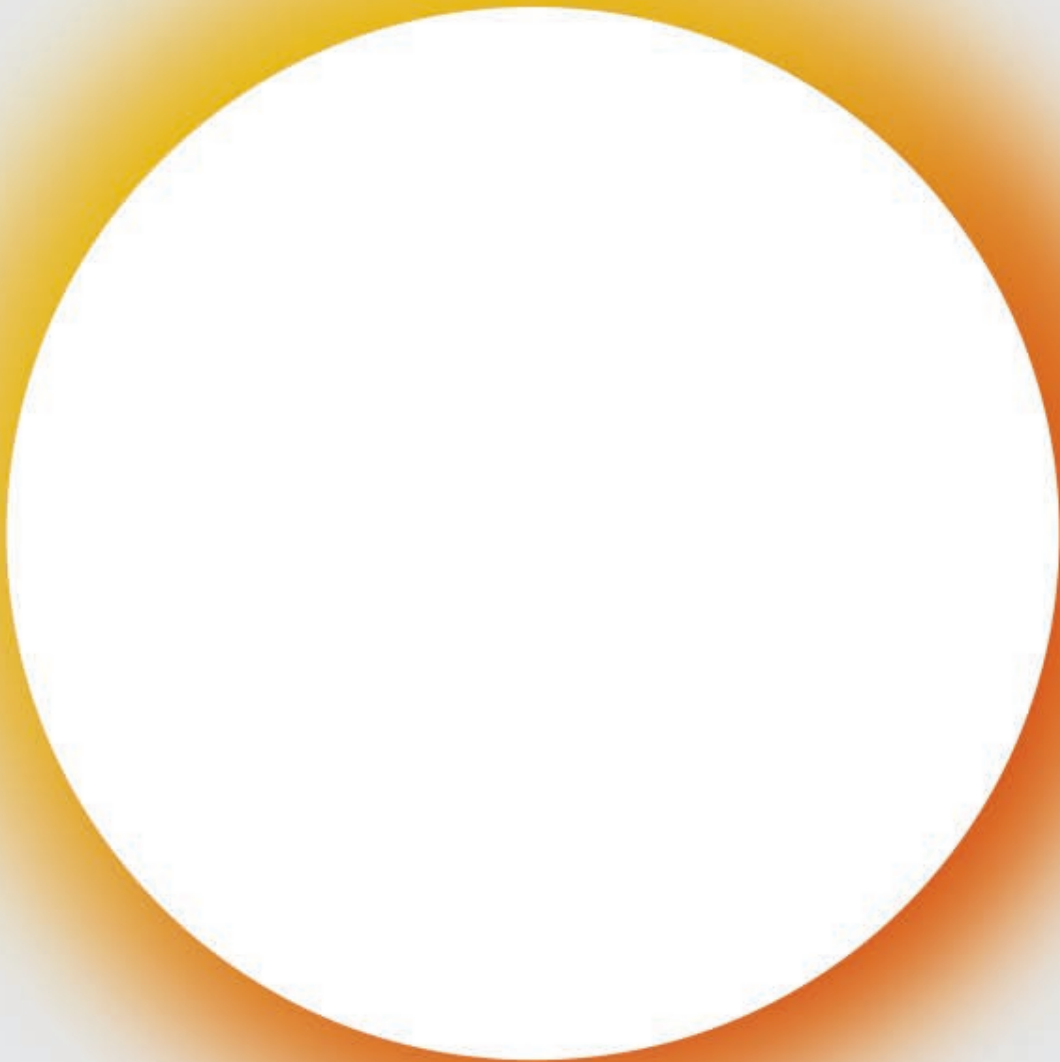


HÄFELE



UPDATE 2022

LOX5

The LED lighting system
for furniture and rooms.

5

Contents

Introduction

Further development

System

Colour codes
Control
Planning

Illuminating

Page

24

Linear light

LED strip lights
LED silicone strip lights
Aluminium profiles
Plastic profiles

Point light

Recess/surface mounted
downlights
Recess mounted downlights
Surface mounted downlights
Surface mounted lights
Flexible surface mounted lights

Spotlights

Extending

Page

104

Charging stations
Sound systems

Switching

Page

108

Sensor switches
Mechanical switches
Dimmer interface
Multi switch box
Multi driver box

Networking

Page

120

Häfele Connect Mesh

6-way distributor
Adapter
Remote controls
Interfaces

Distributing

Page

138

Distributors
Extension leads
Modular leads
Switch leads
Clip connector
Cable guide

Adapters Loox5/Loox

Mains leads
Cable guide

Supplying

Page

162

Power supply units
Converters
Tool

Additional information

Page

172

Technical data LED strip lights

Technical data drivers
Light effects
and lighting technology
Test symbols and symbols
Technical terms
Technical questions
Documentation on the Internet
Address information
Article index

 **Linear light**

Page

24

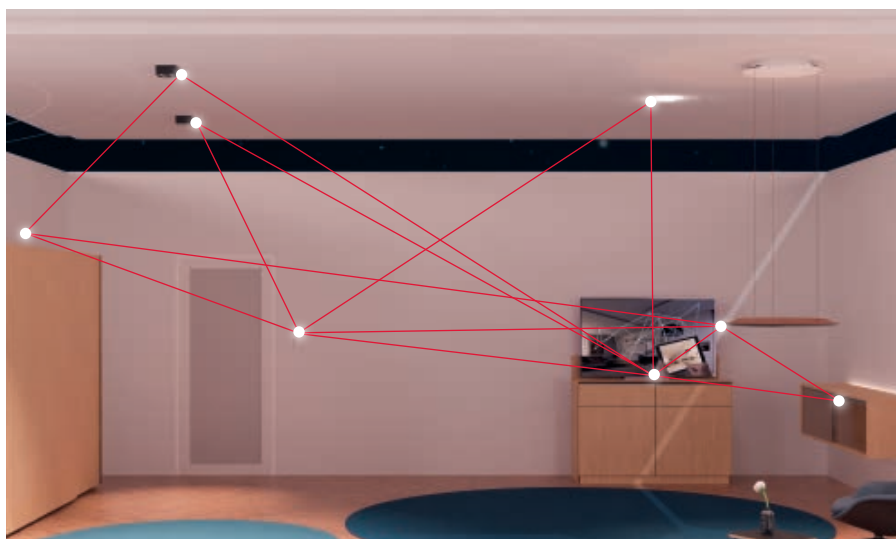
High-performance LED strip lights and design-oriented aluminium profiles – also available in on-trend colours black and brushed stainless steel coloured.



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.

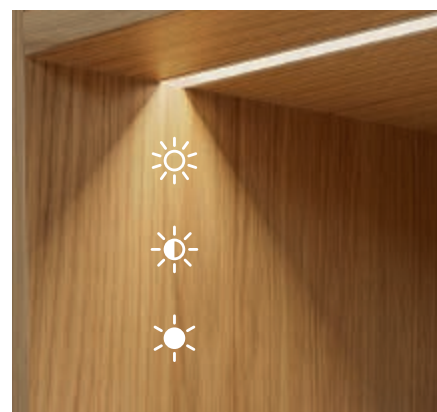


 **Häfele Connect Mesh**

Page

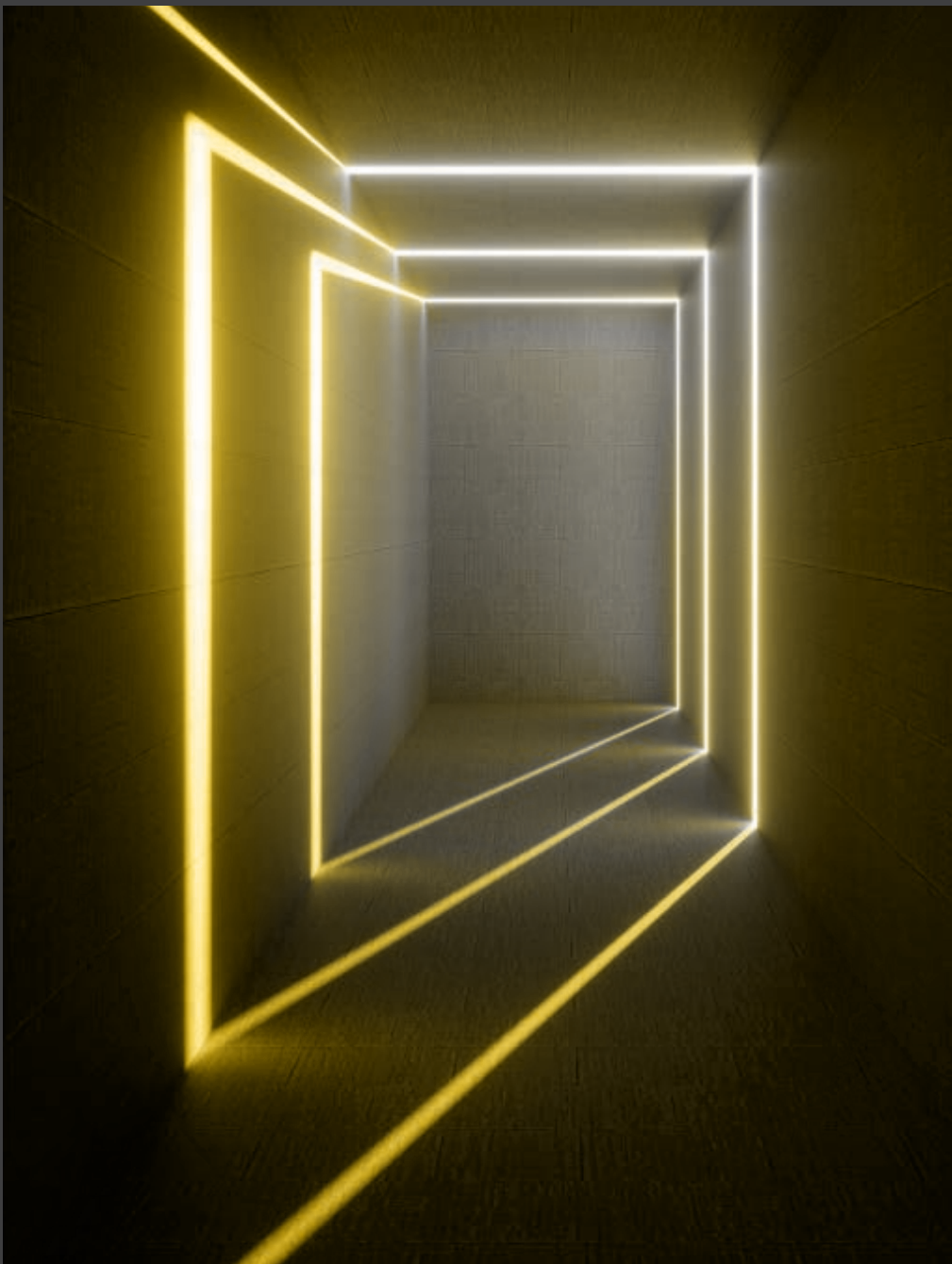
120

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 therefore 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.



Green-in-green
The Loox5 system with
24 volts

In praise of clear lines.

Switching.



Supplying.

- LE
- UR
- AE
- US
- JC
- QR
- KR
- TA



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



RGB adapter



LED 2070 Multi-white



LED 2091 Multi-white



LED 2080 RGB




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.**

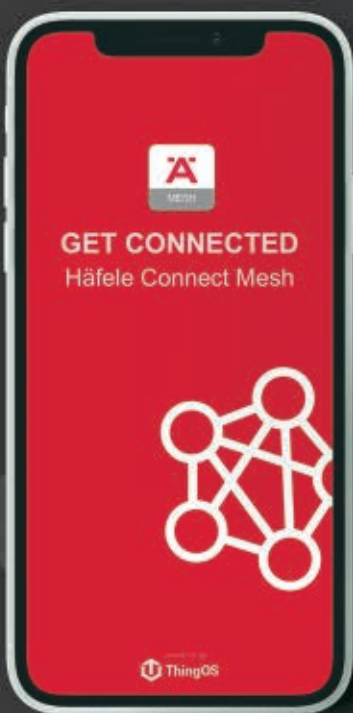
Häfele Connect Mesh 6-way distributor.



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

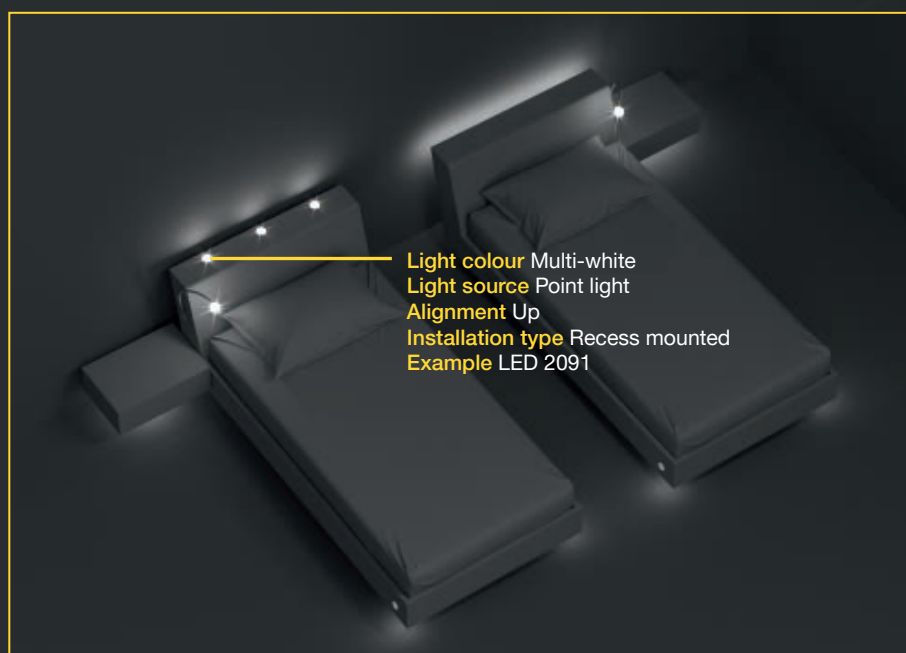
simply switched on and off. At the same time, different lighting scenarios can be programmed and saved. Operation can take place completely in accordance with requirements: via the app, via remote control, via wall mounted push buttons or using other Mesh sensors. Integrating the Häfele Connect Mesh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

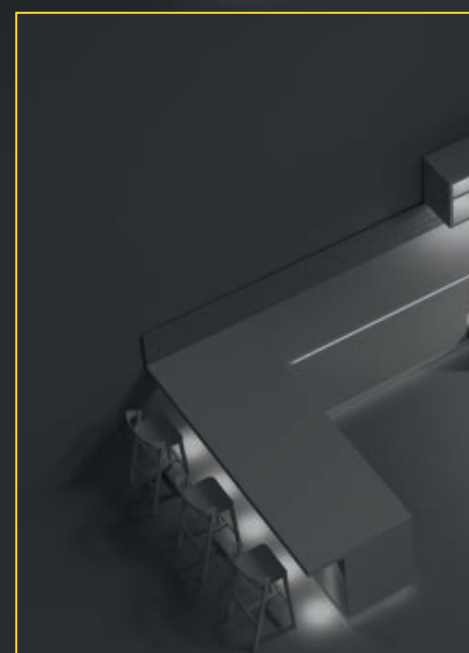
Light is multifaceted.

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.

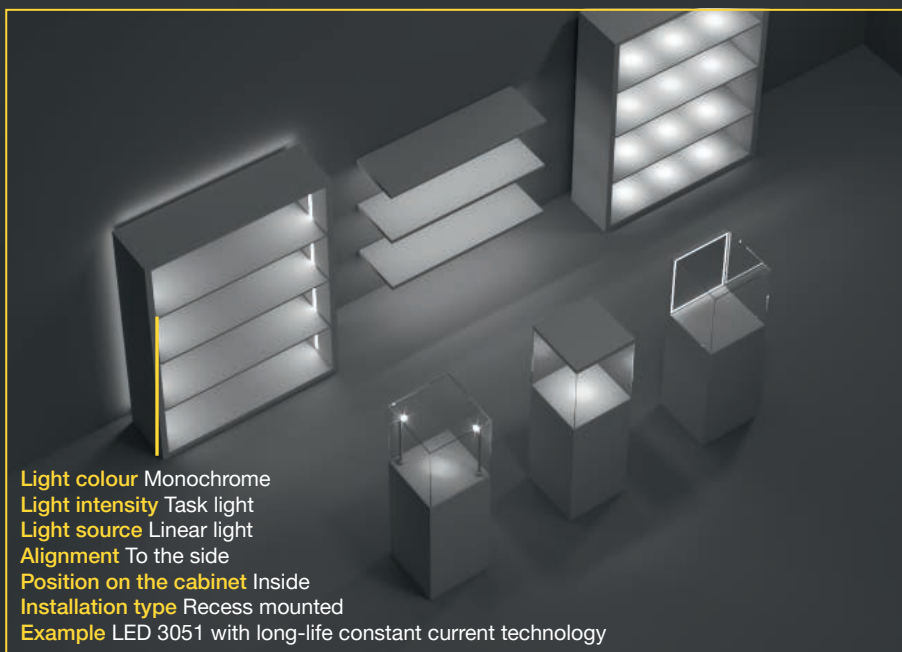
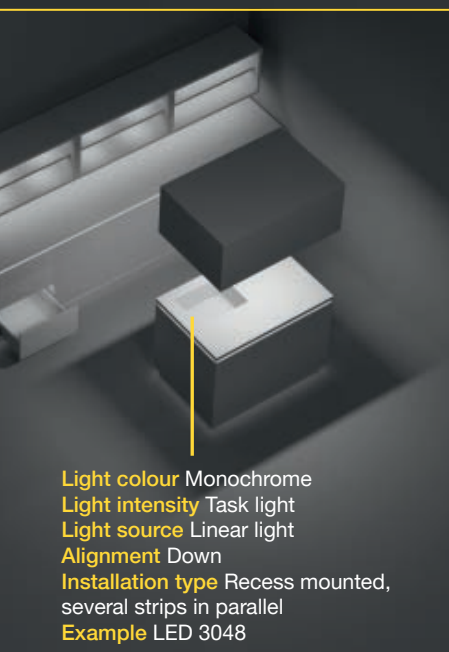


Light colour Monochrome
Light intensity Ambient light
Light source Linear light
Alignment To the side
Installation type Attached at the side to the circular mounting plate behind the mirror
Example LED 3040, just 5 mm wide for filigree applications

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

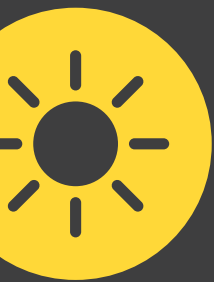


Light in store fixtures.

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.



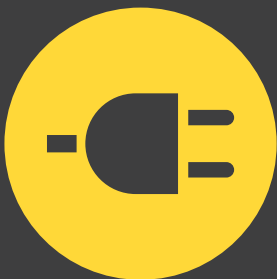
Networking.

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
12V	> Page 146
500 mm	833.95.712
2000 mm	833.95.714
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	
12V	> Page 142
With switching function, max. 60 W	833.95.748
24V	> Page 142
With switching function, max. 120 W	833.77.833
12V	> Page 124
Häfele Connect Mesh, Bluetooth and switching function, max. 60 W	850.00.042
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

5. Distributing

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

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



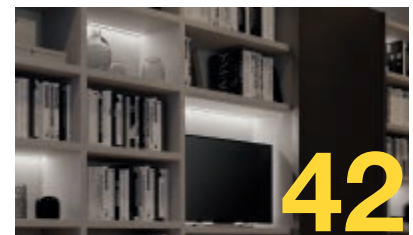
☀ Ambient light 150–500 lx at a distance of 500 mm

						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



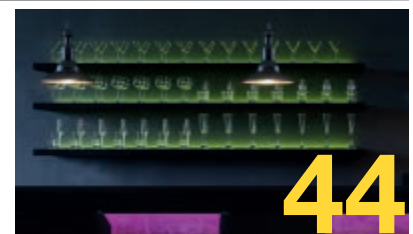
🌈 Multi-white lights

						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**.

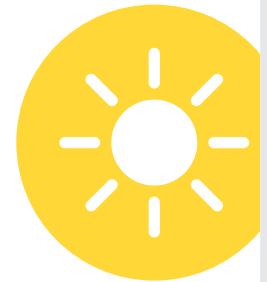
Both voltage variants are in the protective extra-low voltage range, and are therefore safe when installing the components. The decision essentially depends on your planned lighting system or the freedom that you want to give yourself when implementing your lighting solution.

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					SAMSUNG LED Illuminated
		120	5 12V 2065		5 12V 2068			
	5 24V 3042			5 24V 3045	5 24V 3048			
	5 mm > Page 30	120	5 12V 2060		5 12V 2061			
			5 24V 3040		5 24V 3041			
	8 mm silicone > Page 36	60	5 12V 2063					
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					Lit by LUMILEDS
		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

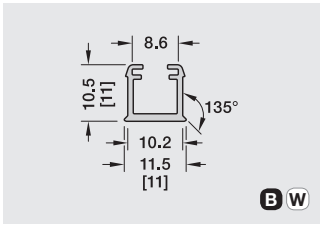
Plastic:

- B** Black
- W** Opal white

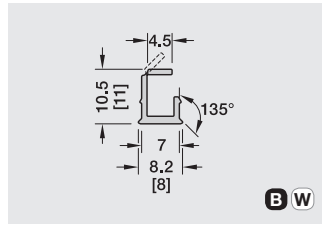
Aluminium anodized:

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

Profiles for recess mounting – plastic

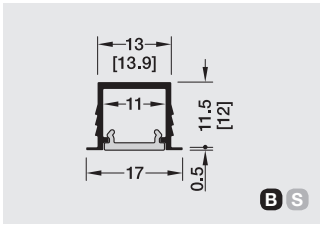


Profile 1101 > Page 60
for LED strip light with a width of exactly 8 mm

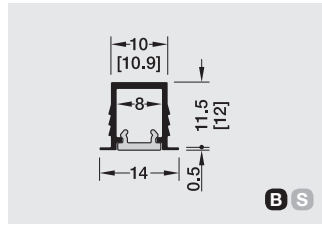


Profile 1102 > Page 60
for LED strip lights up to 5 mm wide

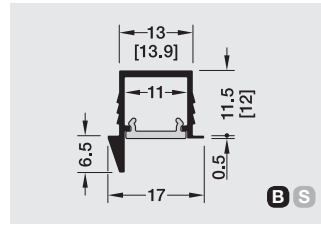
Profiles for recess mounting – aluminium



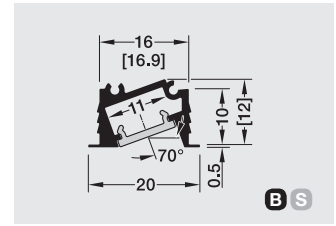
Profile 1103 > Page 48
for LED strip light up to 8 mm



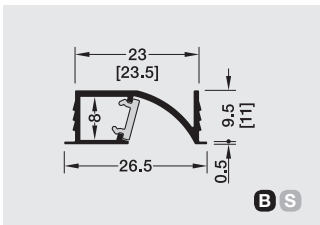
Profile 1104 > Page 48
for LED strip lights up to 5 mm wide



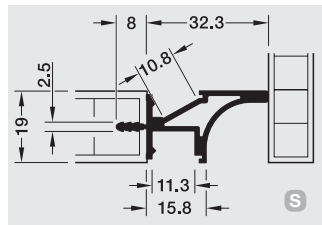
Profile 1105 > Page 47
for LED strip light up to 8 mm wide, asymmetric light distribution



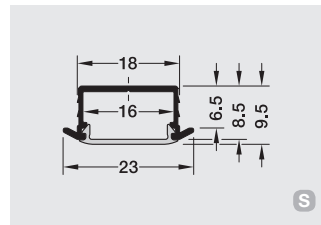
Profile 1106 > Page 49
for LED strip light up to 5 mm wide, asymmetric light distribution



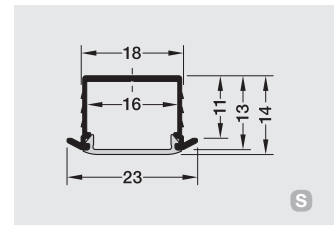
Profile 1107 > Page 49
for LED strip light up to 5 mm wide, asymmetric light distribution



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



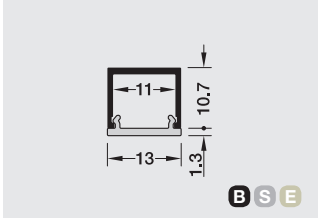
Profile 1190 > Page 48
for LED strip lights up to 10 mm wide



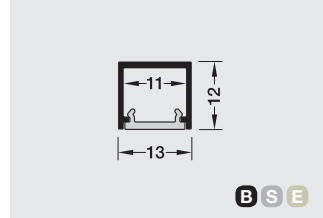
Profile 1191 > Page 48
for LED strip lights up to 10 mm wide



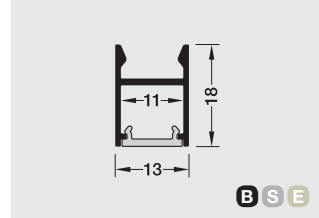
Surface mounted profiles – aluminium



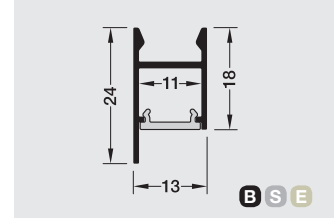
Profile 2101 > Page 50
for LED strip lights up to 8 mm wide



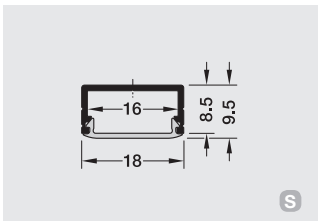
Profile 2102 > Page 50
for LED strip lights up to 8 mm wide



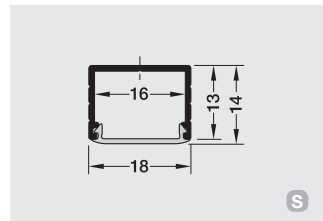
Profile 2103 > Page 52
for LED strip light up to 8 mm wide, concealed attachment with clip



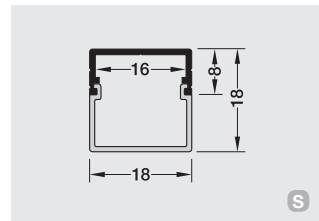
Profile 2104 > Page 52
for LED strip light up to 8 mm wide, asymmetrical light distribution, concealed attachment with clip



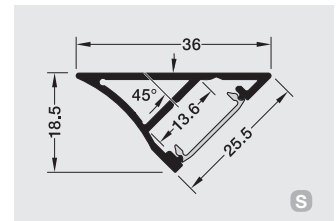
Profile 2190 > Page 54
for LED strip lights up to 10 mm wide



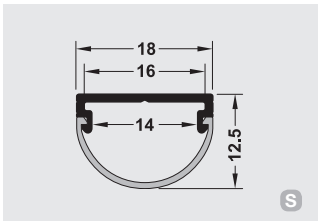
Profile 2191 > Page 54
for LED strip lights up to 10 mm wide



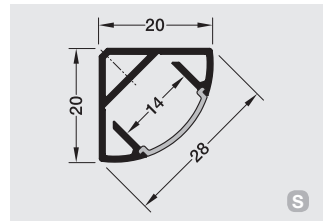
Profile 2192 > Page 55
for LED strip light up to 10 mm wide, with optional mounting arm



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

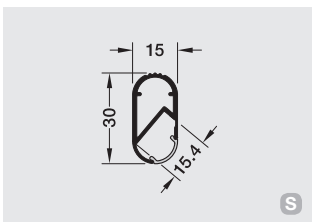


Profile 2194 > Page 57
for LED strip light up to 10 mm wide, with optional integrated door sensor or motion detector



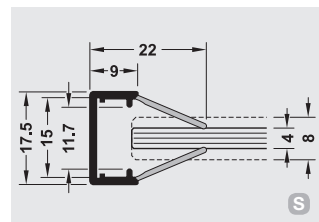
Profile 2195 > Page 56
for LED strip lights up to 10 mm wide

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

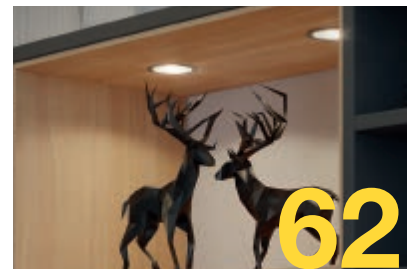
	LED 2025	12 V	Recess/sur-face mounting	Drill hole Ø 58 mm	3.8 W	> Page 62
	LED 3023	24 V	Surface mounting	Ø 180 mm	4.8 W	> Page 86
	LED 3025	24 V	Surface mounting	205 x 205 mm	5.8 W	> Page 87



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

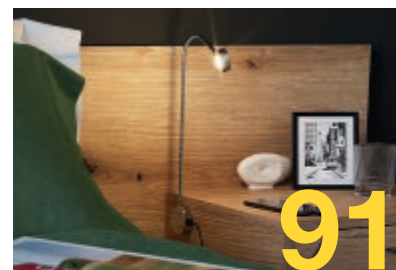
	LED 2028	12 V	Recess mounting	Drill hole Ø 40 mm	0.3 W	> Page 80
	LED 9004	Battery-operated light	Surface mounting	120 x 65 mm	0.8 W	> Page 90






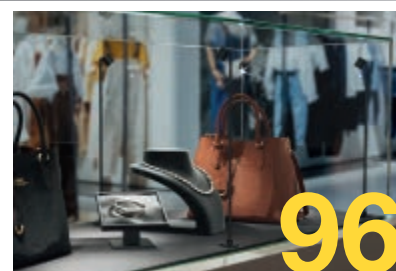
Surface mounted lights

	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



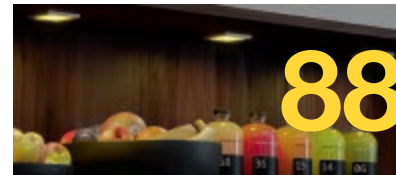
Multi-white lights

	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

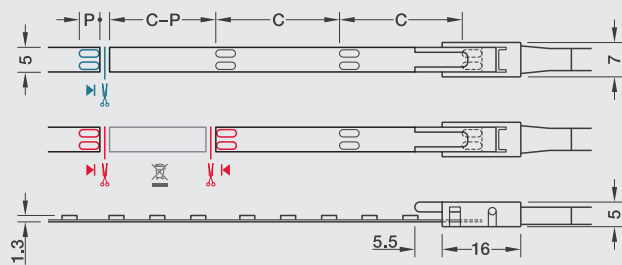
Illuminance value in lx applies to 1 m strip length:

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

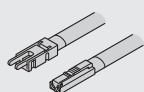
5 24 V Loox5 24 V driver see page 166

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.



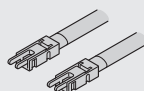
> 3.5 A/20 AWG lead
for LED strip light 5 mm

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

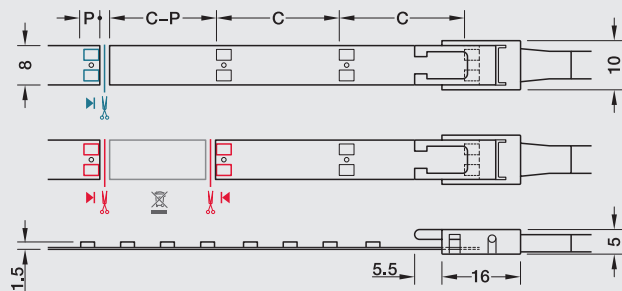
LED 3051

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

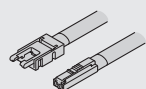
Loox5 12 V driver see page 165

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.



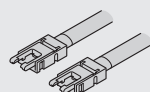
> 5 A/18 AWG lead for LED strip light 8 mm

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



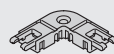
> 5 A clip connector for 8 mm LED strip light

	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

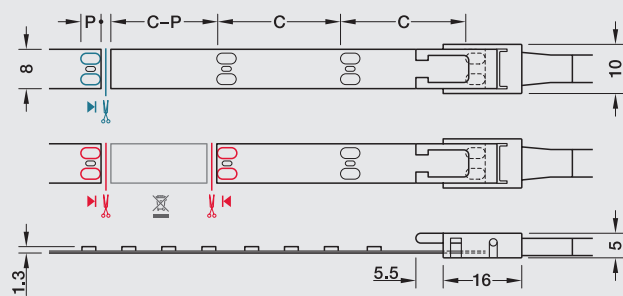
LED 2062/2065/3042

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

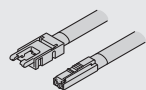


Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%. For maximum wattage-dependent strip length at the driver, see page 174.



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	



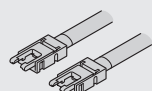
> 5 A/18 AWG lead for LED strip light 8 mm

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:

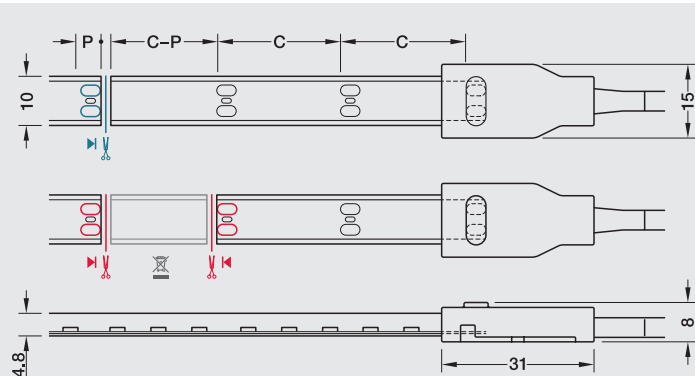
2700 K	3000 K	4000 K	5000 K	120°	
920 lx	960 lx	975 lx	1010 lx		250 mm
390 lx	410 lx	415 lx	425 lx		500 mm
215 lx	225 lx	230 lx	235 lx		750 mm
135 lx	140 lx	145 lx	145 lx		1000 mm

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

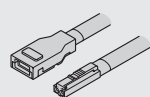
Häfele Loox5 LED 2063/3043/3046

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	AGG	50	4	6.0	833.74.344	833.74.348
		3000	4.8	440	92	>90	>50	AGF	50	4	6.0	833.74.345	833.74.349
		4000	4.8	455	95	>90	>50	AGF	50	4	6.0	833.74.346	833.74.350
5000		4.8	460	96	>90	>50	AGF	50	4	6.0	833.74.347	833.74.351	
5 24V	Häfele Loox5 LED 3043												
	120	2700	4.8	415	86	>90	>50	AGG	50	4	12.0	833.76.324	833.76.328
		3000	4.8	440	92	>90	>50	AGF	50	4	12.0	833.76.325	833.76.329
		4000	4.8	455	95	>90	>50	AGF	50	4	12.0	833.76.326	833.76.330
5000		4.8	460	96	>90	>50	AGF	50	4	12.0	833.76.327	833.76.331	
	Häfele Loox5 LED 3046												
	120	2700	9.6	820	85	>90	>50	AGG	50	4	8.0	833.76.342	833.76.346
		3000	9.6	870	91	>90	>50	AGG	50	4	8.0	833.76.343	833.76.347
		4000	9.6	900	94	>90	>50	AGF	50	4	8.0	833.76.344	833.76.348
5000		9.6	930	97	>90	>50	AGF	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



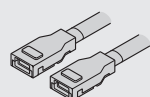
> 5 A/18 AWG lead
for 8 mm LED silicone strip light

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



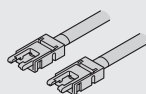
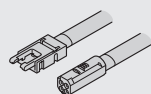
> 5 A/18 AWG interconnecting lead
for 8 mm LED silicone strip light

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 mono-chrome LED strip lights, see accessories on page 35.



Stripper 006.13.485, see page 172

LED silicone strip lights

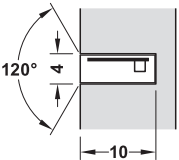
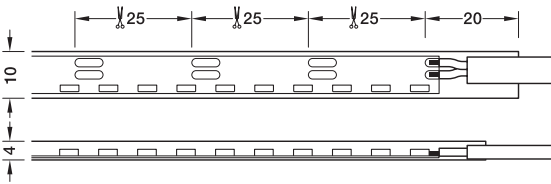
monochrome, lateral light emission



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



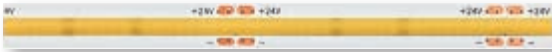
Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
For maximum wattage-dependent strip length at the driver, see page 176.

LED strip lights

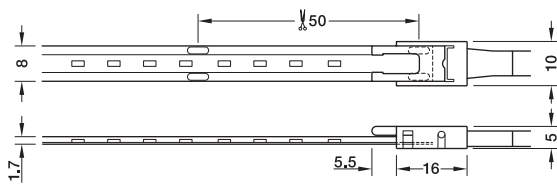
monochrome COB, 8 mm



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



5 24 V

Loox5 24 V driver see page 166

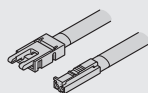


Häfele Loox5 LED 3069

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 5 m
						R _a	R ₉				
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.



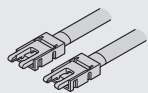
> Häfele Loox5 lead for LED strip light, monochrome, COB, 8 mm, 5 A

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

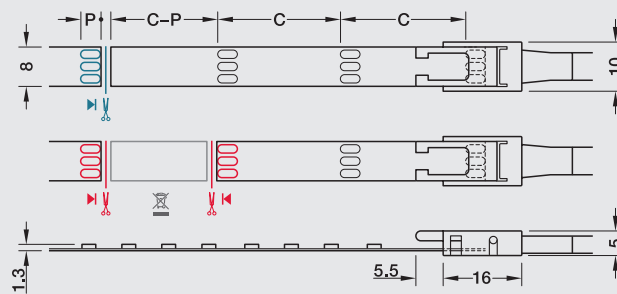
LED 2070 / 3047

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.

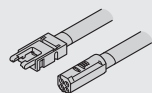


Häfele Loox5 LED 2064 / 2070 / 3044 / 3047 / 3049

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 _g				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.



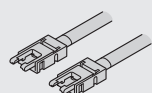
> 3.5 A/20 AWG lead
for 8 mm multi-white LED strip light

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

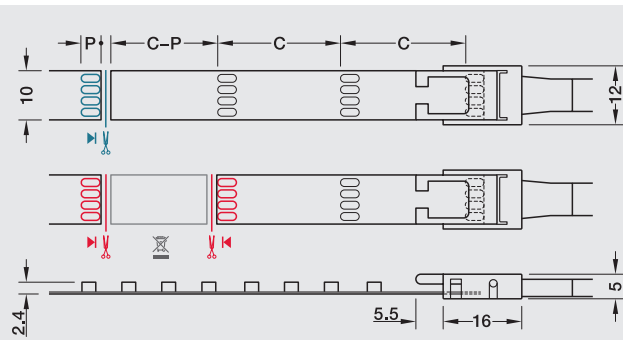


LED 2080/3080

- > 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.

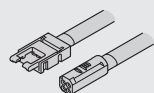


Häfele Loox5 LED 2080/3080

Voltage V	Number of LEDs/m	Colour tempera- ture K	Wattage W/m	Luminous flux lm/m	Luminous efficiency lm/W	Section length C mm	Length of con- tact surface P mm	Max. strip length (visual) m	Available length 5 m
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.



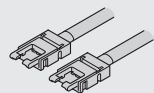
> 3.5 A/20 AWG lead
for LED RGB strip light, 10 mm

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



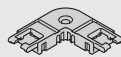
> 3.5 A clip connector
for LED RGB strip light, 10 mm

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

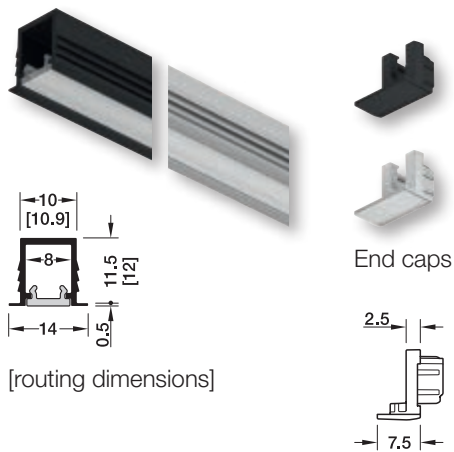
Profiles for recess mounting

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

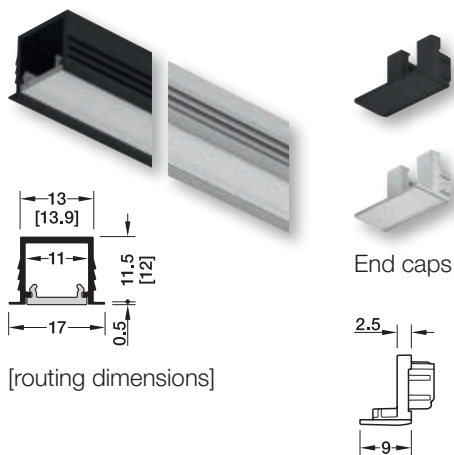
- > Material: Plastic
- > Version: With cable outlet
- > Packing: 10 piece

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

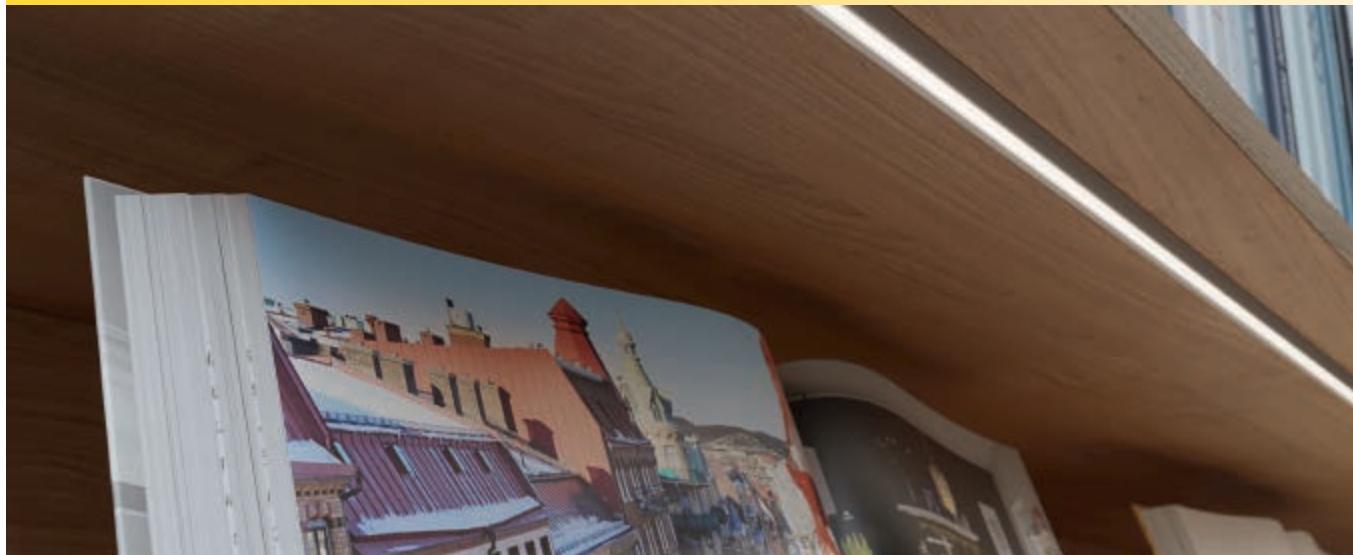
Häfele Loox5 profile 1103



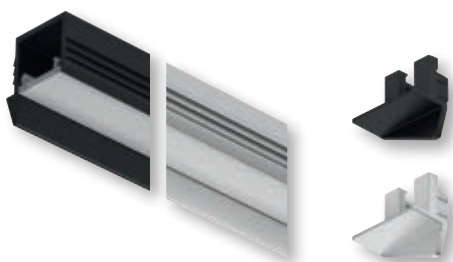
Profiles for recess mounting

Aluminium

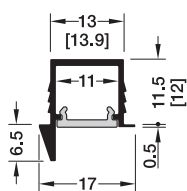
Häfele Loox5 profile 1105, asymmetric light distribution



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

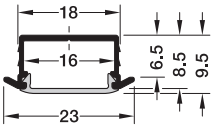
Profiles for recess mounting

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

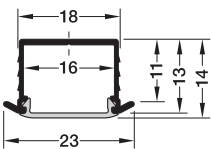
	Cat. No.
End cap for profile 1190	833.72.855

➔ 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

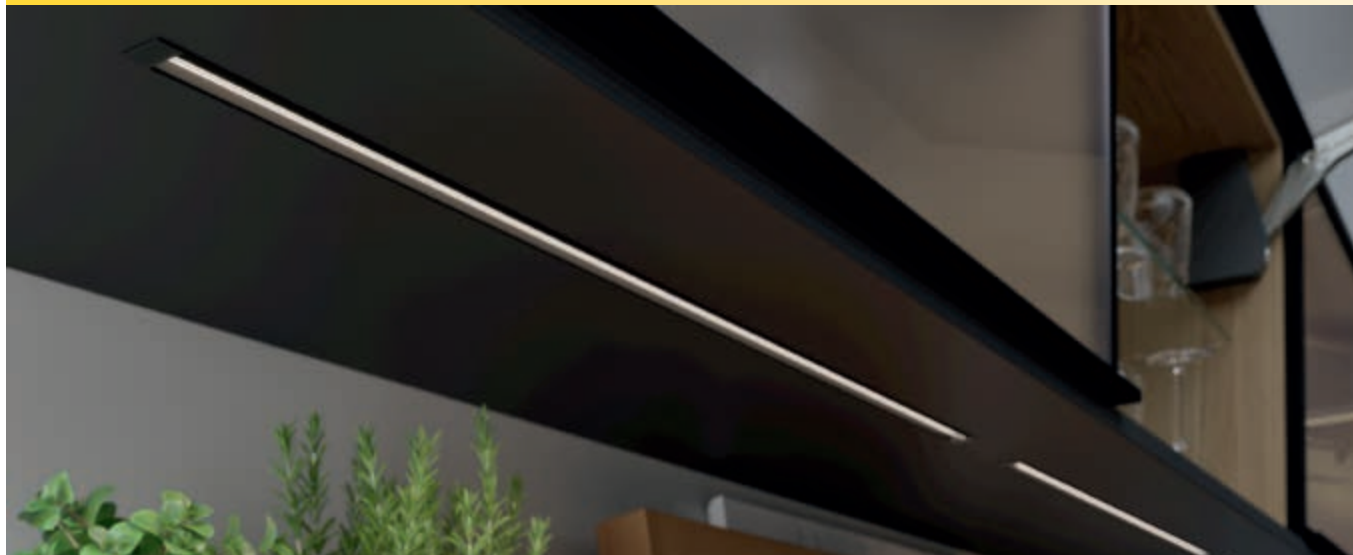
	Cat. No.
End cap for profile 1191	833.72.854

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

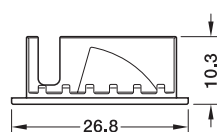
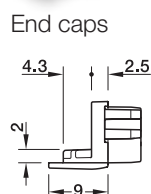
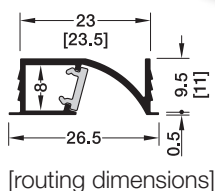
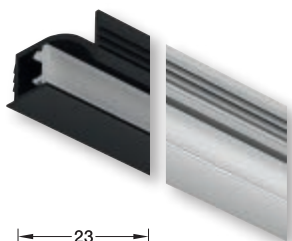
Profiles for recess mounting

Aluminium

Häfele Loox5 profile 1107/1106, asymmetric light distribution



Häfele Loox5 profile 1107



- > 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

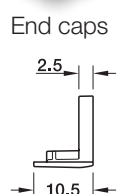
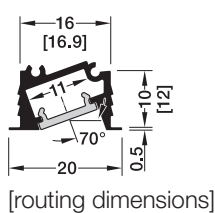
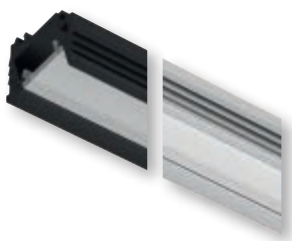
- > Material: Plastic
- > Version: With cable outlet
- > Mounting: For screw fixing
- > Supplied with: 10 piece

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

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



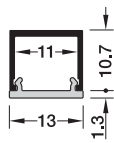
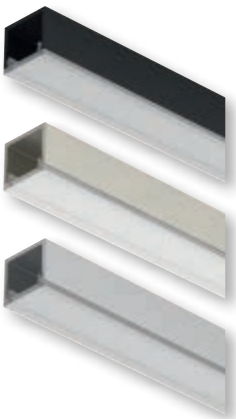
Profiles for surface mounting

Aluminium

Häfele Loox5 profile 2101 / 2102



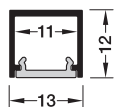
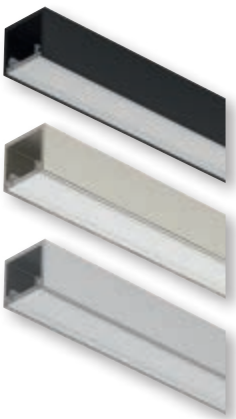
Häfele Loox5 profile 2101



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

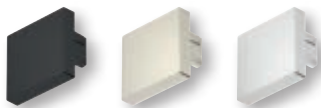
Diffusers
The diffuser creates a uniform light. The LED points are invisible from 120 LEDs/m. If required, please order alternative diffusers in black or transparent (only for width 11 mm) separately.

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

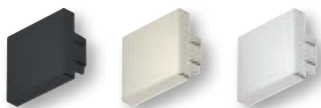


End caps for Häfele Loox5 profile 2101 / 2102

- > 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

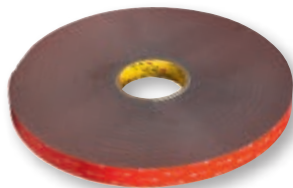
Häfele Loox5 profile 2102



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



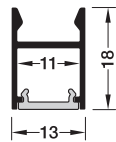
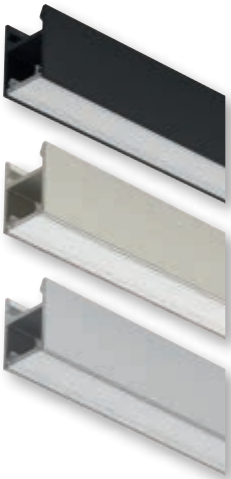
Profiles for surface mounting

Aluminium

Häfele Loox5 profile 2103/2104, with concealed fixing

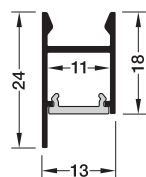
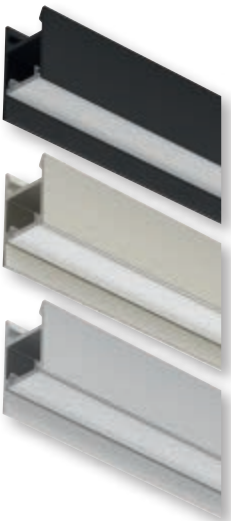


Häfele Loox5 profile 2103



- > 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

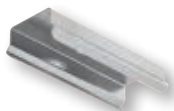
Order reference
Please order (mandatory) mounting bracket separately.

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.

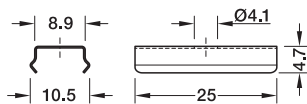
Diffusers see page 61
Motion detector / dimmer for aluminium profile see page 112/113



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

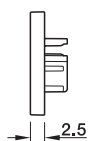
- > Material: Plastic
- > Version: With drill mark for cable outlet
- > Supplied with: 10 piece

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



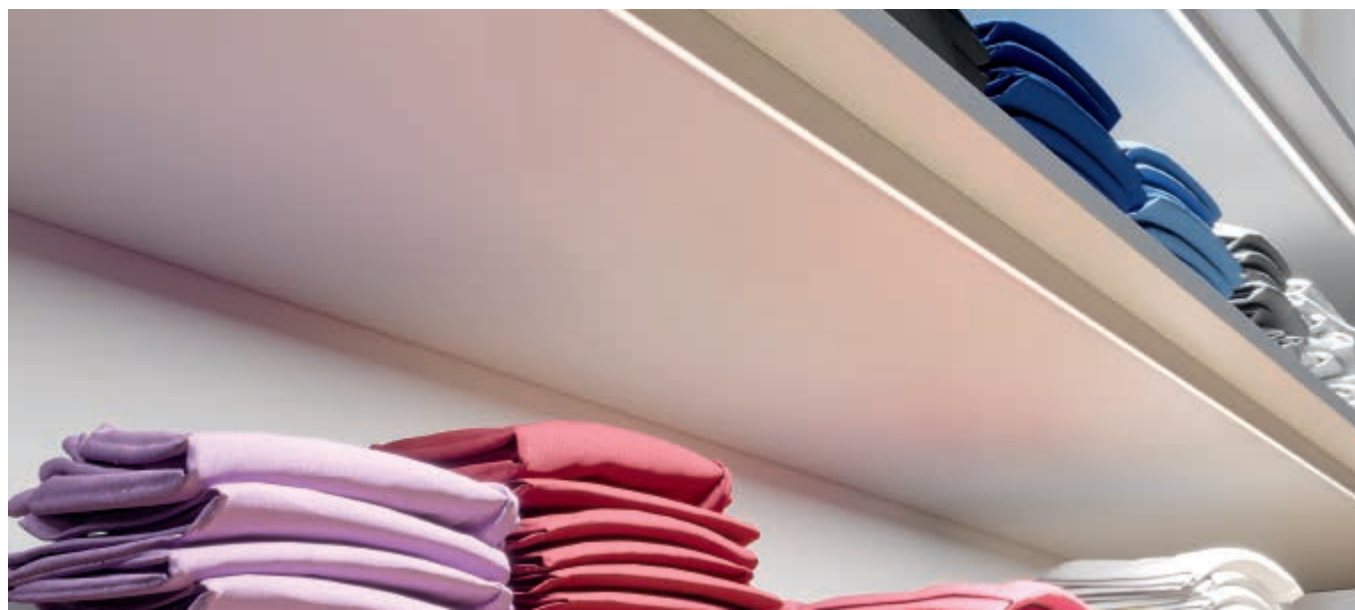
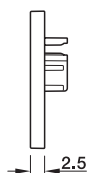
End caps



Häfele Loox5 profile 2104



End caps



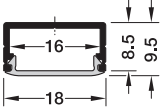
Profiles for surface mounting

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

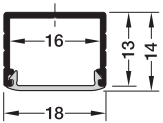
	Cat. No.
End cap for profile 2190	833.72.852

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

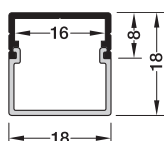
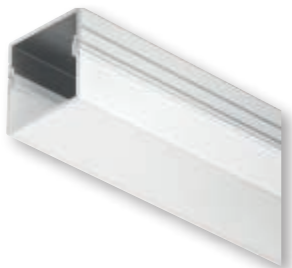


Retaining clip 40°

Profiles for surface mounting

Aluminium

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



End cap



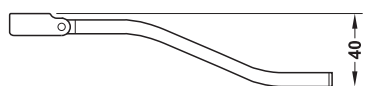
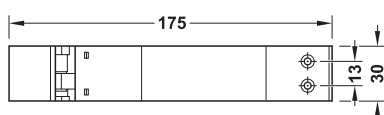
Retaining clip



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



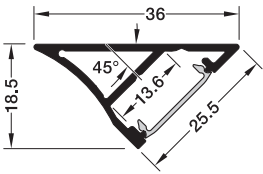
Max. distance of retaining clips 500 mm.
The mounting arms make it possible to have customised, perfectly fitting surface mounted cabinet lights.



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

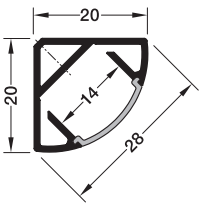
Diffuser	Market availability	Cat. No.
Milky	Non-EU markets	833.74.898
Opal white	EU markets	833.72.986

+ 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

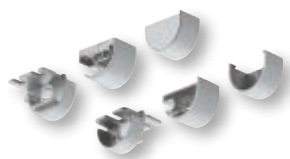
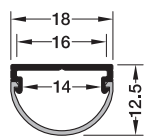
- + > Material: End cap and holder: Plastic, silver coloured
Mounting plate: stainless steel
- > Supplied with: 2 piece

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

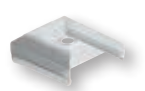
Profiles for surface mounting

Aluminium

Häfele Loox drawer profile, profile 2194



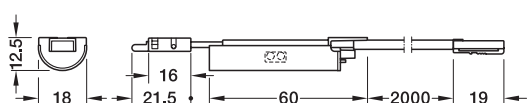
End caps



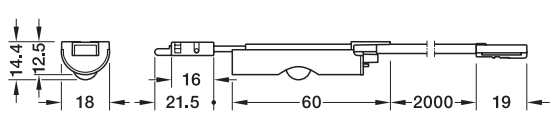
Retaining clip



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

ILLUMINATING

EXTENDING

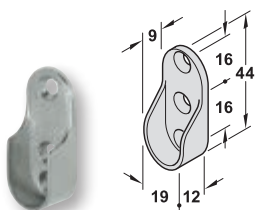
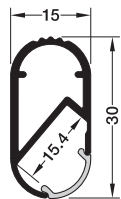
SWITCHING

NETWORKING

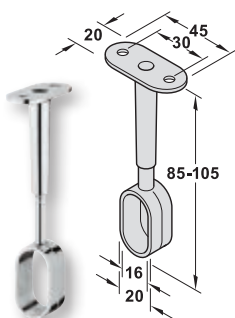
DISTRIBUTING

SUPPLYING

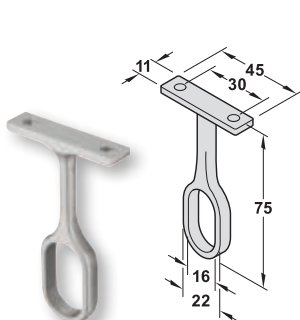
Häfele Loox wardrobe rail, profile 5105, asymmetric light distribution



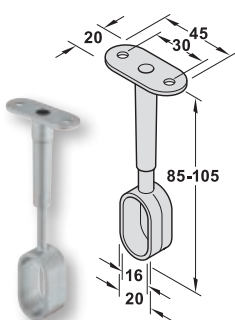
Lateral support



Lateral support height adjustable



Rail centre support



Centre support height adjustable

- > 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

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

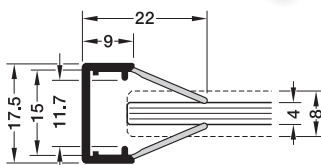
	Colour/finish	Cat. No.
Lateral support	Aluminium coloured, lacquered	803.25.950
Lateral support, height adjustable	Aluminium coloured, lacquered	803.24.900

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

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

- > 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

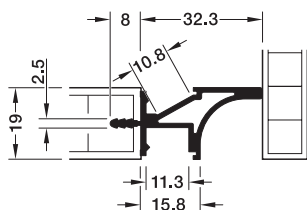
! For manufacturing customised glass edge lighting for glass thicknesses of 4–8 mm. Without load bearing function. Only for LED strip lights with max. 9.6 W/m.

Profiles

Aluminium



Häfele Loox profile for recess mounting, profile 1108



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

Length mm

3000

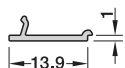
Cat. No.

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

3000

Width mm

15

Cat. No.

833.72.937



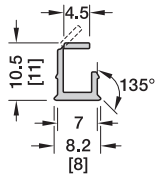
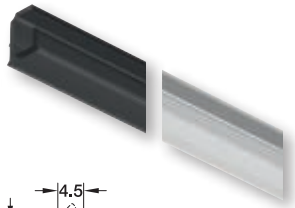
Profiles for recess mounting

Plastic

Häfele Loox5 profile 1102/1101



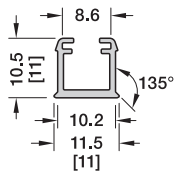
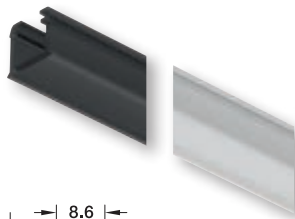
Häfele Loox5 profile 1102



[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.

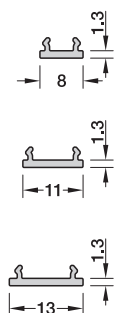
Diffusers, cooling strip



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

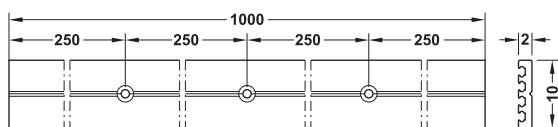
Diffuser	Cat. No.
Version: Protruding, for push fitting	
Frosted	833.74.780
Milky	833.74.781
Opal white	833.72.936
Version: Flush, for sliding in	
Frosted	833.72.858
Milky	833.72.859

! Simple replacement of existing diffusers in order to switch from frosted to milky, e.g..

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

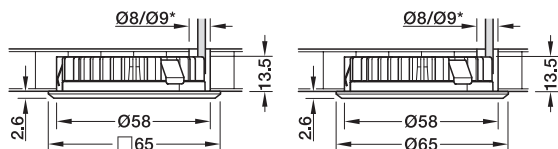
Loox5 24 V driver see page 166

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

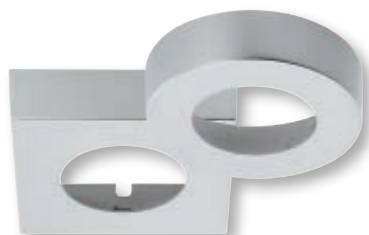


Recess mounted housing

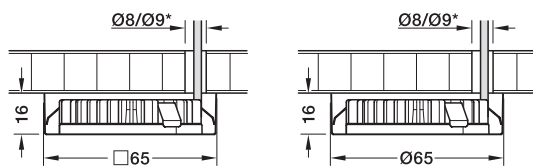


Recess mounting, square

Recess mounting, round



Surface mounted housing

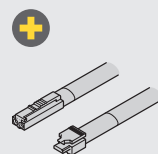


Surface mounting, square

Surface mounting, round

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

* valid for multi-white plugs.



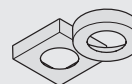
> Lead, 1.5 A/24 AWG, with snap-in connector

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

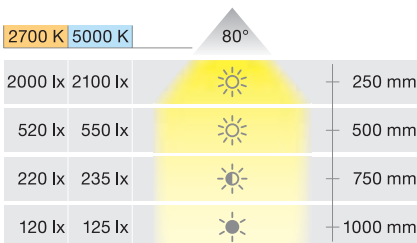


Häfele Loox5 LED 2091 / 3091



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

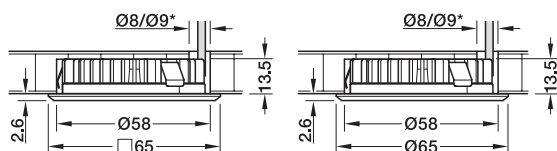


Häfele Loox5 LED 2091 / 3091

Voltage V	Quantity LEDs	Colour tempera- ture K	Wattage W	Luminous flux lm	Luminous effi- ciency 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			

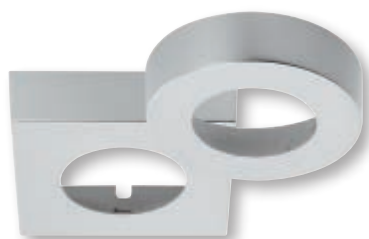


Recess mounted housing

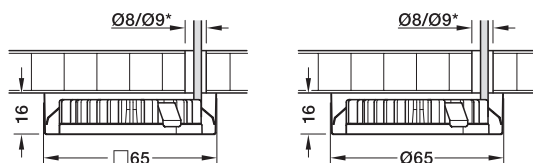


Recess mounting,
square

Recess mounting,
round



Surface mounted housing

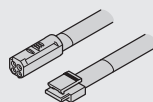


Surface mounting,
square

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

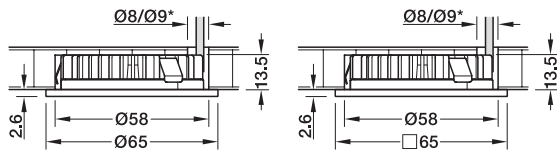
Chrome plated



Brass coloured

Copper plated

Nickel plated



* valid for multi-white plugs.

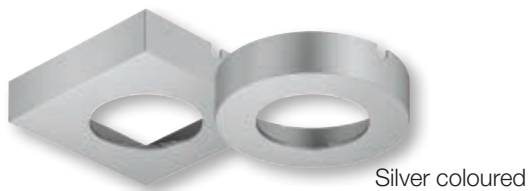
> High-quality metal housing

- > 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

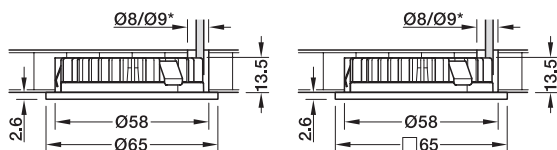
Chrome plated



Brass coloured

Copper plated

Nickel plated



* valid for multi-white plugs.

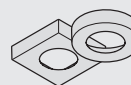
> High-quality metal housing

- > 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



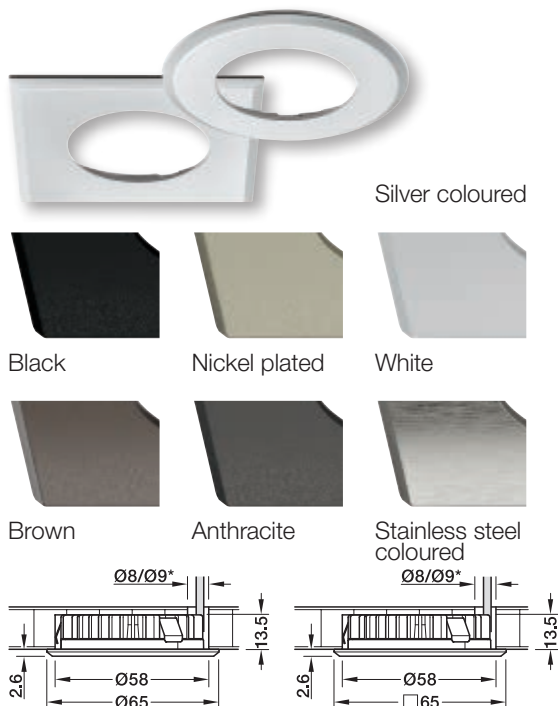
Colour/finish	Round	Square
Silver coloured	833.72.512	833.72.518
Black	833.72.513	833.72.519
White	833.72.514	833.72.520
Bright, chrome plated	833.72.515	833.72.521
Brass coloured	833.72.516	833.72.522
Copper plated	833.72.517	833.72.523
Nickel plated	833.72.526	833.72.527

Recess/surface mounted downlights

Housing plastic



Recess mounted housing



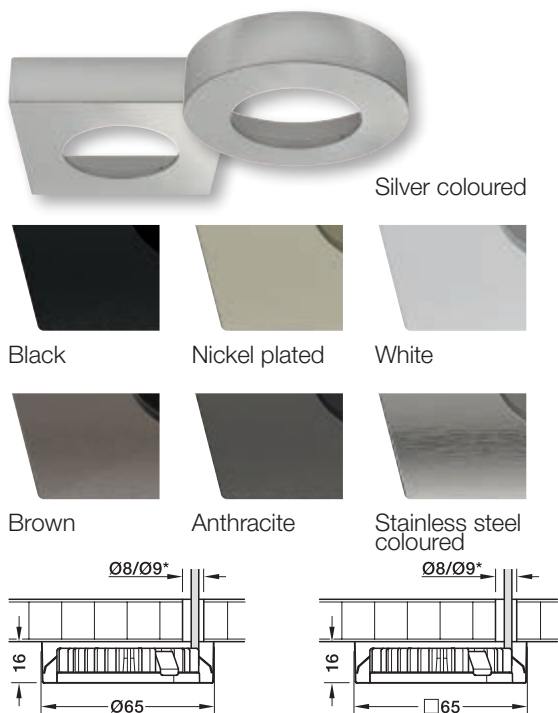
* valid for multi-white plugs on multi-white light module.

- > 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

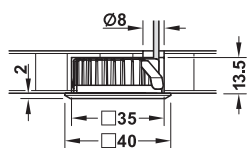


Häfele Loox5 LED 2040 / LED 3008

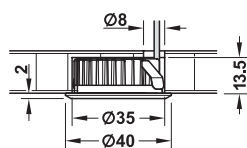
Voltage V	Quantity LEDs	Colour temperature K	Wattage W	Luminous flux lm	Luminous efficiency lm/W	Colour rendering index CRI		Cat. No.
						R _a	R ₉	
5 12V	Häfele Loox5 LED 2040							
	2	2700	1.5	115	76	90	>55	833.72.560
		3000	1.5	115	76	90	>55	833.72.561
		4000	1.5	115	76	90	>55	833.72.562
5000		1.5	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



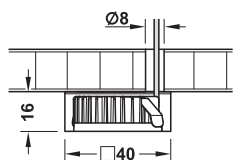
Recess mounting, square



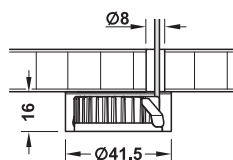
Recess mounting, round



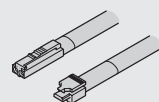
Surface mounted housing



Surface mounting, square



Surface mounting, round



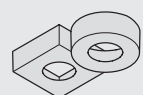
> Lead, 1.5 A/24 AWG, with snap-in connector

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

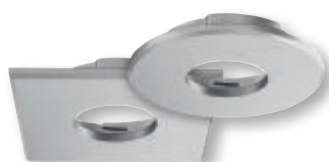
5 24 V

Loox5 24 V driver see page 166

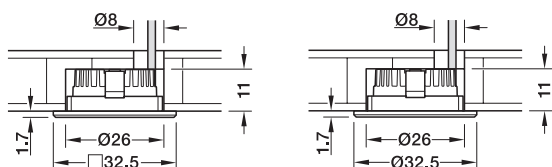


Häfele Loox5 LED 2090/3090

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 12 V	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 24 V	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	

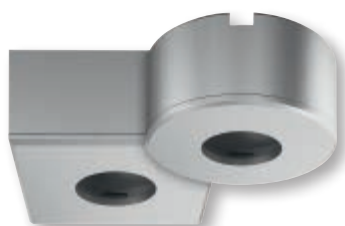


Recess mounted housing

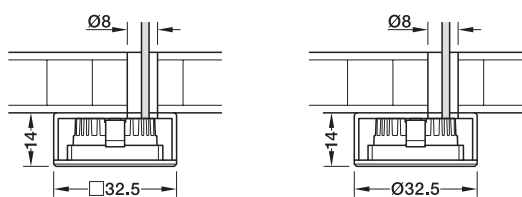


Recess mounting, square

Recess mounting, round



Surface mounted housing



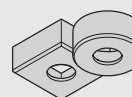
Surface mounting, square

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

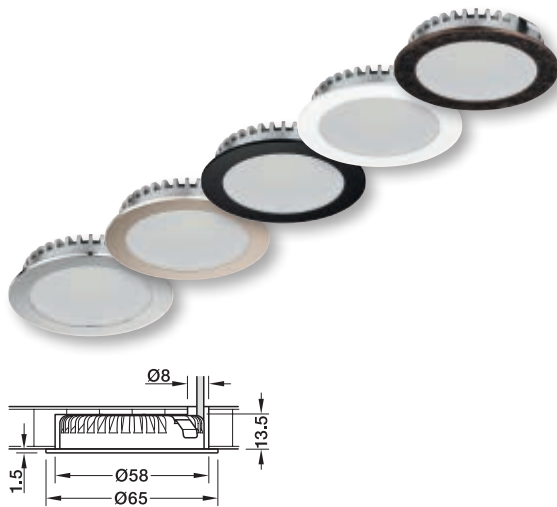
Colour	Round	Square
Black	833.89.239	833.89.246
Anthracite	833.89.240	833.89.247
Brown	833.89.241	833.89.248
Matt nickel plated	833.89.237	833.89.244
Stainless steel coloured	833.89.242	833.89.249
Silver coloured	833.89.236	833.89.243
White	833.89.238	833.89.245

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



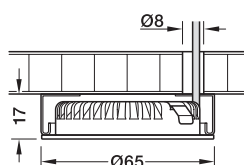
Häfele Loox5 LED 2094 / 3094

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 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



Surface mounting

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



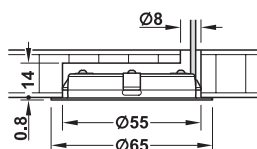
Häfele Loox5 LED 2047 / 3038

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	-	-	

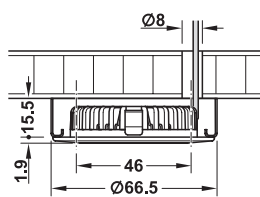


> Surface mounted housing, steel

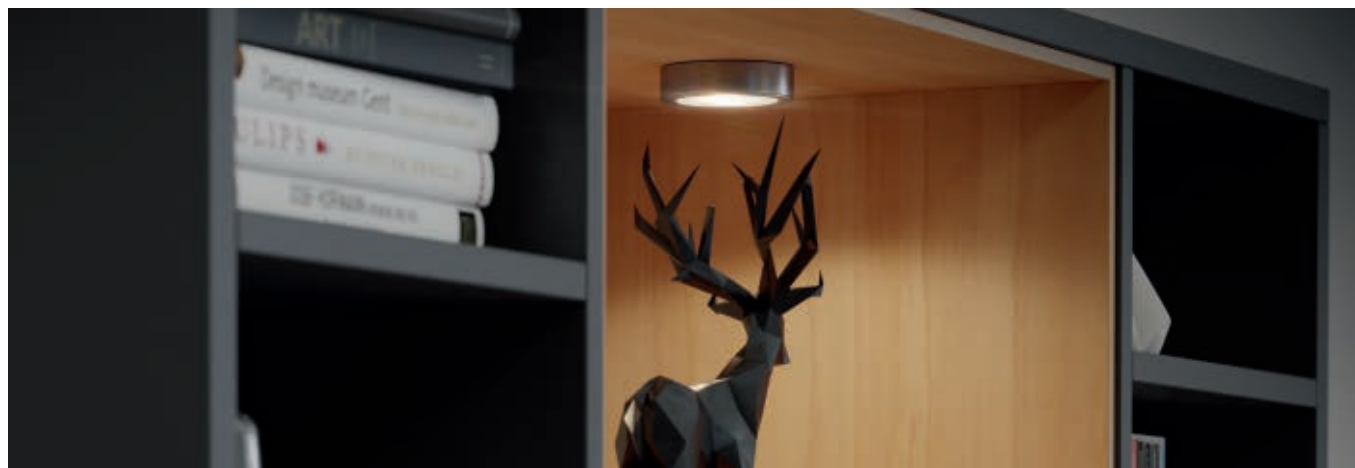
Colour	Cat. No.
Stainless steel coloured	833.72.804
Silver coloured	833.72.803
Polished chrome plated	833.72.802
Black	833.72.801
White	833.72.805



Recess mounting



Surface mounting



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.



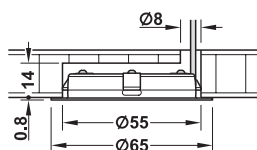
Häfele Loox5 LED 2048/3039

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 12 V	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 24 V	Häfele Loox LED 3039								
	60	2700	3	258	85	90	833.75.163	833.75.162	833.75.161
		5000	3	258	85	83			

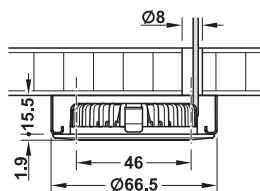


> Surface mounted housing

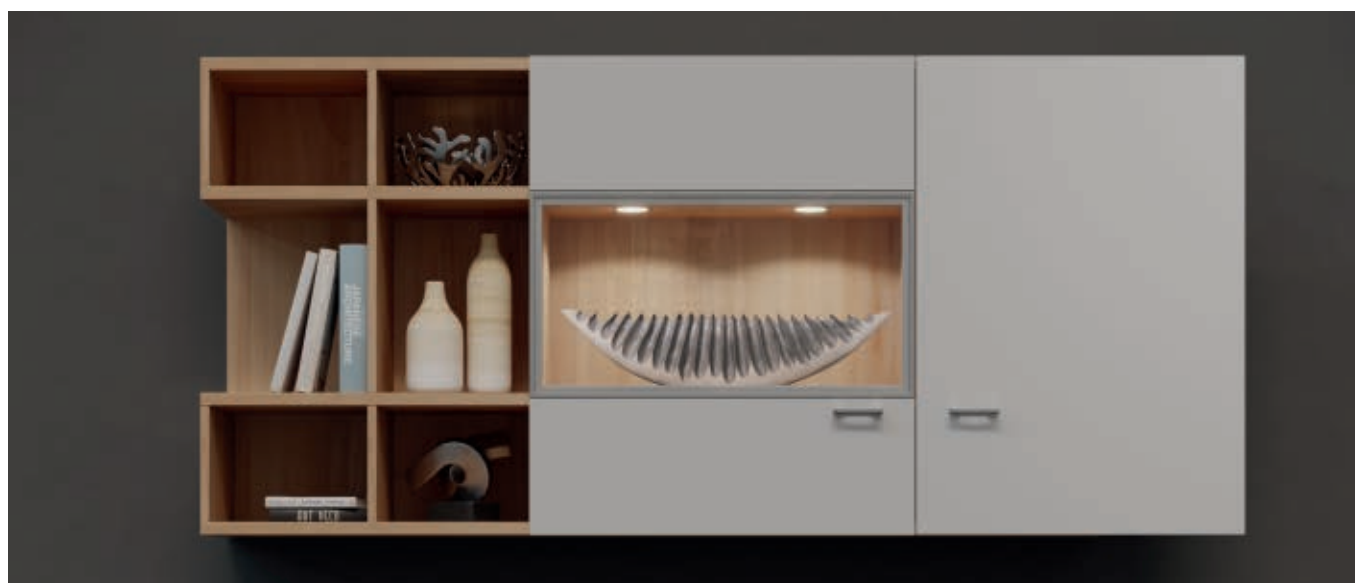
Colour	Cat. No.
Stainless steel coloured	833.72.804
Silver coloured	833.72.803
Polished chrome plated	833.72.802



Recess mounting



Surface mounting



Recess/surface mounted downlights

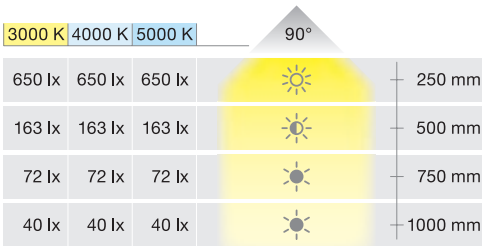
monochrome, drill hole Ø: 26 mm



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



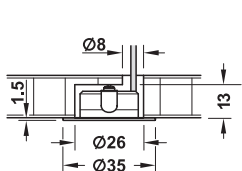
5 12V Loox5 12 V driver see page 165

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

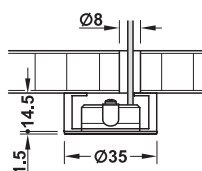
Voltage V	Colour temperature K	Wattage W	Luminous flux lm	Luminous efficiency lm/W	Colour rendering index CRI R _a	Silver coloured anodized	Polished chrome plated
5 12V	3000	1.5	105	70	82	833.72.084	833.72.085
	4000	1.5	105	70	87	833.72.086	833.72.087
	5000	1.5	105	70	88	833.72.088	833.72.089



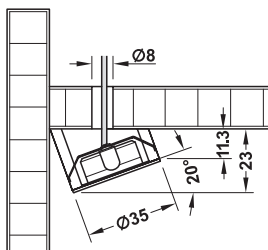
Häfele Loox5 LED 2022



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

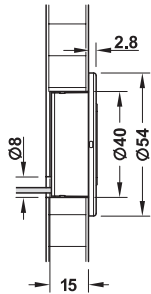


Recess mounted downlights

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

5 12V 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



ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



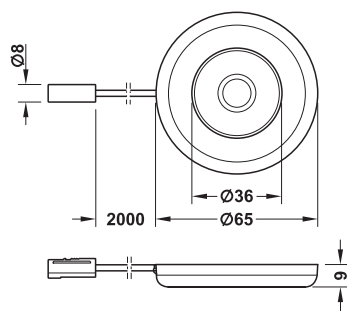
DISTRIBUTING



SUPPLYING



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

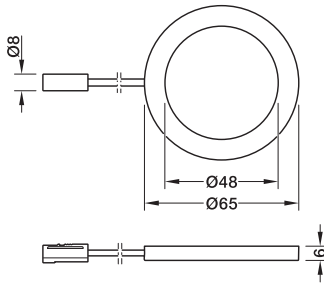
monochrome, Ø 65 mm



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 effi- ciency 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

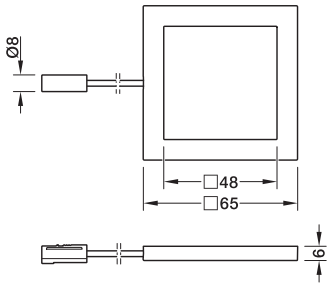


Surface mounted downlights

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 effi- ciency 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

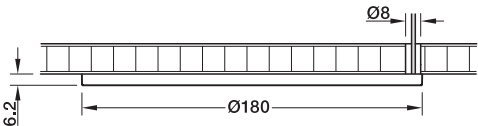
monochrome, Ø 180 mm



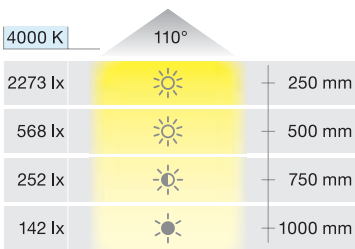
Häfele Loox5 LED 3023



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

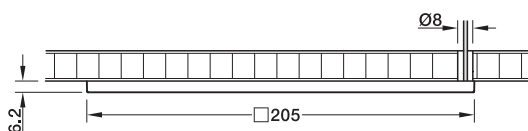
monochrome, 205 x 205 mm



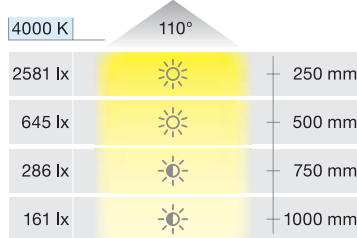
Häfele Loox5 LED 3025



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



ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

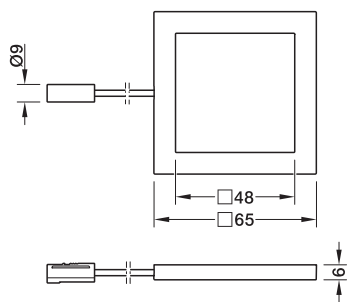
DISTRIBUTING

SUPPLYING

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

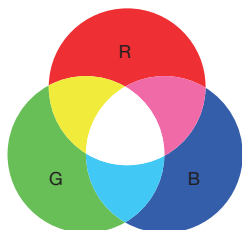
- 5 12 V** Loox5 12 V driver see page 165
- 5 24 V** Loox5 24 V driver see page 166

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



Häfele Loox5 LED 2081 / 3081

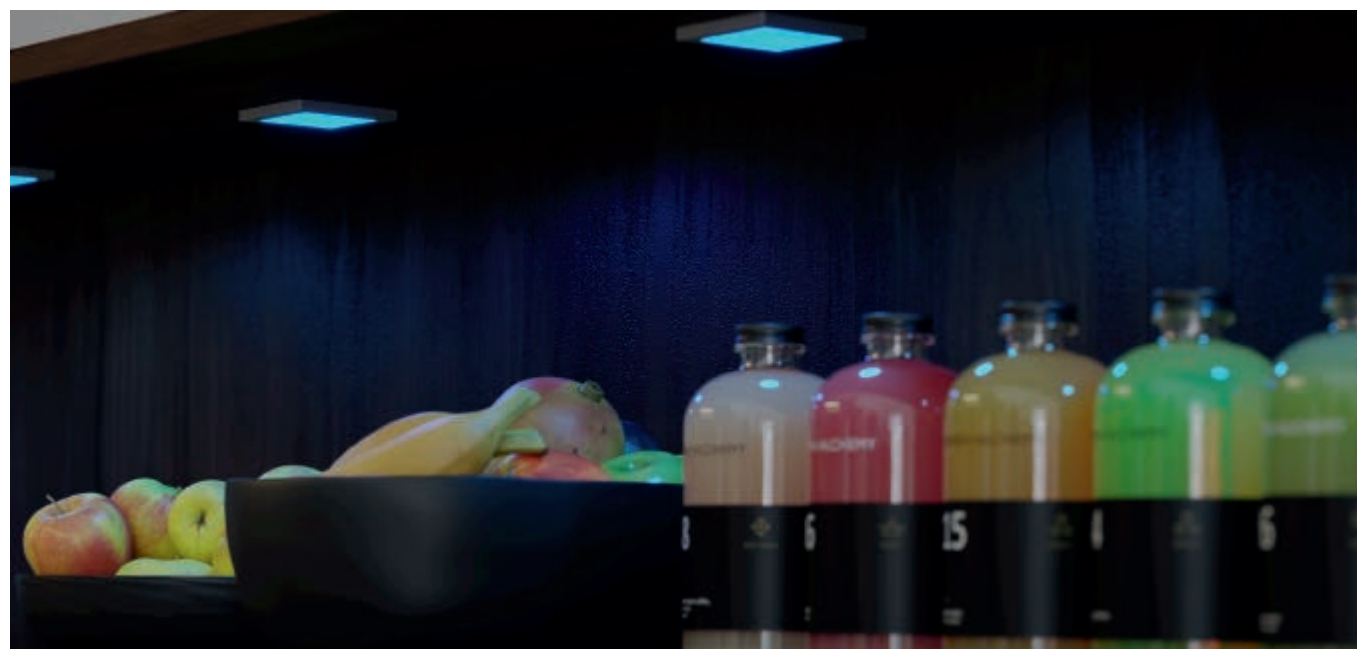
Colour mixing



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



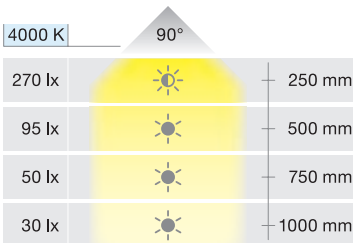
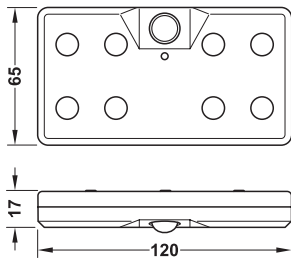
LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

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

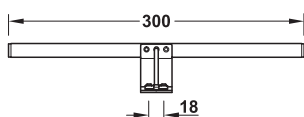
Colour temperature	Wattage	Luminous flux	Luminous efficacy	Colour rendering index	Cat. No.
K	W	lm	lm/W	CRI R _a	
4000	0.8	55	69	>90	833.87.021

Surface mounted lights

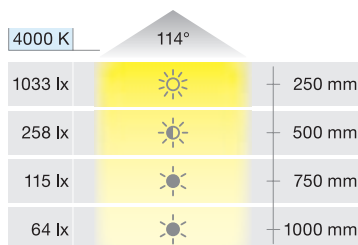
monochrome, length 300 mm



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 2032, 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

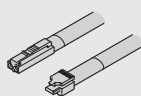
Power requirement including USB: 19 W, 20 W driver per light for optimum operation of the USB charging station. The modular lead makes assembly and disassembly easier.

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

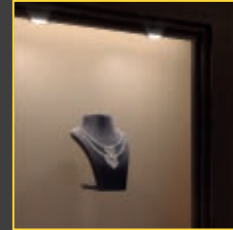


> Lead, modular 5A/18AWG

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

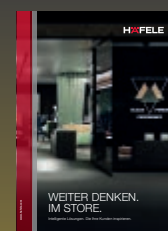


In stores, it is about perfect presentation of the goods. Illumination plays an important role here. Correctly arranged light has an impact on sales promotion. The concept must work in daylight and also under artificial light. From mixed light at the shop window to the furthest corner at the back. The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

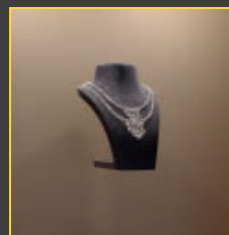
Functionality what effect does light have for the presentation of goods?

Focus on what refraction angle do the lights have?

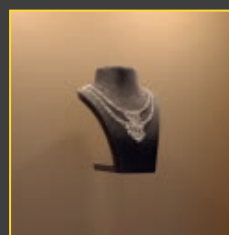
Sustainability what is the life time of the lights when they are used in permanent operation?

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



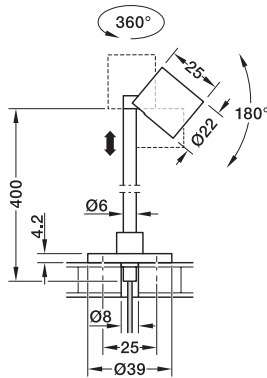
Equipped with high-quality Samsung LEDs

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

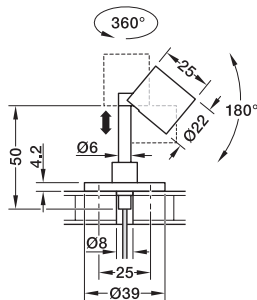
- > Dimmable: Yes
- > Area of application: Focused presentation light for objects in shops or museums
- > Housing material: Aluminium
- > Life time L80/B10: 50,000 h
- > Swivelling range, x-axis: 360°
- > Swivelling range, y-axis: 180°
- > Mounting: For recess mounting and screw fixing
- > Supplied with: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

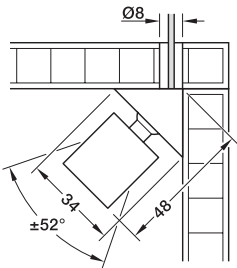
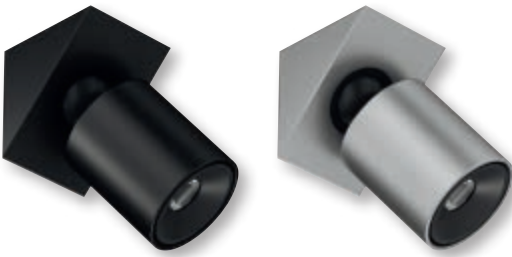


Spotlights

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

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		833.77.320	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



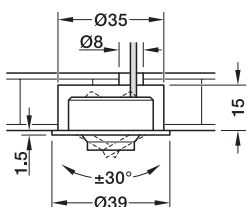
DISTRIBUTING



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

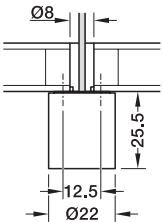
LOOX 2022, HDE-en_03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

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

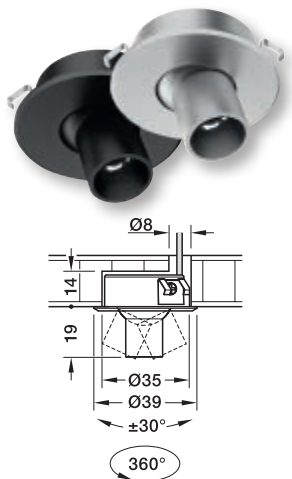
Voltage V	Quantity LEDs	Colour temperature K	Wattage W	Luminous flux lm	Luminous efficiency lm/W	Colour rendering index CRI		Energy efficiency class	Matt black	Silver coloured
						R _a	R ₉			
5 24 V	1	3000	1.4	108	77	90	>70		833.77.340	833.77.345
		4000	1.4	118	84	90	>70		833.77.341	833.77.346
		5000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



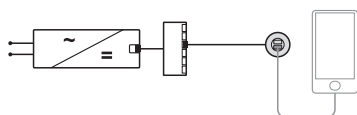
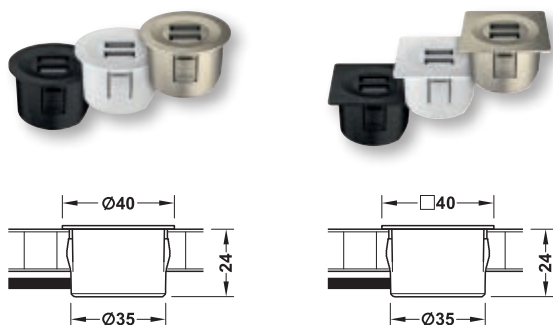
Sound systems

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

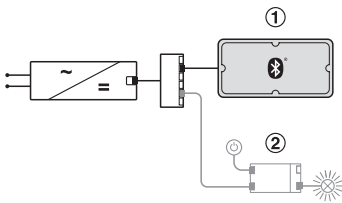
SUPPLYING

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
12 V	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!

12 V 5 12 V 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



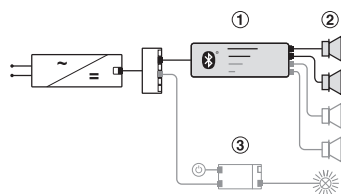
DISTRIBUTING



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

ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

DISTRIBUTING

SUPPLYING

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



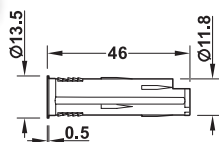
Symbol overview

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



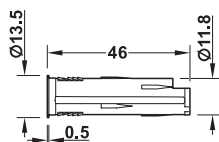
- > Material: Plastic
- > Degree of protection: IP20
- > Sensor range: 0–80 mm
- > Power consumption: ≤0.3 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch

	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

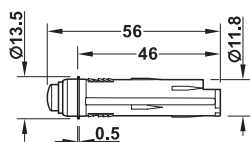


- > Material: Plastic
- > Degree of protection: IP20
- > Sensor range: 0–100 mm
- > Power consumption: ≤0.3 W
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch

	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

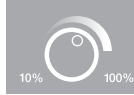
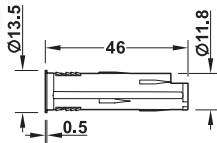
	Delay time	Cat. No.
Silver coloured	30	833.89.129
	320	833.89.148
Black	30	833.89.172
	30	833.89.173

+ 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

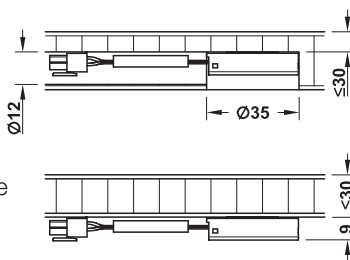
+ Please order lead with snap-in connector for modular switches separately. Length 2 m: Cat. No. 833.89.142. See page 150

! 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

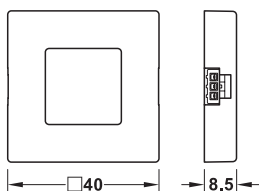
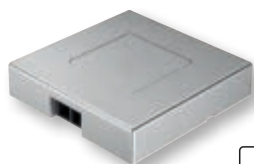
	Cat. No.
Capacitive switch/dimmer, modular	833.89.133

+ 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



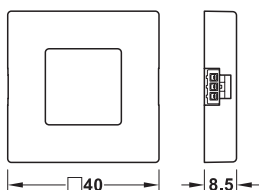
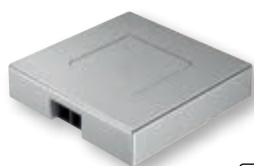
- > Material: Plastic
- > Dim. (L x W x H): 40 x 40 x 8.5 mm
- > Degree of protection: IP20
- > Sensor range: 0–80 mm
- > Power consumption: ≤0.3 W
- > Supplied with: 1 switch with fixing material

	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



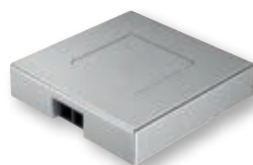
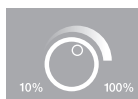
- > Material: Plastic
- > Dim. (L x W x H): 40 x 40 x 8.5 mm
- > Degree of protection: IP20
- > Sensor range: 0–100 mm
- > Power consumption: ≤0.3 W
- > Supplied with: 1 switch with fixing material

	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

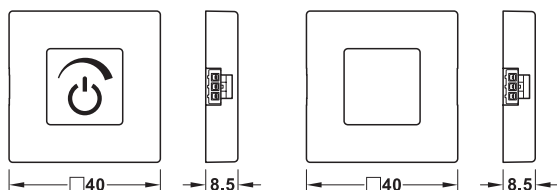
Häfele Loox dimmer for surface mounting, modular – soft on/off switching and dimming

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

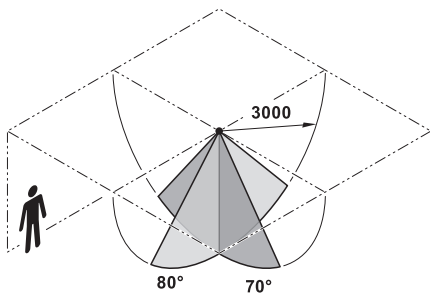
Häfele Loox5 motion detector, modular



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



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



Sensor range

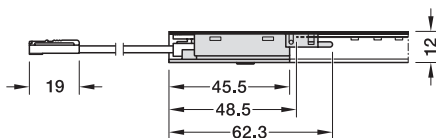
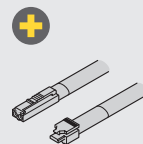


Fig. shows switch in use
(please order profile and lead separately)

- > 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)

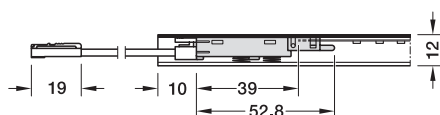
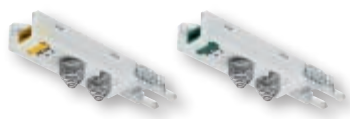


Fig. shows switch in use
(please order profile and lead separately)

> Concealed installation beneath the diffuser

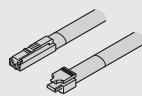
- > Area of application: For monochrome 8 mm Loox5 LED strip lights in Loox5 aluminium profiles
- > Usable for: Profile 1103, Profile 1105, Profile 2101, Profile 2102, Profile 2103, Profile 2104
- > Switching function: Gentle on/off, dimming (with memory function)
- > Material: Plastic
- > Colour/finish: 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

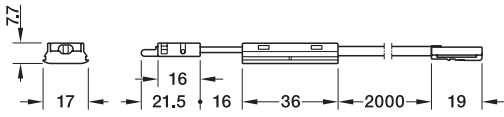
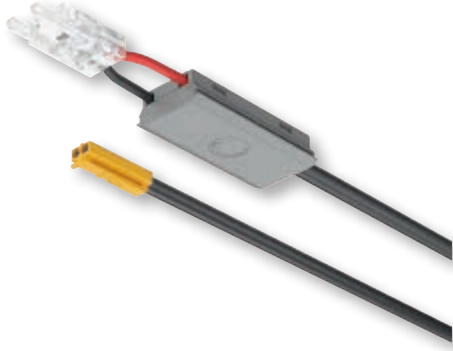
Voltage	Length mm	Cat. No.
5 12V	1000	833.95.831
	2000	833.95.830
5 24V	1000	833.95.836
	2000	833.95.835

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

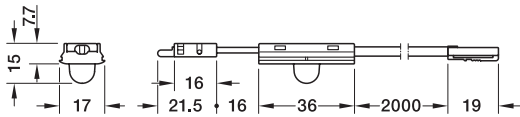
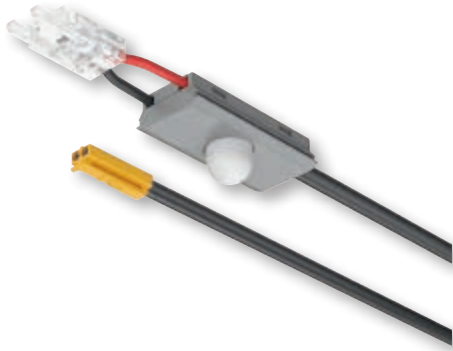
Voltage	Max. connected wattage W	Cat. No.
5 12V	60	833.95.751
5 24V	120	833.77.836

! 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



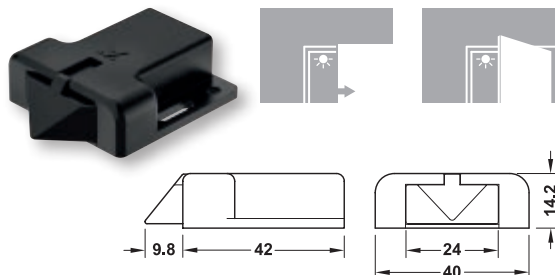
- > Area of application: For monochrome 8 mm Loox5 LED strip lights in aluminium profiles with 16 mm internal width.
- > Material/colour: Plastic, silver coloured
- > Drill hole Ø: Plug 8 mm
- > Mounting: For push fitting into aluminium profile
- > Sensor range: 0–2500 mm
- > Delay time: 30 sec.
- >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



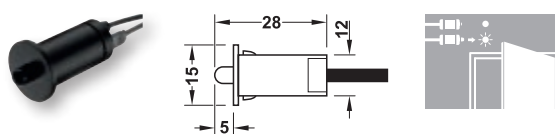
- > Degree of protection: IP20
- > Supplied with: 1 lead

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

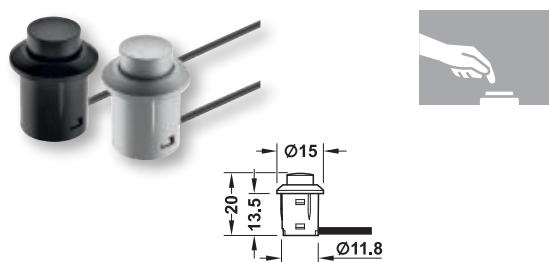


- > Degree of protection: IP20
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

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



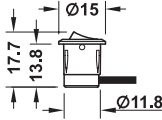
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

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

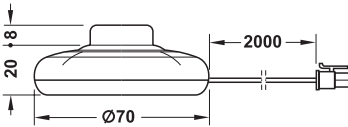


- > Material/colour: Plastic, black
- > Diameter: 15 mm
- > Height: 17.7 mm
- > Drill hole Ø: 12 mm
- > Supplied with: 1 switch with 2 m lead

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

! Drill hole Ø for plug: 12 mm

Häfele Loox foot switch – on/off switching

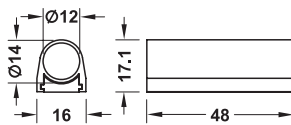


- > Material/colour: Plastic, black
- > Diameter: 70 mm
- > Height: 28 mm
- > Degree of protection: IP20
- > Supplied with: 1 switch with 2 m lead

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

! Drill hole Ø for plug: 12 mm

Housing for Häfele Loox switch, for surface mounting

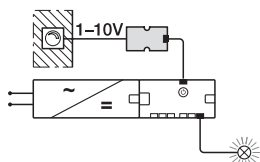


- > Material: Plastic
- > Supplied with: 1 housing
- > Application: For switch Ø 12 mm
- > Mounting: For glue fixing

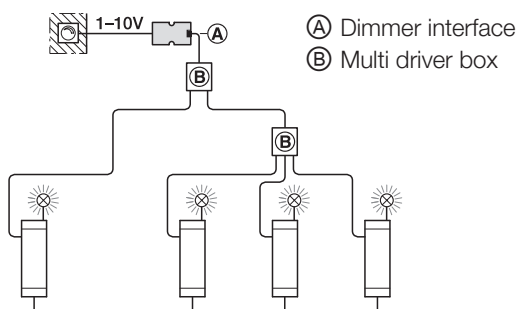
Ø mm	Dim. (L x W x H) mm	Colour	Cat. No.
14	48 x 16 x 17.1	Silver coloured	833.89.092
		Black	833.89.163
		White	833.89.165

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

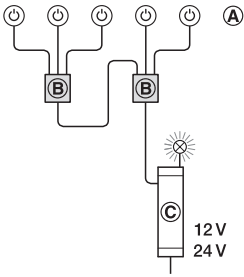


- > Area of application: Modular switches
- > Version: With snap-in connector
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

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



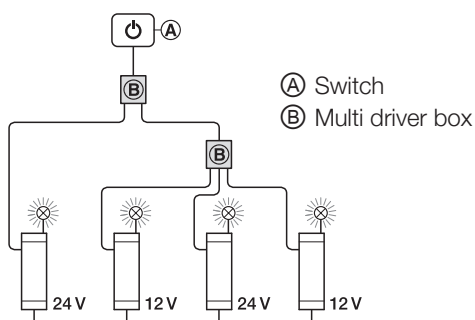
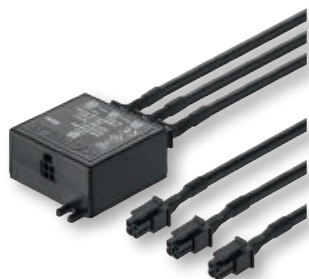
- > Length: 2000 mm
- > Supplied with: 1 lead

	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
RGB adapter

> Page 125
> Page 125



125

Häfele Connect Mesh remote controls

Remote control
Wall mounted push button
Furniture switch

> Page 126
> Page 126
> Page 127



126

Häfele Connect Mesh motion detector

Motion detector
Motion detector 12/24 V

> Page 128
> Page 129



128

Häfele Connect Mesh interface

4-channel interface
2-channel interface

> Page 130
> Page 131



130

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

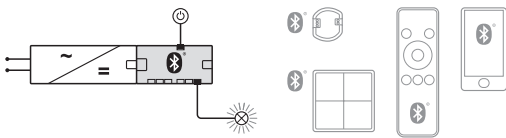
4-way distributor	> Page 137
Multi-white 4-way distributor	> Page 137
RGB 4-way distributor	> Page 137
Remote control	> Page 137



Distributors


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

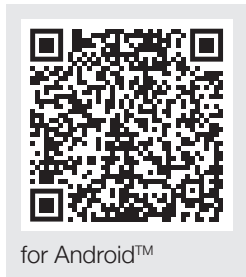
- > Detects and reports new nodes in the network independently
- > Intuitively assign functions to switches
- > Set up light groups and scenes
- > Share your protected access with others
- > The Häfele Connect Mesh App is free for Apple iOS® and Android™.



 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

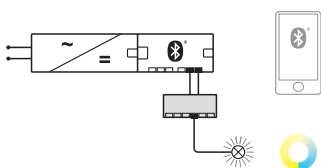


LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Adapter



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

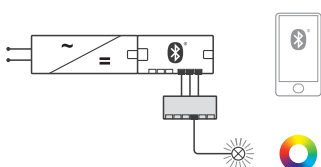


1 multi-white adapter occupies 2 output ports at the 6-way distributor.

- > 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

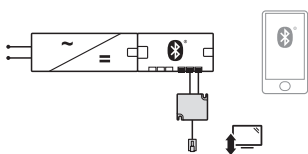


1 RGB adapter occupies 3 output ports at the 6-way distributor.

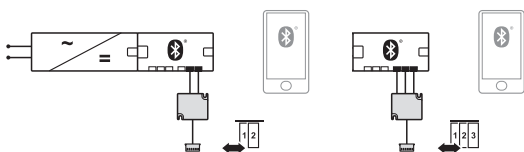
- > Area of application: For connecting RGB lights to the Häfele Connect Mesh 6-way distributor
- > Material/colour: Plastic, black
- > Dim. (L x W x H): 70 x 30 x 14 mm
- > Number of connections: 3x input port with plug, monochrome
6x output ports for device sockets, RGB
- > Supplied with: 1 distributor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



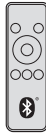
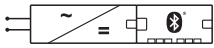
- > Area of application: For connecting electrically operated fittings to the Häfele Connect Mesh 6-way distributor.
- > Supplied with: 1 distributor

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

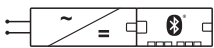
- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Easy, direct pairing with a 6-way distributor or programming of buttons via app to control each node of the network
- > Version: Multi-function control panel
- > Material: Plastic
- > Colour: Top shell: 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

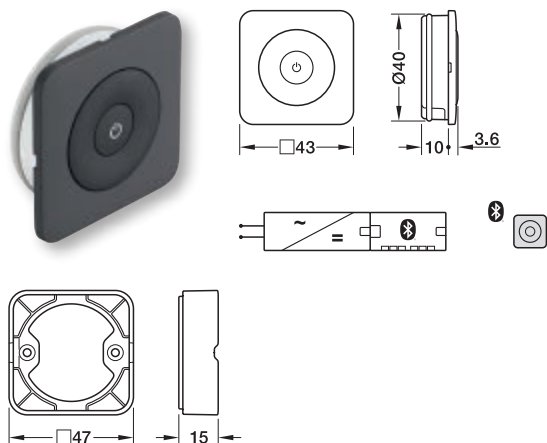
	Cat. No.
Wall mounted push button	850.00.041

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

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

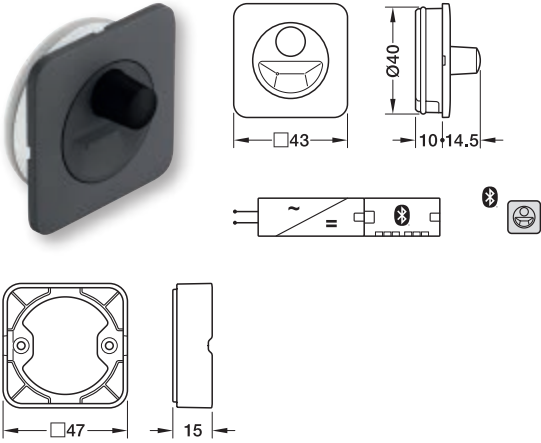
SWITCHING

NETWORKING

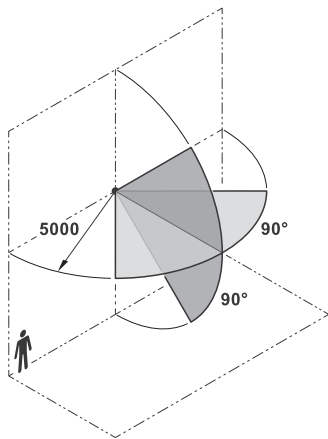
DISTRIBUTING

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.

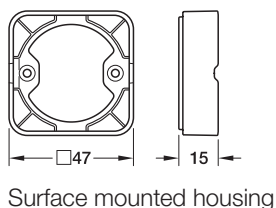
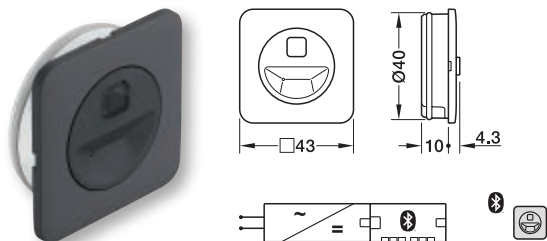
Order reference
Please order Häfele Connect Mesh 6-way distributor separately. Please order 1 lithium button cell battery CR2032 (1 x 002.99.032) separately.

➔ Häfele Connect Mesh 6-way distributor see page 124

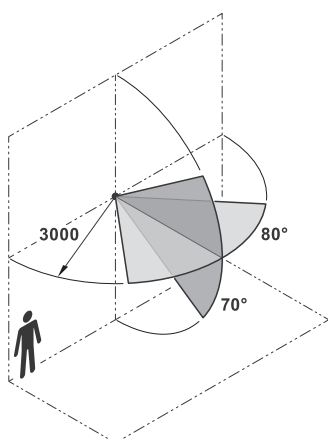
Controls



Häfele Connect Mesh motion detector, modular



Surface mounted housing



Sensor range

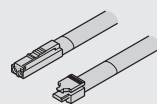
- > Area of application: For controlling Häfele Connect Mesh components in a network
- > Configuration: Programming of the motion detector and brightness sensor via app to actuate each node of the network. Modular lead is only required for the power supply. The switching signal is transmitted via Bluetooth.
- > 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

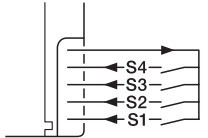
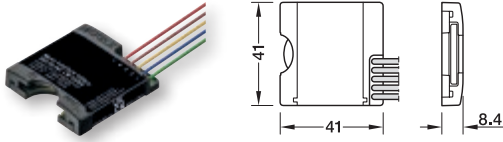


> Lead, 1.5 A/24 AWG, with snap-in connector

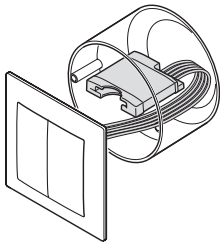
Voltage	Length mm	Cat. No.
5 12V	1000	833.95.789
	2000	833.95.788
5 24V	2000	833.95.791

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

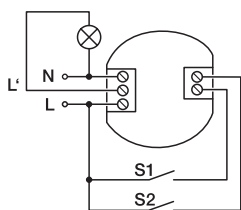
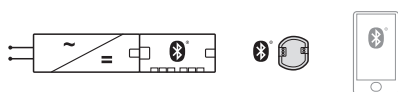
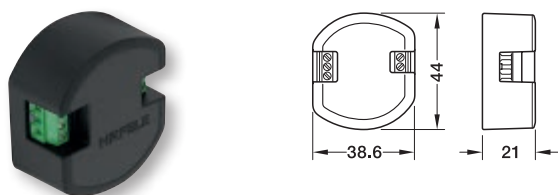
LOOX 2022, HDE-en, 03/22; Dimensional data not binding. We reserve the right to alter specifications without notice.

Controls

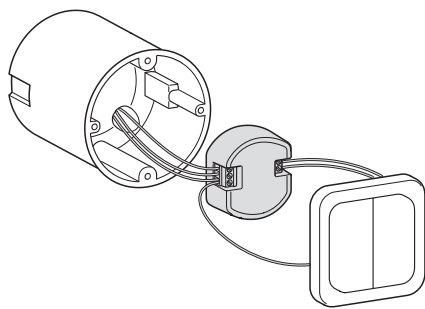


2-channel interface, Häfele Connect Mesh, with potential free relay 80–230V

- > 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.

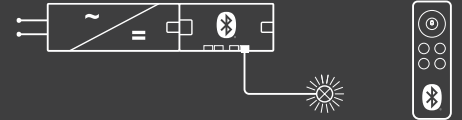
Compatible push button

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.



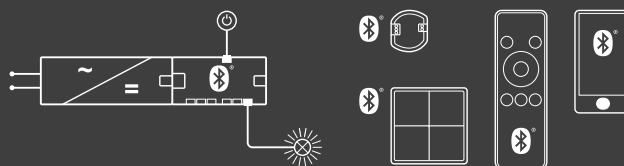
Connect Mesh eco. For simple solutions.

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.

ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



DISTRIBUTING



SUPPLYING



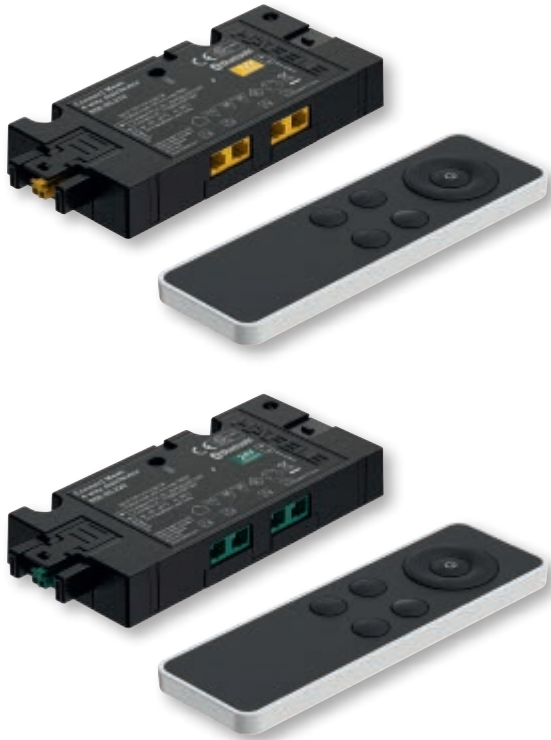
Networking

Distributor and remote control – Eco



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

Monochrome



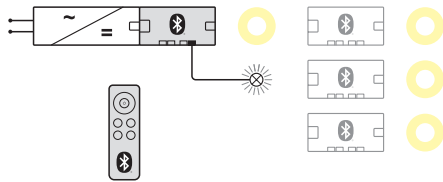
- > Sets coupled from the factory for immediate start-up
- > Ideal for small networks with max. 4 distributors and 1 remote control

- > 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).

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



4-way distributor, monochrome
(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 (monochrome). Please order extension distributor and drivers separately. Please note nominal voltage!



Individual extension distributor see page 137

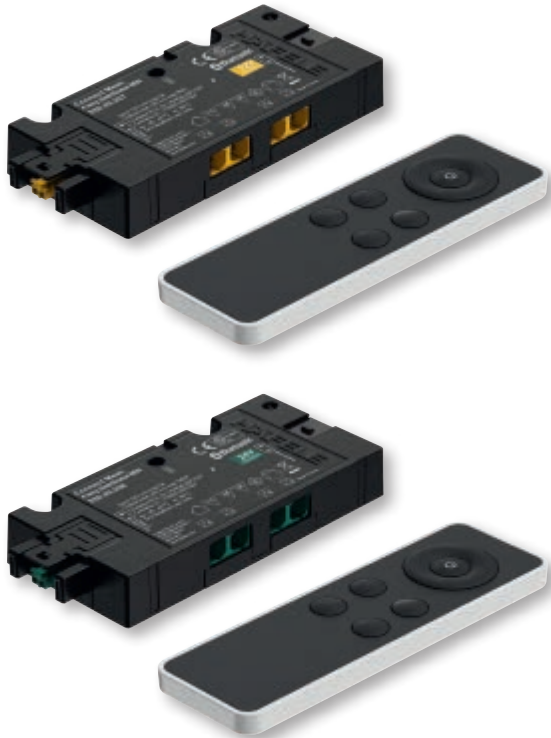
Networking

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

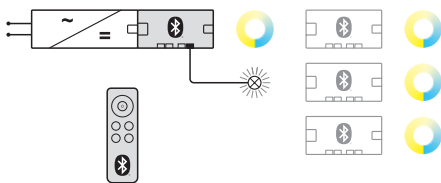
Please use Häfele Connect Mesh 6-way distributor for maximum performance with switching function and app control. The distance within the network applies in the event of a clear view. Obstacles and electromagnetic interference sources can reduce the range. Another 4-way distributor can be used as a signal 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)

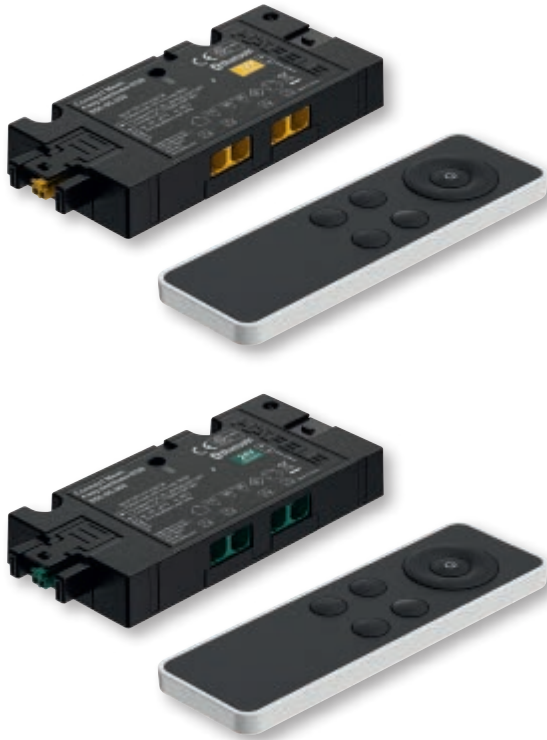
Networking

Distributor and remote control – Eco



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

RGB



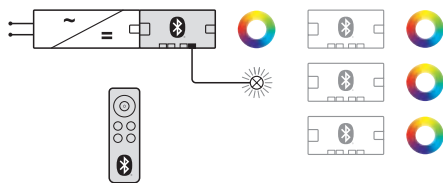
- > Sets coupled from the factory for immediate start-up
- > Ideal for small networks with max. 4 distributors and 1 remote control

- > 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

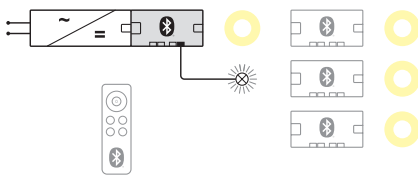
Networking

Distributor and remote control – Eco

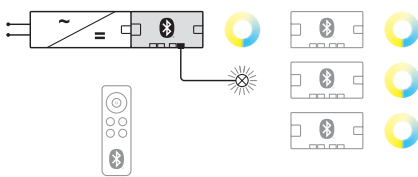


Häfele Connect Mesh Eco 4-way distributor

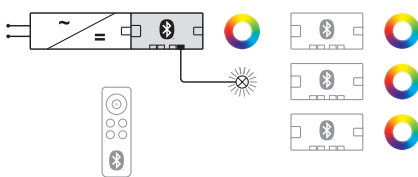
Individual components for extending the sets



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

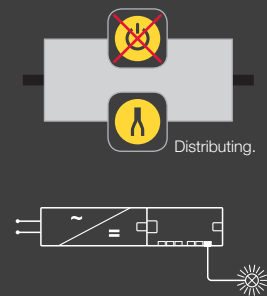
Switching or networking. The distributors at a glance.

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**

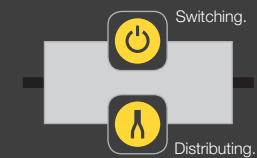


With wired controller.

Various distributors are available for wired control of lighting systems.

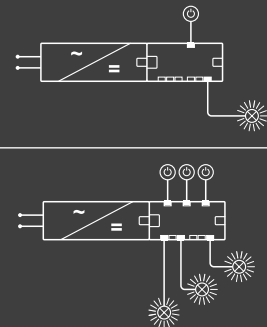
The basic version allows you to control all 6 outputs simultaneously with 1 switch.

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



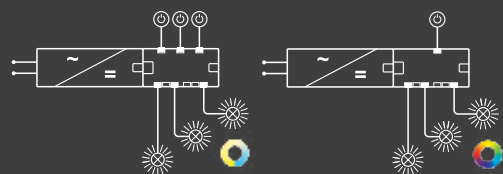
Another distributor provides you with more flexibility with regard to the number of switches and when setting up switching programmes.

> 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**

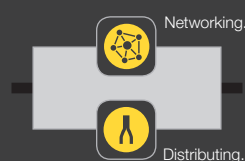


With wireless control.

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

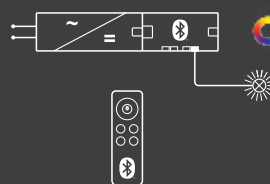
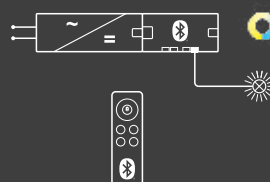
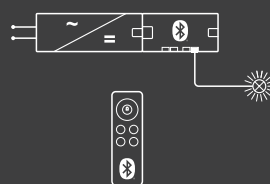
In order to make a start in wireless networking, you can control smaller lighting systems without any set-up effort via the radio remote control.

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



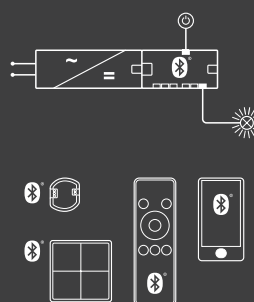
If you work with multi-white or RGB lights, you will also find suitable distributors for control with remote control without any set-up effort.

> 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



142

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



146

Modular leads

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



149

Switch leads

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



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



151

Adapter

- Adapters Loox/Loox5 > Page 158



158

Mains leads

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



160

Cable guide

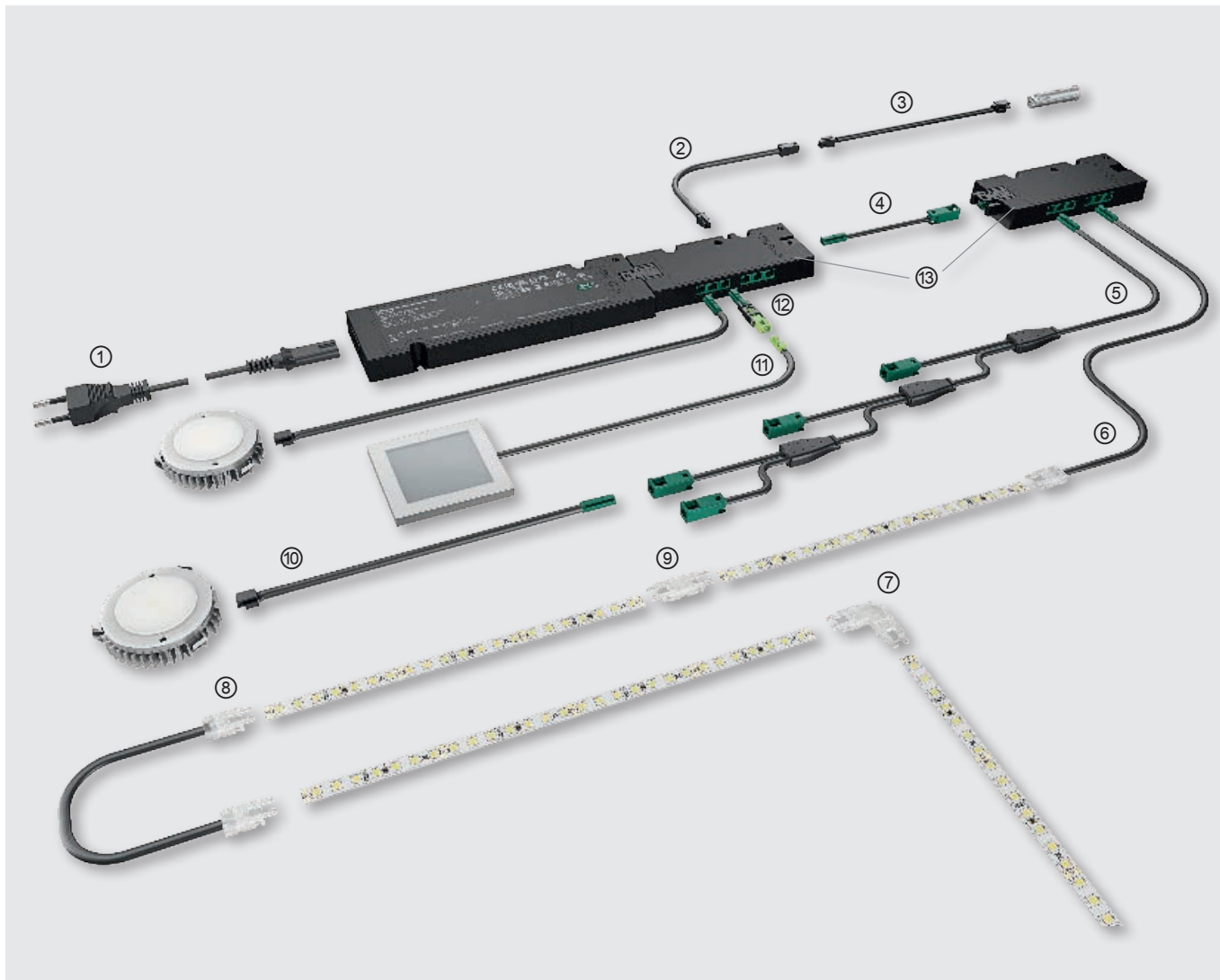
- Cable channel > Page 157
- Cable cover > Page 157



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

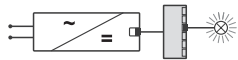
> The connection of the distributors with the driver can be done via a box to box plug-in connection or via an extension lead. Any number of distributors can be connected to the driver. Observe maximum wattage!

Häfele Loox5 6-way distributor without switching function



- > 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

Can also be connected to 6-way distributor

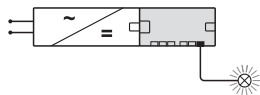


Voltage V	Max. connected wattage W	Without switching function
5 12V	60	833.95.786
5 24V	120	833.77.839

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



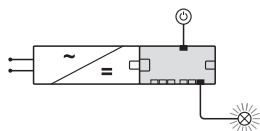
Voltage V	Max. connected wattage W	Box to box without switching function
5 12V	60	833.95.747
5 24V	120	833.77.832

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



- > 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

1 switch controls all output ports

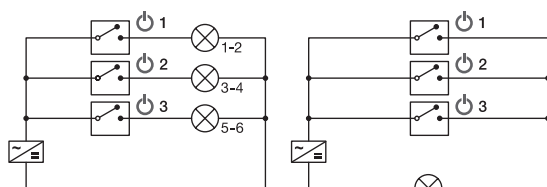
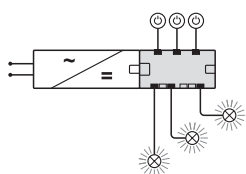


Voltage V	Max. connected wattage W	Box to box with switching function
5 12V	60	833.95.748
5 24V	120	833.77.833

Distributors

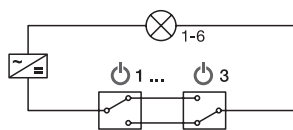


Häfele Loox5 box to box 6-way distributor with multi-switching function



Group circuit

OR circuit



Digital cross circuit

- > 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

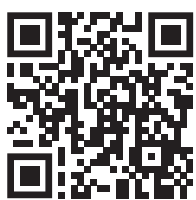
OR circuit (blue feedback LED)

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

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



Video instructions

Distributors



ILLUMINATING

EXTENDING

SWITCHING

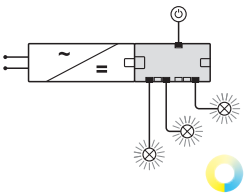
NETWORKING

DISTRIBUTING

SUPPLYING



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

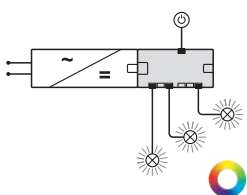


Video instructions

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

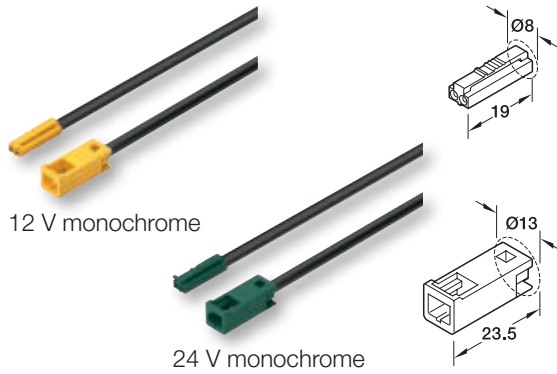
Extension leads

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).

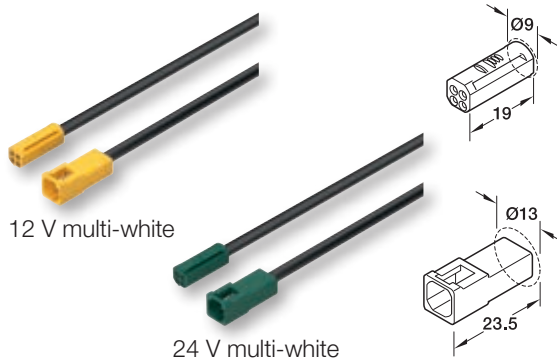
Häfele Loox5 extension leads monochrome



- > 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

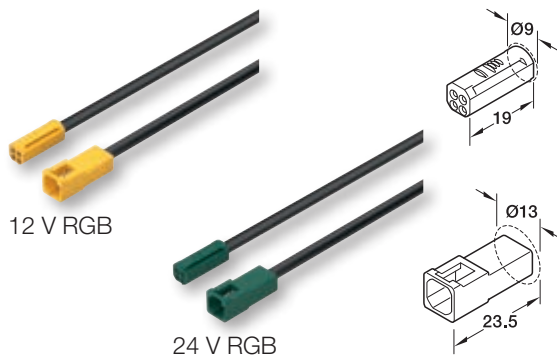
Häfele Loox5 extension leads multi-white



- > 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



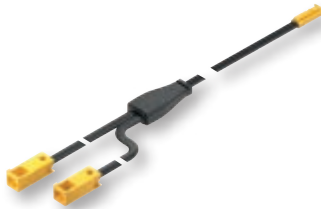
- > Area of application: For RGB lights
- > Material: Plastic
- > Current carrying capacity: Max. 3.5 A
- > Drill hole Ø: Plug 9 mm, socket 13 mm
- > Supplied with: 1 extension lead
1 plug/1 socket

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

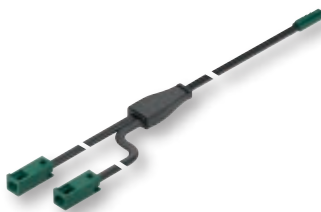
Extension leads

Y extension lead for Häfele Loox5 monochrome

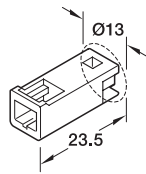
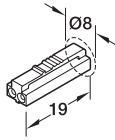
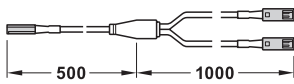
for Loox5 monochrome lights and distributors



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 12 V	1500	833.93.737
	5 24 V	1500	833.75.744

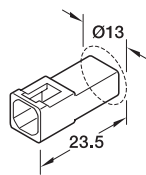
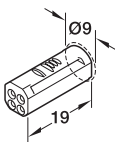
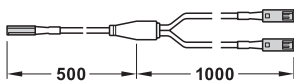
Y extension lead for Häfele Loox5 multi-white



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

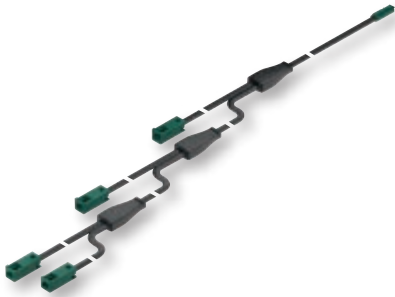
Type of cable	Voltage	Length mm	2000 mm
Monochrome (2-wire 18 AWG)	5 12 V	1500	833.93.738
	5 24 V	1500	833.93.739

Extension leads

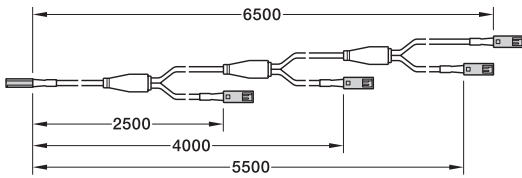
Häfele Loox5 4-way extension lead, monochrome



12 V monochrome



24 V monochrome



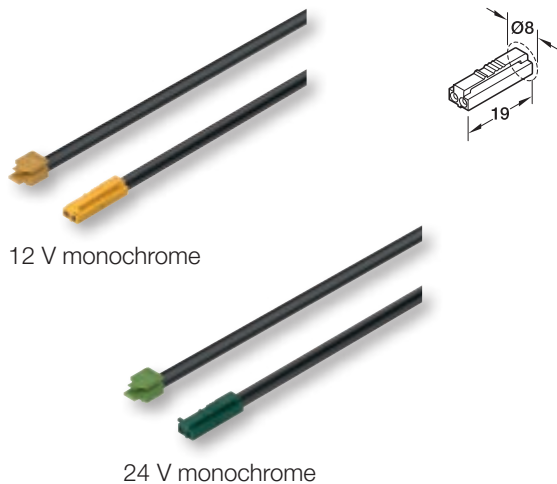
- > Area of application: For monochrome lights and other 2-pin devices and distributors
- > Current carrying capacity: Max. 5 A
- > Drill hole Ø: Plug 8 mm, socket 13 mm
- > Supplied with: 1 extension lead
1 plug/4 sockets

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

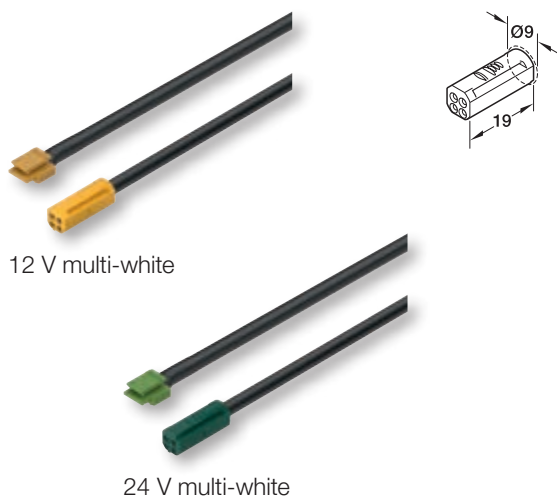
Häfele Loox5 lead for modular lights and other modular devices



- > 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
			2000	833.95.788
		5 24V	2000	833.95.791
Monochrome (2-wire 18 AWG)	max. 5 A	5 12V	1000	833.95.831
			2000	833.95.830
		5 24V	1000	833.95.836
			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



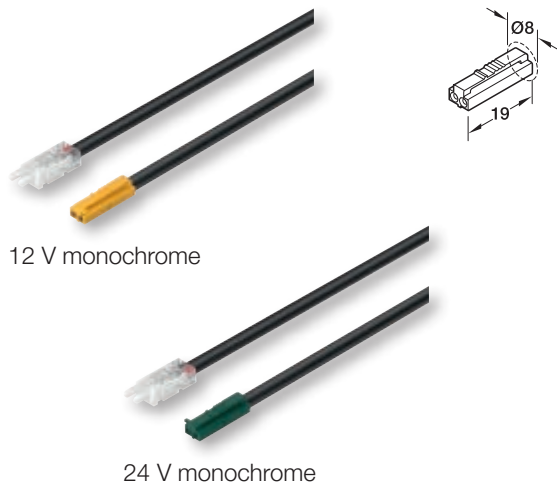
- > Area of application: Multi switch box and multi driver box
- > Drill hole Ø: Plug 12 mm
- > Supplied with: 1 lead plug/plug

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

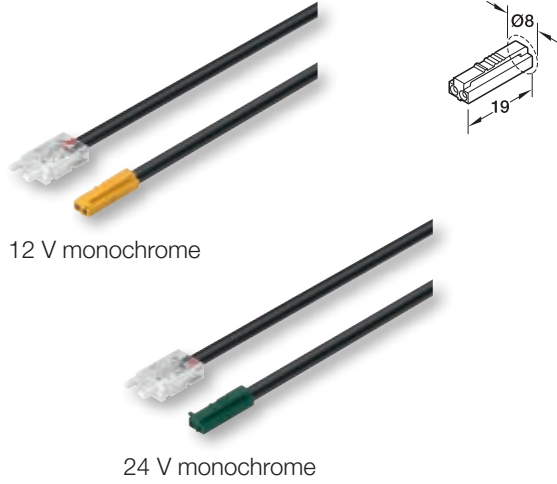
Length mm	Width mm	Cat. No.
21	21	833.89.190

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

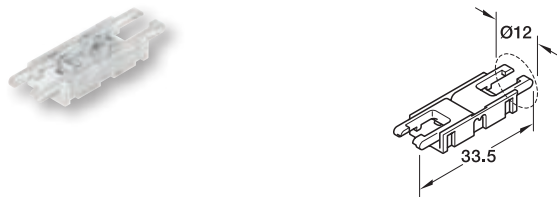
Häfele Loox5 interconnecting lead for LED strip light monochrome, 8 mm



- > 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



12 V monochrome



24 V monochrome

- > 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 12 V	2000	833.95.703
	5 24 V	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

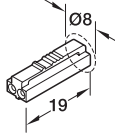
➔ Connections with degree of protection IP20 can be established with leads and clips from page 152 for the monochrome silicone strip light 8 mm.

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

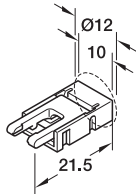


24 V monochrome COB

- > 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 ^{24 V}	100	833.75.762
		500	833.75.763
		2000	833.75.764

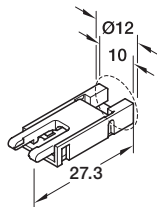
Häfele Loox5 interconnecting lead for 8 mm COB monochrome LED strip light



- > 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

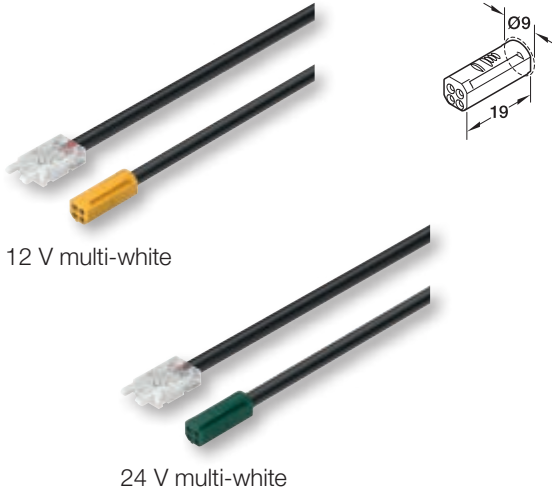
Length mm	Cat. No.
28	833.75.767

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

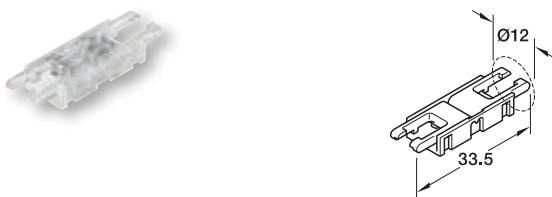
Häfele Loox5 interconnecting lead for LED strip light multi-white, 8 mm



- > 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

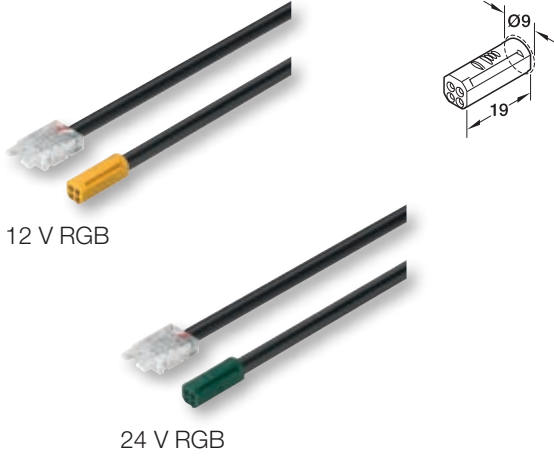
Length mm	Width mm	Cat. No.
24	24	833.89.188

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

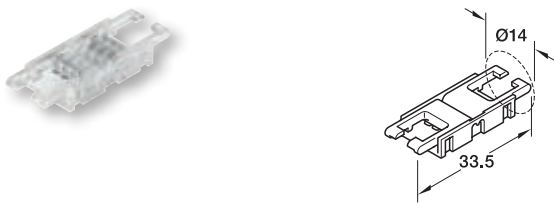
Häfele Loox5 interconnecting lead for LED strip light RGB, 10 mm



- > 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

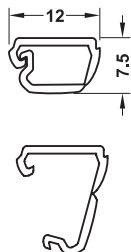


- > Current carrying capacity: Max. 3.5 A
- > Supplied with: 10 corner connectors

Length mm	Width mm	Cat. No.
26	26	833.89.189

Cable guide

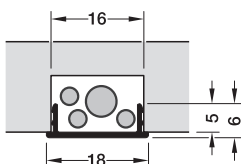
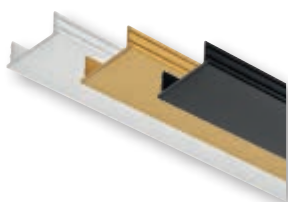
Häfele Loox cable channel



- > 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

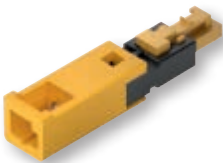
Finish	Cat. No.
Black, RAL 9005	833.74.797
Beige, RAL 1001	833.74.796
White, RAL 9010	833.74.795



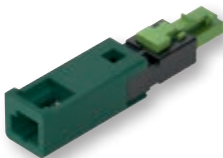
Adapter

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!

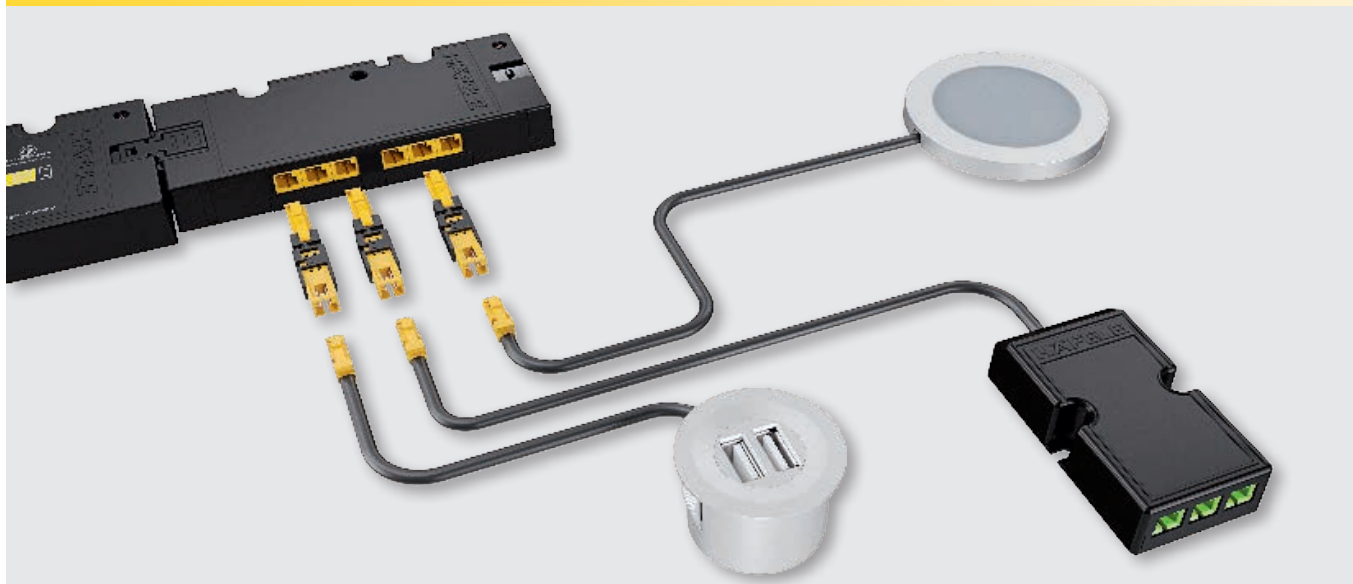
Adapter leads for LED strip lights with Loox5 clip for connecting to Loox driver or colour mixer

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

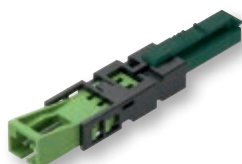
Adapter

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

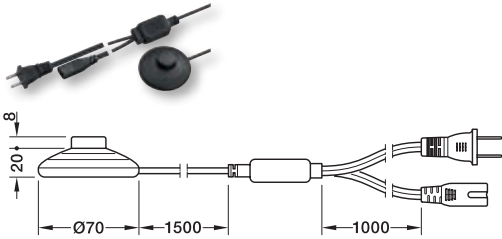
Device	Power supply unit	Max. connected wattage W	Cat. No.
12 V	5 12 V	max. 42	833.95.753
24 V	5 24 V	max. 84	833.77.838

⚠ 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!

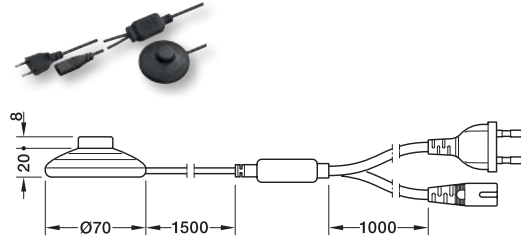
Mains leads

Mains lead, country-specific, C7 socket (small appliance plug)

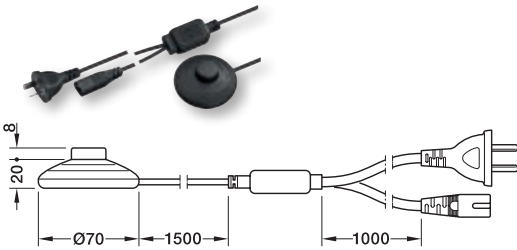
- > Material: Plastic
- > Colour: Black



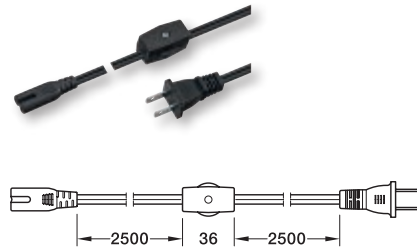
833.89.210 US



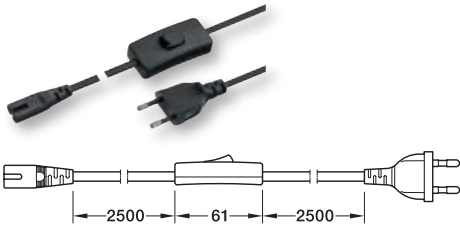
833.89.211 EU



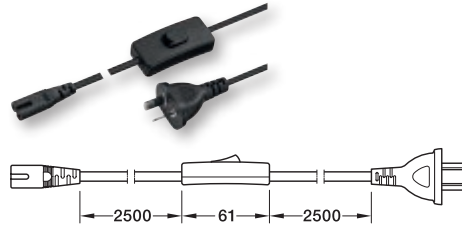
833.89.212 AU



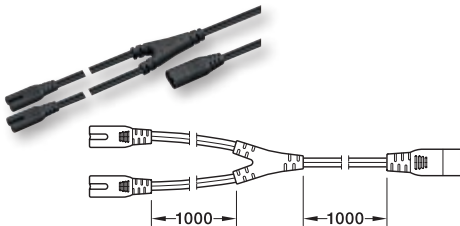
833.89.213 US



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
		250	2 x 0.75 mm ²	2000	Y-extension	833.89.217
	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

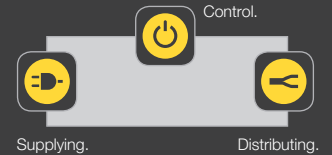
Mains lead, country-specific, C13 socket (cold appliance plug)



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.

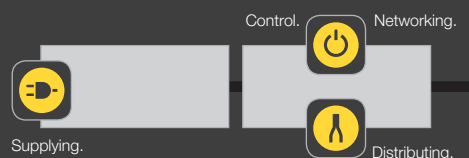
You want to use a small lighting system in a furniture item. The planning only includes a few lights and the connection is wired.

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

ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

DISTRIBUTING

SUPPLYING

Häfele Loox5 drivers 12 V

- Constant voltage 12 V > Page 165
- Constant voltage 12 V > Page 168
for LED lighting, with integrated switching function



Häfele Loox5 drivers 24 V

- Constant voltage 24 V > Page 166
- Constant voltage 24 V > Page 169
for LED lighting, with integrated switching function
- 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

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

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



Driver 240 W, 200-240 V~
833.95.012

EXTRA
POWER



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



- > 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	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	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

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.

! 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 \pm 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 $+45\text{ °C}$.
 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

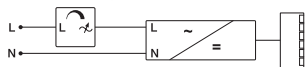
24 V – dimmable



Dimmable driver

Dimmable with leading-edge phase dimmer or trailing-edge phase dimmer

- > Easy integration into house installation
- > Can be dimmed directly at the driver input



Connection diagram: leading-edge phase dimmer or trailing-edge phase dimmer connected to driver in series

- > 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.

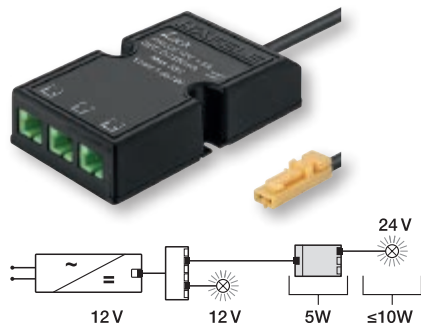
Intended use:

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



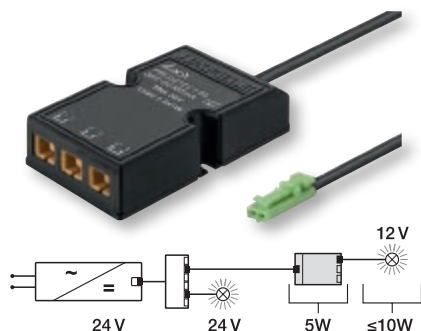
- > Application: Connecting 24 V lights to the 12 V system
- > Wattage: Input 15 W, output 10 W
- > Primary side: DC 12 V
- > Secondary side: DC 24 V
- > Number of output ports: 3 connections for 24 V lights
- > Supplied with: 1 converter with 200 mm lead

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					
									Current carrying capacity of strip light: 5 A				
					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					

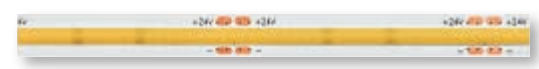

* 240 W driver (2 slots with 120 W each)


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		
		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		
			LED 3047	2 x 120	2700	1865		785	430	270	9.6
					5000	2045		865	475	295	
			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

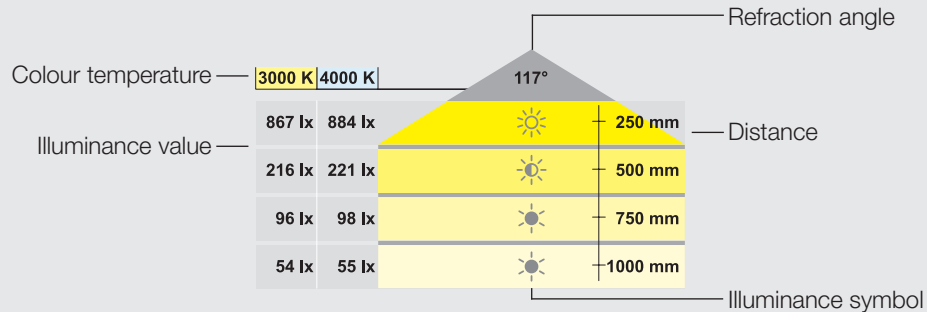
Luminous flux lm/m	Luminous efficiency lm/W	Section length mm	Colour rendering index CRI		Available length		Max. strip length (visual) m	Max. strip length wattage-dependent m on the Loox5 driver per slot				
			R _a	R ₉	5 m	50 m		20 W	40 W	60 W	90W	120 W*
								Current carrying capacity of strip light: 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



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!





	>500 lx
	150–500 lx
	<150 lx

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)

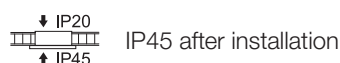
Protection classes

-  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>

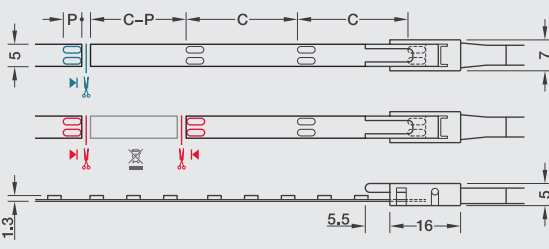
Information

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" data-bbox="470 521 1455 759"> <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	<p>Ratio of transmitted light to incidental light. An ideal transparent body has light permeability of 100 %.</p>																												
Lumen	<p>See luminous flux</p>																												
Luminous efficiency	<p>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).</p>																												
Luminous flux	<p>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 %.</p>																												
Lux	<p>See illuminance</p>																												
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. 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. 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	<p>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.</p>																												

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/smoothing 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/smoothing. 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.

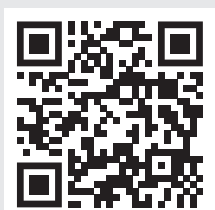
Why does my LED light flash?

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.



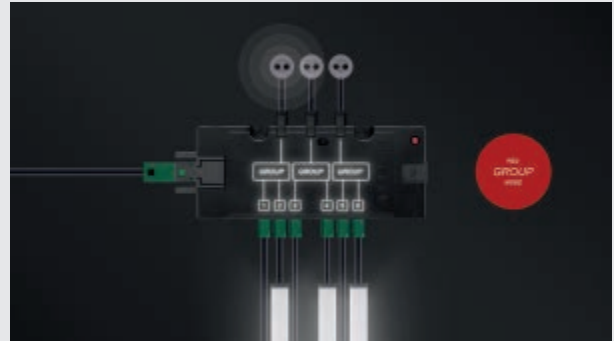
www.hafele.com

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					max. (m)	LED	T _A
	20W	40W	80W	270W				
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

HDE 04 11/2021

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

EUROPA

Hauptsitz

Deutschland

Häfele SE & Co KG
72202 Nagold
Phone: +49 74 52/95-0
info@haefe.de
www.haefe.de

Belgien

Häfele Belgium N. V.
9240 Zele
Phone: +32 52/45 01 14
info@haefe.be
www.haefe.be

Dänemark

Häfele Danmark A/S
7800 Skive
Phone: +45 97/51 15 22
info@haefe.dk
www.haefe.dk

Finnland

Häfele GmbH & Co KG
Stuulike Suomesa
15680 Lahti
Phone: +358 3/8 77 77-0
info@haefe.fi
www.haefe.fi

Frankreich

Häfele France s.à.r.l.
95157 Taverny Cédex
Phone: +33 1/30 40 54 50
info@haefe.fr
www.haefe.fr

Griechenland

Häfele GmbH & Co KG
Hellas Information Office
19014 Kapandriti
Phone: +30 2 10/6 17 95 44
info@haefe.gr
www.haefe.gr

Großbritannien

Häfele U.K. Limited
Rugby, Warks. CV211RD
Phone: +44 17 88/54 20 20
info@haefe.co.uk
www.haefe.co.uk

Irland

Häfele (Ireland) Limited
Kilcoole, Co. Wicklow
Phone: +353 1/2 87 34 88
info@haefe.ie
www.haefe.ie

Italien

Häfele Italia s.r.l.
20841 Carate Brianza MB
Phone: +39 03 62/57 74-1
info@haefe.it
www.haefe.it

Kroatien

Häfele Adriatic d.o.o.
Podravnica Zagreb
Kovinska 4A
HR-10090 Zagreb
Phone: + 385 (0) 1 3462 444
info-croatia@haefe.com
www.haefe.com

Niederlande

Häfele Nederland B.V.
7324 AN Apeldoorn
Phone: +31 55/5 38 46 00
info@haefe.nl
www.haefe.nl

Österreich

Häfele Austria GmbH
5322 Hof bei Salzburg
Phone: +43 62 29/3 90 39-0
info@haefe.at
www.haefe.at

Polen

Häfele Polska Sp. z o.o.
55-095 Mirków
Phone: +48 71/74 72 300
info@haefe.pl
www.haefe.pl

Portugal

Häfele GmbH & Co KG
Escritorio de Vendas Portugal
4465-671 Leça do Balio
Phone: +351 22/9 05 90 80
info-portugal@haefe.com
www.haefe.pt

Rumänien

Häfele Romania S.R.L.
300238 Timișoara
Phone: +40 2 56/30 61 72
info@haefe.ro
www.haefe.ro

Russland

Häfele Rus. LLC
117420 Moscow
Phone: +7 4 95/7 87 07 85
info@haefe.ru
www.haefe.com/ru

Schweden & Norwegen

Häfele GmbH & Co KG
Tyskland Filial Sverige
55303 Jönköping
Phone: +46 36/18 00 88
info@haefe.se
www.haefe.se

Schweiz

Häfele Schweiz AG
8280 Kreuzlingen
Phone: +41 71/6 86 82 20
info@haefe.ch
www.haefe.ch

Serbien

Häfele Serbia d.o.o.
11080 Beograd - Zemun
Phone: +381 11/3 77 05 51
info@haefe.rs
www.haefe.rs

Slowenien

Häfele Adriatic d.o.o.
Pod Jelkami 2
SI-1218 Komenda
Phone: + 386 (0) 1 620 7200
info@haefe.si
www.haefe.si

Spanien

Häfele Herrajes España S.L.
28923 Alcorcón-Madrid
Phone: +34 91/6 44 80 21
info@haefe.es
www.haefe.es

Tschechien & Slowakei

Häfele Czech & Slovakia s.r.o.
15 500 Praha 5
Phone: +420 2/41 09 50 00
info@haefe.cz
www.haefe.cz

Türkei

Häfele San. ve Tic. A.S.
34776 Ümraniye/Istanbul
Phone: +90 2 16/5 28 59 00
info@haefe.com.tr
www.haefe.com.tr

Ukraine

Häfele Ukraine LLC
79037 Lviv
Phone: +380 32/2 35 15 59
info@haefe.ua
www.haefe.ua

Ungarn

Häfele GmbH & Co KG
Maroszági Képvisező Iroda
1132 Budapest
Phone: +36 1/2 25 34 14
info-hungary@haefe.de
www.haefe.com

AFRIKA

Ostafrika

Häfele GmbH & Co KG
Representative Office
Dar Es Salaam
Phone: +2 55 22/2 86 59 18
info@haefe-eastfrica.com
www.haefeeastfrica.com

Südafrika

Häfele South Africa (Pty) Ltd.
Johannesburg
Phone: +27 11/7 96 81 00
info@haefe.co.za
www.haefe.co.za

AMERIKA

Argentinien

Häfele Argentina S.A.
B1611GFG-Don Torcuato-
Buenos Aires
Phone: +54 11/63 47 26 00
info@haefe.com.ar
www.haefe.com.ar

Brasilien

Häfele Brasil Ltda.
83302-000 Piraquara-Paraná
Phone: +55 41/30 34-81 50
info@haefe.com.br
www.haefe.com.br

Chile

Häfele GmbH & Co KG
Agencia en Chile
Las Condes - Santiago
Phone: +56 2/29 54 77 67
info.rch@haefe.cl
www.haefe.cl

Kanada

Häfele Canada Inc.
Burlington, ON L7L 6A8
Phone: +1 9 05/3 36 66 08
info_can@hafeleamericas.com
www.haefe.ca

Kolumbien

Häfele Colombia S.A.S.
CRA 55B # 79-45 Bogota
Phone: +57 1/2 40 20 33
info@haefe.com.co
www.haefe.com.co

Mexiko

Häfele de México S.A.de C.V.
El Marqués, Querétaro, 76246
Phone: +52 442/2 96 86 00
hmxinfomexico@haefe.com.mx
www.haefe.com.mx

USA

Häfele America Co.
Archdale, N.C. 27263
Phone: +1 3 36/4 34 23 22
info@haefe.us
www.haefe.com/us

ASIEN

China

Häfele Hardware Technology
(China) Co. Ltd.
101318 Beijing
Phone: +86 10/80 48 26 86
info_bj@haefe.com.cn
www.haefe.com.cn

Hong Kong

Häfele GmbH & Co KG
HK Representative Office
Hong Kong
Phone: +852/23 68 64 33
info_hk@haefe.com.cn
www.haefe.com.hk

Indien

Häfele India Private Limited
Mumbai 400 042
Phone: +91 22/61 42 61 00
info@hafeleindia.com
www.haefeindia.com

Indonesien

P.T. Häfele Indotama
Serpong-Tangerang 15314
Phone: +62 21/75 87 88 88
info@haefe.co.id
www.haefe.co.id

Japan

Häfele Japan K.K.
Totsuka-ku, Yokohama
244-0806
Phone: +81 45/8 28 31 17
info@haefe.co.jp
www.haefe.co.jp

Kasachstan

Häfele Kazakhstan LLP
050062 Almaty
Phone: +7 727/3 75 12 98
info@haefe.kz
www.haefe3d.kz

Korea

Häfele Korea Inc.
Gwangju-si, Gyeonggi-do
Phone: +82 31/7 60 76 00
info@haefe.co.kr
www.haefe.co.kr

Malaysia

Häfele (Malaysia) Sdn Bhd
40150 Shah Alam, Selangor
Phone: +60 3/55 69 25 26
info@haefe.com.my
www.haefe.com.my

Myanmar

Häfele (Myanmar) Co., Ltd.
Representative office
Bahan Township, Yangon
Phone: +95 1/53 67 41
info@haefe.co.th
www.haefe.co.th

Philippinen

Häfele Philippines Inc.
Taguig City 1638
Metro Manila
Phone: +63 2/8 42 33 53
info@haefe.com.ph
www.haefe.com.ph

Singapur

Häfele Singapore Pte Ltd.
Singapore 415934
Phone: +65/64 94 74 00
info@haefe.com.sg
www.haefe.com.sg

Taiwan

Häfele Taiwan Limited
New Taipei City 242
Phone: +886 2/22 98 00 30
info@haefe.com.tw
www.haefe.com.tw

Thailand

Häfele (Thailand) Limited
Bangkok 10260
Phone: +66 2/7 41 71 71
info@haefe.co.th
www.haefe.co.th

Vietnam

Häfele Vietnam LLC
Ho Chi Minh City
Phone: +84 8/39 11 31 13
info@haefe.com.vn
www.haefe.com.vn

AUSTRALIEN, NEUSEELAND

Australien

Häfele Australia Pty. Ltd.
Dandenong, VIC 3175
Phone: +61 3/92 12 20 00
info@haefe.com.au
www.haefe.com.au

Neuseeland

Häfele (N.Z.) Limited
East Tamaki, Auckland
Phone: +64 9/2 74 20 40
info@haefe.co.nz
www.haefe.co.nz

MITTLERER OSTEN

Bahrain

Häfele GmbH & Co KG
Representative Office
Manama
Phone: +973 1755 2490
info.bahrain@haefe.com
www.haefe.ae

Kuwait

Häfele GmbH & Co KG
Representative Office
Safat 13096
Phone: +965 2 473 1325
info.kuwait@haefe.com
www.haefe.ae

Qatar

Häfele GmbH & Co KG
Representative Office
Doha
Phone: +974 44 50 26 78
info.qatar@haefe.com
www.haefe.ae

Saudi Arabia

Häfele GmbH & Co KG
Representative Office
Jeddah 21563
Kingdom of Saudi Arabia
Phone: +966 12 6110458
info.jeddah@haefe.com
www.haefe.ae

UAE

Häfele GmbH & Co KG
Representative Office
Dubai
Phone: +971 4 284 4406
info@haefe.ae
www.haefe.ae

Article index

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
002.99.032	126	833.72.382	63, 65, 67	833.72.610	75	833.73.753	105	833.74.369	35	833.75.350	75
002.99.034	126	833.72.383	67	833.72.611	75	833.73.754	105	833.74.370	43	833.75.351	75
006.13.485	172	833.72.384	67	833.72.612	75	833.73.755	105	833.74.371	43	833.75.352	75
802.07.900	58	833.72.385	63, 65, 67	833.72.620	75	833.73.756	105	833.74.372	33	833.75.360	75
802.07.910	58	833.72.401	77	833.72.621	75	833.74.070	91	833.74.373	33	833.75.361	75
803.24.900	58	833.72.402	77	833.72.622	75	833.74.080	91	833.74.374	33	833.75.362	75
803.25.950	58	833.72.403	77	833.72.630	75	833.74.088	93	833.74.375	33	833.75.546	73
822.65.001	106	833.72.470	71	833.72.631	75	833.74.089	93	833.74.376	33	833.75.547	73
822.65.034	107	833.72.471	71	833.72.632	75	833.74.127	89	833.74.377	33	833.75.548	73
822.65.039	107	833.72.472	71	833.72.640	75	833.74.230	83	833.74.378	33	833.75.549	73
833.72.053	81	833.72.473	71	833.72.641	75	833.74.231	83	833.74.379	33	833.75.560	69
833.72.054	81	833.72.474	63	833.72.642	75	833.74.232	83	833.74.380	45	833.75.561	69
833.72.055	101	833.72.475	63	833.72.650	75	833.74.233	83	833.74.733	58	833.75.562	69
833.72.056	101	833.72.476	63	833.72.651	75	833.74.240	85	833.74.780	61	833.75.563	69
833.72.057	101	833.72.477	63	833.72.652	75	833.74.241	85	833.74.781	61	833.75.705	158
833.72.058	101	833.72.478	65	833.72.716	158	833.74.242	85	833.74.795	157	833.75.706	158
833.72.075	101	833.72.500	63, 65, 66	833.72.717	158	833.74.243	85	833.74.796	157	833.75.707	158
833.72.076	101	833.72.501	63, 65, 66	833.72.718	158	833.74.260	39	833.74.797	157	833.75.732	158
833.72.077	101	833.72.502	66	833.72.742	158	833.74.261	39	833.74.812	56	833.75.743	152
833.72.078	101	833.72.503	63, 65, 66	833.72.790	58	833.74.262	39	833.74.813	55	833.75.744	147
833.72.084	78	833.72.504	66	833.72.799	172	833.74.263	39	833.74.822	56	833.75.762	154
833.72.085	78	833.72.505	66	833.72.801	75	833.74.320	31	833.74.823	55	833.75.763	154
833.72.086	78	833.72.506	63, 65, 66	833.72.802	75, 77	833.74.321	31	833.74.825	56	833.75.764	154
833.72.087	78	833.72.507	63, 65, 66	833.72.803	75, 77	833.74.322	31	833.74.826	56	833.75.765	154
833.72.088	78	833.72.508	66	833.72.804	75, 77	833.74.323	31	833.74.832	54, 55	833.75.766	154
833.72.089	78	833.72.509	63, 65, 66	833.72.805	75	833.74.324	31	833.74.833	54, 55	833.75.767	154
833.72.124	63, 65, 67	833.72.510	66	833.72.806	73	833.74.325	31	833.74.834	55	833.75.932	169
833.72.125	63, 65, 67	833.72.511	66	833.72.807	73	833.74.326	31	833.74.835	57	833.75.933	169
833.72.126	63, 65, 67	833.72.512	63, 65, 66	833.72.808	73	833.74.327	31	833.74.877	57	833.75.934	169
833.72.127	63, 65, 67	833.72.513	63, 65, 66	833.72.809	73	833.74.328	31	833.74.893	57	833.75.935	169
833.72.143	69	833.72.514	66	833.72.830	79	833.74.329	31	833.74.898	56	833.76.300	31
833.72.144	69	833.72.515	63, 65, 66	833.72.831	79	833.74.330	31	833.74.899	56	833.76.301	31
833.72.145	69	833.72.516	66	833.72.832	79	833.74.331	31	833.74.947	171	833.76.302	31
833.72.146	69	833.72.517	66	833.72.833	79	833.74.332	31	833.75.088	93	833.76.303	31
833.72.160	63, 65, 67	833.72.518	63, 65, 66	833.72.840	54	833.74.333	31	833.75.089	93	833.76.304	31
833.72.162	67	833.72.519	63, 65, 66	833.72.841	54	833.74.334	31	833.75.161	77	833.76.305	31
833.72.163	67	833.72.520	66	833.72.842	54	833.74.335	31	833.75.162	77	833.76.306	31
833.72.164	63, 65, 67	833.72.521	63, 65, 66	833.72.843	54	833.74.336	35	833.75.163	77	833.76.307	31
833.72.166	67	833.72.522	66	833.72.844	48	833.74.337	35	833.75.170	71	833.76.308	31
833.72.167	67	833.72.523	66	833.72.845	48	833.74.338	35	833.75.171	71	833.76.309	31
833.72.168	63, 65, 67	833.72.524	66	833.72.846	48	833.74.339	35	833.75.172	71	833.76.310	31
833.72.170	67	833.72.525	66	833.72.847	48	833.74.340	35	833.75.173	71	833.76.311	31
833.72.171	67	833.72.526	66	833.72.852	54	833.74.341	35	833.75.174	63	833.76.312	31
833.72.172	63, 65, 67	833.72.527	66	833.72.853	54	833.74.342	35	833.75.175	63	833.76.313	31
833.72.174	67	833.72.528	73	833.72.854	48	833.74.343	35	833.75.176	63	833.76.314	31
833.72.175	67	833.72.530	73	833.72.855	48	833.74.344	37	833.75.177	63	833.76.315	31
833.72.176	69	833.72.531	73	833.72.858	61	833.74.345	37	833.75.178	65	833.76.316	35
833.72.178	69	833.72.532	73	833.72.859	61	833.74.346	37	833.75.260	39	833.76.317	35
833.72.179	69	833.72.533	73	833.72.898	60	833.74.347	37	833.75.261	39	833.76.318	35
833.72.180	69	833.72.534	73	833.72.899	60	833.74.348	37	833.75.262	39	833.76.319	35
833.72.182	69	833.72.535	73	833.72.932	168	833.74.349	37	833.75.263	39	833.76.320	35
833.72.183	69	833.72.536	73	833.72.933	168	833.74.350	37	833.75.320	73	833.76.321	35
833.72.184	69	833.72.537	73	833.72.934	168	833.74.351	37	833.75.321	73	833.76.322	35
833.72.186	69	833.72.538	73	833.72.935	168	833.74.352	43	833.75.322	73	833.76.323	35
833.72.187	69	833.72.539	73	833.72.936	61	833.74.353	43	833.75.323	73	833.76.324	37
833.72.188	69	833.72.540	73	833.72.937	59	833.74.354	35	833.75.324	73	833.76.325	37
833.72.190	69	833.72.541	73	833.72.938	59	833.74.355	35	833.75.325	73	833.76.326	37
833.72.191	69	833.72.542	73	833.72.980	58	833.74.356	35	833.75.326	73	833.76.327	37
833.72.192	67	833.72.543	73	833.72.981	54	833.74.357	35	833.75.327	73	833.76.328	37
833.72.193	67	833.72.544	73	833.72.982	54	833.74.358	35	833.75.328	73	833.76.329	37
833.72.194	63, 65, 67	833.72.545	73	833.72.983	48	833.74.359	35	833.75.329	73	833.76.330	37
833.72.195	67	833.72.546	73	833.72.984	48	833.74.360	35	833.75.330	73	833.76.331	37
833.72.196	67	833.72.547	73	833.72.986	56	833.74.361	35	833.75.331	73	833.76.332	43
833.72.197	63, 65, 67	833.72.548	73	833.72.987	56	833.74.362	35	833.75.332	73	833.76.333	43
833.72.323	63	833.72.549	73	833.72.988	55	833.74.363	35	833.75.333	73	833.76.334	35
833.72.350	63	833.72.550	81	833.72.991	57	833.74.364	35	833.75.334	73	833.76.335	35
833.72.351	63	833.72.560	69	833.73.153	80	833.74.365	35	833.75.335	73	833.76.336	35
833.72.352	63	833.72.561	69	833.73.154	80	833.74.366	35	833.75.340	75	833.76.337	35
833.72.380	67	833.72.562	69	833.73.751	105	833.74.367	35	833.75.341	75	833.76.338	35
833.72.381	67	833.72.563	69	833.73.752	105	833.74.368	35	833.75.342	75	833.76.339	35

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
833.76.340	35	833.77.312	97	833.89.141	150	833.89.231	71	833.95.712	146	833.95.784	53
833.76.341	35	833.77.315	97	833.89.142	150	833.89.232	71	833.95.713	146	833.95.785	53
833.76.342	37	833.77.316	97	833.89.143	115	833.89.233	71	833.95.714	146	833.95.786	142
833.76.343	37	833.77.317	97	833.89.144	117	833.89.234	71	833.95.715	146	833.95.787	149
833.76.344	37	833.77.320	98	833.89.148	109	833.89.235	71	833.95.716	146	833.95.788	149
833.76.345	37	833.77.321	98	833.89.163	116	833.89.236	71	833.95.717	146	833.95.789	149
833.76.346	37	833.77.322	98	833.89.165	116	833.89.237	71	833.95.718	146	833.95.790	149
833.76.347	37	833.77.325	98	833.89.166	110	833.89.238	71	833.95.719	146	833.95.791	149
833.76.348	37	833.77.326	98	833.89.167	109	833.89.239	71	833.95.720	146	833.95.794	146
833.76.349	37	833.77.327	98	833.89.168	110	833.89.240	71	833.95.721	146	833.95.796	146
833.76.350	43	833.77.330	99	833.89.169	109	833.89.241	71	833.95.722	46	833.95.797	61
833.76.351	43	833.77.331	99	833.89.170	109	833.89.242	71	833.95.723	46	833.95.820	49
833.76.352	35	833.77.332	99	833.89.171	109	833.89.243	71	833.95.724	46	833.95.821	49
833.76.353	35	833.77.335	99	833.89.172	109	833.89.244	71	833.95.725	46	833.95.825	151
833.76.354	35	833.77.336	99	833.89.173	109	833.89.245	71	833.95.726	47	833.95.828	143
833.76.355	35	833.77.337	99	833.89.174	110	833.89.246	71	833.95.727	47	833.95.829	143
833.76.356	35	833.77.340	100	833.89.175	110	833.89.247	71	833.95.728	49	833.95.830	149
833.76.357	35	833.77.341	100	833.89.176	111	833.89.248	71	833.95.729	49	833.95.831	149
833.76.358	35	833.77.342	100	833.89.177	111	833.89.249	71	833.95.730	49	833.95.835	149
833.76.359	35	833.77.345	100	833.89.178	111	833.89.251	57	833.95.731	49	833.95.836	149
833.76.360	43	833.77.346	100	833.89.179	111	833.89.252	57	833.95.732	50	833.95.875	151
833.76.361	43	833.77.347	100	833.89.180	111	833.89.253	57	833.95.733	50	833.95.890	145
833.76.362	33	833.77.700	61	833.89.181	111	833.89.254	57	833.95.734	50	833.95.891	145
833.76.363	33	833.77.830	125	833.89.182	111	833.89.256	161	833.95.735	50	833.95.892	144
833.76.364	33	833.77.831	125	833.89.183	111	833.89.257	161	833.95.736	52	833.95.893	144
833.76.365	33	833.77.832	142	833.89.184	37	833.89.258	161	833.95.737	52	833.95.934	146
833.76.366	33	833.77.833	142	833.89.187	152	833.89.259	161	833.95.738	52	833.95.937	146
833.76.367	33	833.77.835	114	833.89.188	155	833.89.260	161	833.95.739	52	850.00.040	126
833.76.368	33	833.77.836	114	833.89.189	156	833.89.261	161	833.95.740	60	850.00.041	126
833.76.369	33	833.77.837	158	833.89.190	151	833.89.262	161	833.95.741	60	850.00.042	124
833.76.370	33	833.77.838	159	833.89.191	152	833.89.263	161	833.95.742	148	850.00.043	124
833.76.371	33	833.77.839	142	833.89.192	152	833.89.264	161	833.95.743	148	850.00.046	131
833.76.372	33	833.77.934	171	833.89.193	152	833.89.265	161	833.95.745	125	850.00.047	130
833.76.373	33	833.77.976	170	833.89.194	151	833.89.266	51	833.95.746	125	850.00.057	125
833.76.374	33	833.87.021	90	833.89.195	151	833.89.281	113	833.95.747	142	850.00.058	125
833.76.375	33	833.89.000	161	833.89.196	151	833.89.282	112	833.95.748	142	850.00.059	125
833.76.376	33	833.89.001	161	833.89.197	155	833.89.283	112	833.95.750	114	850.00.075	125
833.76.377	33	833.89.002	161	833.89.198	155	833.89.284	112	833.95.751	114	850.00.128	125
833.76.378	33	833.89.003	161	833.89.199	155	833.89.291	113	833.95.752	158	850.00.129	125
833.76.379	33	833.89.005	161	833.89.200	156	833.89.292	112	833.95.753	159	850.00.910	137
833.76.380	33	833.89.006	161	833.89.201	156	833.89.293	112	833.95.754	61	850.00.920	137
833.76.381	33	833.89.007	161	833.89.202	156	833.89.294	112	833.95.755	61	850.00.950	137
833.76.382	33	833.89.009	161	833.89.203	153	833.93.736	152	833.95.756	61	850.00.952	127
833.76.383	33	833.89.013	157	833.89.204	153	833.93.737	147	833.95.757	61	850.00.953	128
833.76.384	33	833.89.016	161	833.89.205	153	833.93.738	147	833.95.758	61	850.00.954	129
833.76.385	33	833.89.023	157	833.89.206	152	833.93.739	147	833.95.759	61	850.00.955	129
833.76.386	45	833.89.033	157	833.89.207	151	833.93.740	151	833.95.760	61	850.00.957	137
833.76.391	41	833.89.046	116	833.89.208	155	833.93.741	151	833.95.761	53	850.00.958	137
833.76.392	41	833.89.050	161	833.89.209	156	833.95.000	165	833.95.762	50	850.00.959	137
833.76.393	41	833.89.058	110	833.89.210	160	833.95.001	165	833.95.763	50	850.00.960	137
833.76.394	41	833.89.059	115	833.89.211	160	833.95.002	165	833.95.764	52	850.00.981	134
833.77.118	87	833.89.061	119	833.89.212	160	833.95.003	165	833.95.765	52	850.00.982	134
833.77.119	86	833.89.066	118	833.89.213	160	833.95.008	166	833.95.766	46	850.00.983	135
833.77.230	89	833.89.067	150	833.89.214	160	833.95.009	166	833.95.767	46	850.00.984	135
833.77.250	83	833.89.068	150	833.89.215	160	833.95.010	166	833.95.768	46	850.00.985	136
833.77.251	83	833.89.069	150	833.89.216	160	833.95.011	166	833.95.769	46	850.00.986	136
833.77.252	83	833.89.092	116	833.89.217	160	833.95.012	167	833.95.770	47		
833.77.253	83	833.89.106	116	833.89.218	160	833.95.022	167	833.95.771	47		
833.77.260	85	833.89.107	115	833.89.219	160	833.95.700	152	833.95.772	49		
833.77.261	85	833.89.108	115	833.89.220	160	833.95.701	152	833.95.773	49		
833.77.262	85	833.89.126	110	833.89.221	160	833.95.702	155	833.95.774	51		
833.77.263	85	833.89.127	109	833.89.222	71	833.95.703	153	833.95.775	51		
833.77.300	97	833.89.128	109	833.89.223	71	833.95.704	156	833.95.776	51		
833.77.301	97	833.89.129	109	833.89.224	71	833.95.705	151	833.95.777	51		
833.77.302	97	833.89.133	110	833.89.225	71	833.95.706	152	833.95.778	51		
833.77.305	97	833.89.134	111	833.89.226	71	833.95.707	152	833.95.779	51		
833.77.306	97	833.89.135	111	833.89.227	71	833.95.708	155	833.95.780	53		
833.77.307	97	833.89.136	111	833.89.228	71	833.95.709	153	833.95.781	53		
833.77.310	97	833.89.137	111	833.89.229	71	833.95.710	156	833.95.782	53		
833.77.311	97	833.89.140	150	833.89.230	71	833.95.711	151	833.95.783	53		

Imprint

Reprinting of this catalogue in whole or in part, the copying or imitation of any illustrations and the imitation of the layout are strictly prohibited.

The technical descriptions and dimensions in this catalogue, also those with the photographs and drawings, are not binding.
We reserve the right to alter specifications without notice.
All dimensions in mm, unless stated otherwise.

All deliveries are made pursuant to the Häfele conditions of sale, delivery and payment, which can be inspected at www.hafele.com.

Issued by:
Häfele SE & Co KG
Adolf-Häfele-Straße 1
D-72202 Nagold

Phone +49(0)74 52 / 95-0
Fax +49(0)74 52 / 95-2 00
Internet: www.haefele.de
E-mail: info@haefele.de

March 2022
© by Häfele Nagold.
All rights reserved.
Printed in Germany.
Imprimé en Allemagne.

Eco-printing inks with binders made of renewable raw materials and water-based varnishes have been used to print this brochure.

732.01.921/22-40-DHW

HÄFELE

732.01.921/22-40-DHW

Häfele SE & Co KG | Postfach 12 37 | Adolf-Häfele-Straße 1 | D-72202 Nagold
Phone: +49 (0) 7452/95-0 | **Fax:** +49 (0) 74 52 / 95-200 | **E-mail:** info@haefele.de

www.haefele.com