

LOX5

— LED LIGHTING SYSTEM FOR FURNITURE & ROOMS —





**Easy.
Logical.
Linear.**

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LOOX5



We have invested many 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 made easier?
How can it be made better?
How can it be made more intelligent?

5



The essence of our experience
therefore has a new face.

Welcome to Loox5.

Loox5

Color codes.





itive
nec_tions.

In praise of clear lines.

Switching.

Sensor switches

Push switch

Dimmer for
surface mounting

Supplying.



Power supply unit

Distributing.

6-way distributor without
switching function

6-way distributor with 3-way
switching function

Illuminating.

LED 2068
monochrome

LED 2092
monochrome

LED 2062
monochrome

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

An essential advantage of the

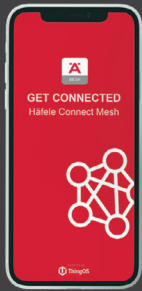
system is connecting different distributors to a driver in a line, one after the other (box to box).

All of the components shown

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



Networking.



Häfele Connect Mesh App



Häfele Connect Mesh remote control



Häfele Connect Mesh wall switch



Häfele Connect Mesh furniture switch



Häfele Connect Mesh motion detector



Networking & distributing.



Häfele Connect Mesh 6-way distributor

6-way distributor without switching function



Multi-white adapter



RGB adapter



LED 2070 Multi-white



LED 2091 Multi-white



LED 2080 RGB



LED 2034 Flexible light



ESC 2001 USB charging station



Extending.

Light is easy.

Few criteria.

Many solutions.

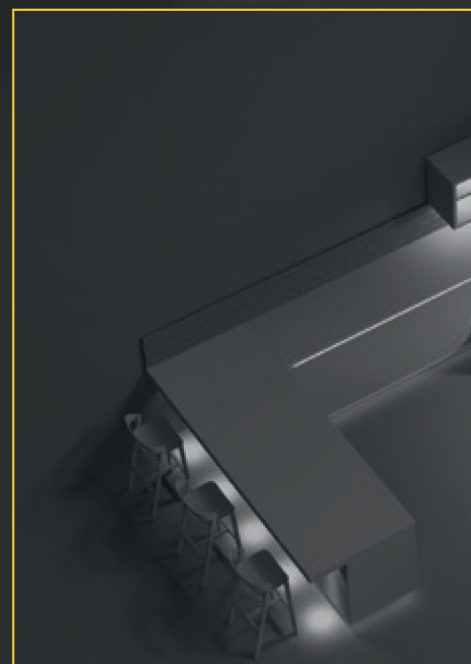
Light color	Monochrome Multi-white RGB
Light intensity	Task light Ambient light Accent light
Light source	Linear light Point light
Alignment	Directly or indirectly Up or down Forward or backward To the side
Position on the cabinet	Outside Inside
Installation type	Recess mounted Surface mounted



Light color Multi-white
Light source Point light
Alignment Up
Installation type Recess mounted
Example LED 2091


Light in the sleeping area.

Atmosphere full of ambience for rest areas.



Light in the kitchen.

Functionality for every action.

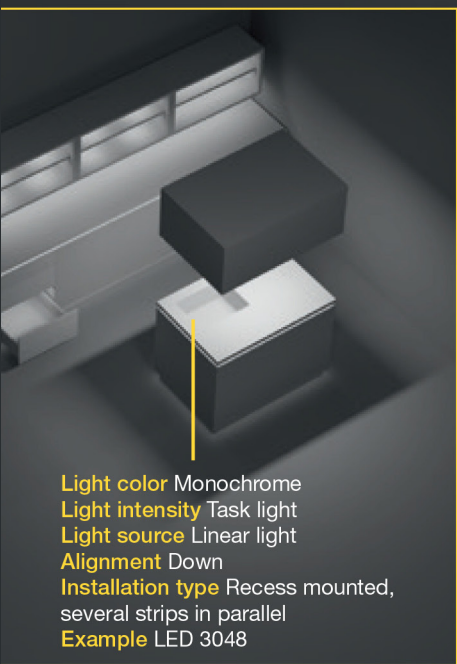


Light color Monochrome
Light intensity Ambient light
Light source Linear light
Alignment To the side
Installation type Attached at the side to the circular mounting plate behind the mirror
Example LED 3040, just 5 mm wide for slim design applications

Light in the storage space.

Orientation for perfect organization.

Light color Monochrome
Light intensity Accent light
Light source Linear light
Alignment Down
Installation type Recess mounted
Example LED 2062



Light color Monochrome
Light intensity Task light
Light source Linear light
Alignment Down
Installation type Recess mounted, several strips in parallel
Example LED 3048



Light color Monochrome
Light intensity Task light
Light source Linear light
Alignment To the side
Position on the cabinet Inside
Installation type Recess mounted
Example LED 3051 with long-life constant current technology

Light in store fixtures.

Value for the presentation of goods.

Light is plannable.

The need to observe only a few 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 light for highlighting or staging
- > Accent 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 color, 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 concealed cable routing and provide 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 expansions 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.

BLACK FOREST EXPERIENCE POP-UP STORE

• Stuttgart

• Hornisgrinde
Schlossberg Nagold

• Schliffkopf
• Kniebis

Kandel •

• Hochfirst

Feldberg •

Belchen •



HÄFELE

Illuminating.

LOX5

LOOX5

12V Ribbon



LED 2062

LED2062 12V/4.8W/m 27K/CRI90/5m
Cat. No. 833.74.336

LED2062 12V/4.8W/m 30K/CRI90/5m
Cat. No. 833.74.337

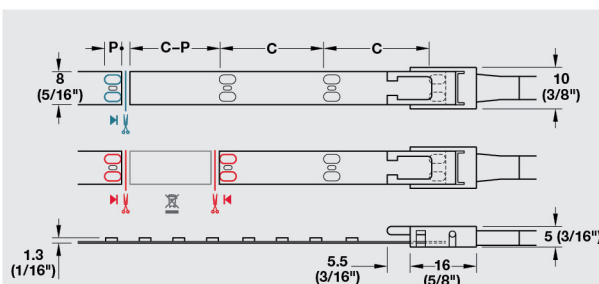
LED2062 12V/4.8W/m 40K/CRI90/5m
Cat. No. 833.74.338

LED2062 12V/4.8W/m 50K/CRI90/5m
Cat. No. 833.74.339

IDR 640.238

Equipped with high-quality Samsung® LEDs

- > Dimmable: Yes
- > Material: Plastic
- > Color: White
- > Width: 8 mm (5/16")
- > Height: 1.3 mm (1/16")
- > Life time L80/B10: >50,000 h (2062, 2065, 2068);
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll



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

C = section length
P = length of contact surface



LED 2065 / 2068

LED2065 12V/4.8W/m 27K/CRI90/5m
Cat. No. 833.74.354

LED2065 12V/4.8W/m 30K/CRI90/5m
Cat. No. 833.74.355

LED2065 12V/4.8W/m 40K/CRI90/5m
Cat. No. 833.74.356

LED2065 12V/4.8W/m 50K/CRI90/5m
Cat. No. 833.74.357

LED2068 12V/9.6W/m 27K/CRI90/5m
Cat. No. 833.74.362

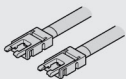

LED2068 12V/9.6W/m 30K/CRI90/5m
Cat. No. 833.74.363

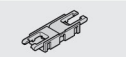

LED2068 12V/9.6W/m 40K/CRI90/5m
Cat. No. 833.74.364

LED2068 12V/9.6W/m 50K/CRI90/5m
Cat. No. 833.74.365

IDR 1.150.700

- ! Maximum strip length is dependant on driver wattage capacity
Maximum recommended strip light length for optimum visual light output: 12.0 m

> 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	833.95.700





> 5 A clip connector for 8 mm LED strip light		
		Cat. No.
	Clip connector	833.89.206
> Corner connector, 90° rigid, 5 A for left or right for 8 mm LED strip light		
		Cat. No.
	Corner connector rigid	833.89.187

HÄFELE

12V Ribbon





Voltage	Quantity	Colour temperature	Wattage	Luminous flux	Luminous efficacy	Colour rendering index CRI		Section length C	Length of contact surface P	Max. strip length (visual)	Available length
V	LEDs/m	K	W/m	lm/m	lm/W	R _a	R ₉	mm	mm	m	5 m
5 12V	Häfele Loox5 LED 2062										
	60	2700	4,8	440	92	>90	>50	50	4	6,0	833.74.336
		3000	4,8	465	97	>90	>50	50	4	6,0	833.74.337
		4000	4,8	490	102	>90	>50	50	4	6,0	833.74.338
		5000	4,8	495	103	>90	>50	50	4	6,0	833.74.339
	Häfele Loox5 LED 2065										
	120	2700	4,8	440	92	>90	>50	25	4	6,0	833.74.354
		3000	4,8	465	97	>90	>50	25	4	6,0	833.74.355
		4000	4,8	490	102	>90	>50	25	4	6,0	833.74.356
		5000	4,8	495	103	>90	>50	25	4	6,0	833.74.357
	Häfele Loox5 LED 2068										
	120	2700	9,6	920	96	>90	>50	25	4	4,0	833.74.362
		3000	9,6	970	101	>90	>50	25	4	4,0	833.74.363
		4000	9,6	1000	104	>90	>50	25	4	4,0	833.74.364
		5000	9,6	1040	108	>90	>50	25	4	4,0	833.74.365

Illuminance value in lx applies to 1 m (39 3/8") strip length:





2700 K	3000 K	4000 K	5000 K	120°	
1050 lx	1090 lx	1120 lx	1130 lx		250 mm (9 13/16")
435 lx	455 lx	460 lx	470 lx		500 mm (19 11/16")
240 lx	245 lx	260 lx	260 lx		750 mm (29 1/2")
145 lx	150 lx	155 lx	160 lx		1000 mm (39 3/8")

LED 2062

Designed for use within closet storage spaces when utilized with profile and lens:

2700 K	3000 K	4000 K	5000 K	120°	
1050 lx	1090 lx	1120 lx	1130 lx		250 mm (9 13/16")
435 lx	455 lx	460 lx	470 lx		500 mm (19 11/16")
240 lx	245 lx	260 lx	260 lx		750 mm (29 1/2")
145 lx	150 lx	155 lx	160 lx		1000 mm (39 3/8")

LED 2065

2700 K	3000 K	4000 K	5000 K	120°	
2145 lx	2250 lx	2300 lx	2300 lx		250 mm (9 13/16")
900 lx	940 lx	950 lx	955 lx		500 mm (19 11/16")
480 lx	505 lx	510 lx	515 lx		750 mm (29 1/2")
300 lx	310 lx	320 lx	320 lx		1000 mm (39 3/8")

LED 2068



LOOX5

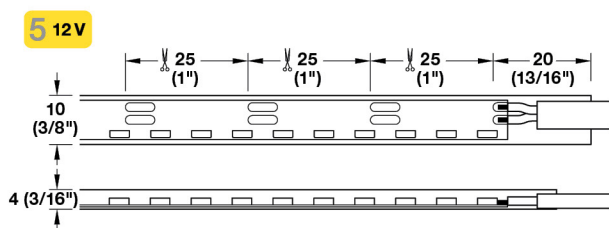
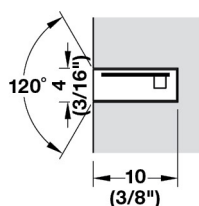
12V Silicone Ribbon



LED 2099

LED2099 12V/9.6W/m 27K/CRI90/3m
Cat. No. 833.74.260LED2099 12V/9.6W/m 30K/CRI90/3m
Cat. No. 833.74.261LED2099 12V/9.6W/m 40K/CRI90/3m
Cat. No. 833.74.262LED2099 12V/9.6W/m 50K/CRI90/3m
Cat. No. 833.74.263

IDR 1.053.270



- > The light emits from the edge of the ribbon, no LED dots visible
- > Designed for recessed installation in a 4 mm wide groove
- > Mounts flush with the panel
- > Flexible silicone allows for curved applications (radius min. 30 mm (1 3/16"))


- > Dimmable: Yes
- > Material: Silicone
- > Finish: Matt white
- > Width: Strip: 8 mm (5/16")
Silicone sleeve 10 mm (3/8")
Silicone sleeve 4 mm (5/32")
- > Height: Silicone sleeve 4 mm (5/32")
- > Routing depth: 10 mm (3/8")
- > Routing width: 4 mm (5/32")
- > Radius min.: 30 mm (1 3/16")
- > Life time L80/B10: >50,000 h
- > Color rendering index R9: >50
- > Color rendering index Ra: >90
- > Weighted energy consumption: 10.56 kWh / 1000 h
- > Degree of protection: IP44
- > Max. strip length (visual): 3.0 m (118 1/8")
- > Mounting: For embedding in routed channel
- > Supplied with: 1 LED strip with 200 mm (8") leads soldered on each end. Strip can be divided into two sections.

2700 K	3000 K	4000 K	5000 K	120°	
820 lx	840 lx	845 lx	860 lx		250 mm (9 13/16")
190 lx	195 lx	205 lx	215 lx		500 mm (19 11/16")
85 lx	90 lx	100 lx	100 lx		750 mm (29 1/2")
50 lx	50 lx	55 lx	55 lx		1000 mm (39 3/8")





12V Ribbon Industry

Voltage	Number of	Color temperature	Wattage	Luminous flux	Luminous efficacy	Section length C	Delivery length
V	LEDs/m	K	W/m	lm/m	lm/W		3 m (118 1/8")
	LED 2099						
	120	2700	9.6	500	52	25 (1")	833.74.260
		3000	9.6	520	54	25 (1")	833.74.261
		4000	9.6	540	56	25 (1")	833.74.262
		5000	9.6	540	56	25 (1")	833.74.263



Note
A 200 (8") mm lead cable (3.5A / 20 AWG) is soldered on each end of the roll.



Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.
Please note: A strip section with a new power supply that follows immediately is noticeably brighter.



ILLUMINATING

EXTENDING

SWITCHING

NETWORKING

DISTRIBUTING

SUPPLYING

LOOX5

12V Ribbon Industry



LED 2071

LED2071 12V/4.8W/m 27K/CRI90/5m
Cat. No. 833.74.300

LED2071 12V/4.8W/m 30K/CRI90/5m
Cat. No. 833.74.301

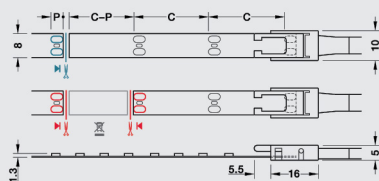
LED2071 12V/4.8W/m 40K/CRI90/5m
Cat. No. 833.74.302

LED2071 12V/4.8W/m 50K/CRI90/5m
Cat. No. 833.74.303

IDR 352.100

Equipped with high-quality Samsung LEDs

- > Dimmable: Yes
- > Material: Plastic
- > Finish/colour: White
- > Width: 8 mm
- > Height: 1.3 mm
- > Life time L80/B10: >30,000 h
- > Degree of protection: IP20
- > Mounting: Self-adhesive
- > Supplied with: 1 roll



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

C = section length
P = length of contact surface



LED 2069

LED2069 12V/4.8W/m 2700K/CRI90/5m
Cat. No. 833.74.455

LED2069 12V/4.8W/m 3000K/CRI90/5m
Cat. No. 833.74.456

LED2069 12V/4.8W/m 4000K/CRI90/5m
Cat. No. 833.74.457

LED2069 12V/4.8W/m 5000K/CRI90/5m
Cat. No. 833.74.458

LED 2074

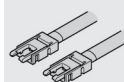
LED2074 12V/9.6W/m 27K/CRI90/5m
Cat. No. 833.74.308

LED2074 12V/9.6W/m 30K/CRI90/5m
Cat. No. 833.74.309

LED2074 12V/9.6W/m 40K/CRI90/5m
Cat. No. 833.74.310

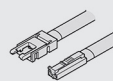
LED2074 12V/9.6W/m 50K/CRI90/5m
Cat. No. 833.74.311

IDR 465.248



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

Length mm	Cat. No.
50	833.89.191
500	833.89.192



Length mm	Cat. No.
2000	833.95.700



- > 5 A clip connector for 8 mm LED strip light

Clip connector	Cat. No.
	833.89.206



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

Corner connector rigid	Cat. No.
	833.89.187

HÄFELE

12V Ribbon Industry

Voltage	Quantity	Colour temperature	Wattage	Luminous flux	Luminous efficacy	Colour rendering index CRI		Weight. energy consumpt. per m in kWh/1000 h	Section length C	Length of contact surface P	Max. strip length (visual)	Available length
V	LEDs/m	K	W/m	lm/m	lm/W	R _a	R ₉		mm	mm	m	5 m
5 12V	Häfele Loox5 LED 2071											
	60	2700	4.8	440	92	90	>50	5.28	50	4	6.0	833.74.300
		3000	4.8	465	97	90	>50	5.28	50	4	6.0	833.74.301
		4000	4.8	490	102	90	>50	5.28	50	4	6.0	833.74.302
		5000	4.8	495	103	90	>50	5.28	50	4	6.0	833.74.303
	Häfele Loox5 LED 2069											
	120	2700	4.8	440	92	90	>50	5.28	50	4	6.0	833.74.455
		3000	4.8	465	97	90	>50	5.28	50	4	6.0	833.74.456
		4000	4.8	490	102	90	>50	5.28	50	4	6.0	833.74.457
		5000	4.8	495	103	90	>50	5.28	50	4	6.0	833.74.458
	Häfele Loox5 LED 2074											
	120	2700	9.6	920	96	90	>50	10.56	25	4	3.5	833.74.308
		3000	9.6	970	101	90	>50	10.56	25	4	3.5	833.74.309
		4000	9.6	1000	104	90	>50	10.56	25	4	3.5	833.74.310
		5000	9.6	1040	108	90	>50	10.56	25	4	3.5	833.74.311

! Maximum visual strip length applies for an imperceptible drop in luminous flux of max. 30%.

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

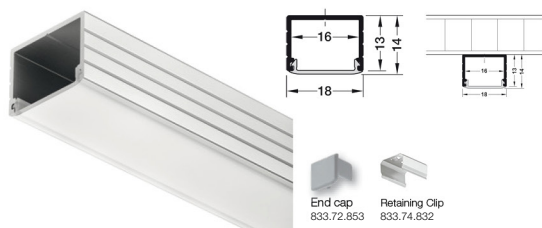
LED 2071/2069

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 2074



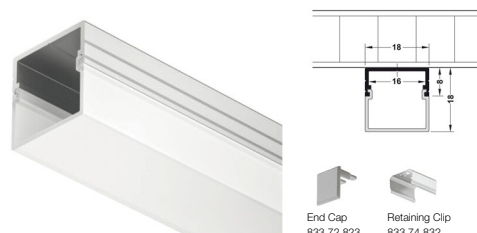
LOOX5 Profile



PROFILE 2191 alu.silver.mlk./2.5m
Cat. No. 833.72.841

- > Material: Aluminium
- > Finish/colour: Silver coloured anodised
- > Length x width x height: 2500 x 18 mm x 14 mm
- > Supplied with: 1 profile, 1 diffuser

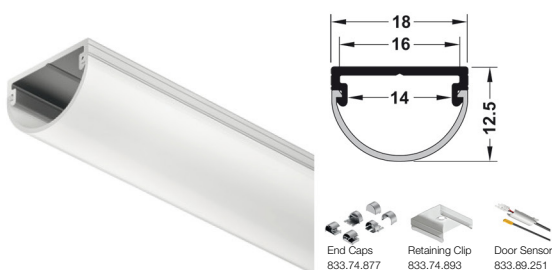
IDR 221.204



PROFILE 2192 alu.silver.mlk.sq/2.5m
Cat. No. 833.74.813

- > Material: Profile: Aluminium
Diffuser housing: Plastic
- > Finish/colour: Profile: Silver coloured anodised
Diffuser housing: Milky
- > Length x width: 2500 x 18 mm
- > Height: 18 mm
- > Supplied with: 1 aluminium profile
1 diffuser housing milky

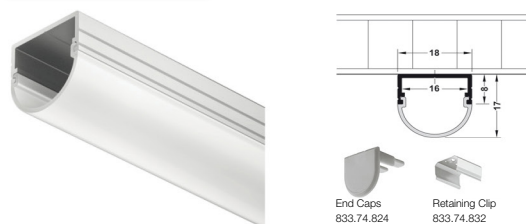
IDR 224.960



PROFILE 2194 alu.silver.mlk./2.5m
Cat. No. 833.74.835

- > Material: Aluminium
- > Finish/colour: Profile: Silver coloured anodised
Diffuser: Milky
- > Length x width: 2500 x 18 mm
- > Height: 12.5 mm
- > Supplied with: 1 aluminium profile
1 diffuser milky

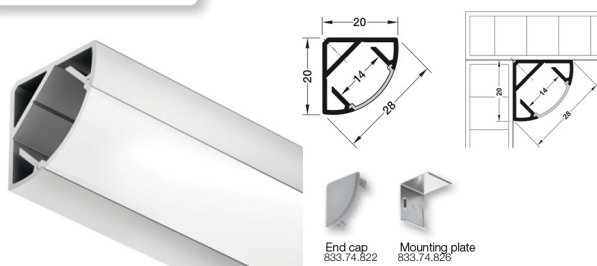
IDR 267.294



PROFILE 2192 alu.silver.mlk.rd/2.5m
Cat. No. 833.74.814

- > Material: Profile: Aluminium
Diffuser housing: Plastic
- > Finish/colour: Profile: Silver coloured anodised
Diffuser housing: Milky
- > Length x width: 2500 x 18 mm
- > Height: 18 mm
- > Supplied with: 1 aluminium profile
1 diffuser housing milky

IDR 214.588



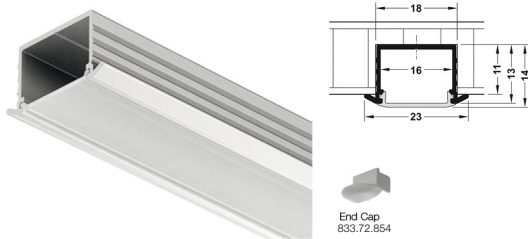
PROFILE 2195 alu.silver.mlk./2.5m
Cat. No. 833.74.812

- > Material: Aluminum
- > Finish/Color: Profile: Silver colored anodised
Diffuser: Milk
- > Cover: Milk
- > L x W: 2500 x 28 mm (98 7/16" x 1 1/8")
- > Height: 20.5 mm (25/32")
- > Supplied with: 1 profile
1 diffuser

IDR 259.103



HÄFELE Profile



PROFILE 1191 alu.silver.mlk./2.5m
Cat. No. 833.72.846

- > Material: Aluminium
- > Finish/colour: Silver coloured anodised
- > Length x width: 2500 x 18 mm
- > Height: 13 mm
- > Supplied with: 1 profile, 1 diffuser

➔ Sensor switches, suitable for use with aluminium profile with 16 mm internal width

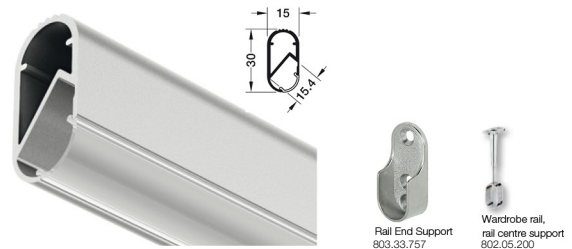
IDR 231.571



PROFILE 1192 alu.silver.mlk./2.5m
Cat. No. 833.72.850

- > Material: Aluminium
- > Finish/colour: Silver coloured anodised
- > Length x width: 2500 x 24.4 mm
- > Height: 19 mm
- > Supplied with: 1 profile, 1 diffuser

IDR 281.363

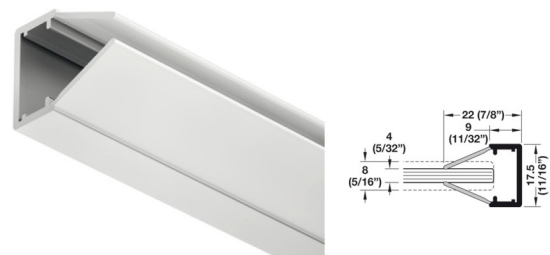


PROFILE 5105 alu.silver.mlk./2.5m
Cat. No. 833.72.790

- > Material: Aluminium
- > Finish/colour: Profile: Silver coloured anodised
Diffuser: Milky
- > Length x width: 2500 x 15 mm
- > Height: 30 mm
- > Supplied with: 1 aluminium profile
1 diffuser milky

! Suitable for max. 10 mm clip connector width
Not suitable for RGB strip lights

IDR 389.681



PROFILE 5108 pl.silver.mlk./2m
Cat. No. 833.74.733

- > Material: Plastic
- > Finish/colour: Profile: Silver coloured
Diffusers: Milky
- > Length x width: 2000 x 17.5 mm
- > Height: 22 mm
- > Application: For screw fixing
- > Supplied with: 1 aluminium profile
2 diffusers milky

! For manufacturing customized glass edge lighting for glass thicknesses of 4–8 mm (3/16"–5/16").
Without load bearing function.
Only for LED strip lights with max. 9.6 W/m.
Note the dimensions of the clip connector.

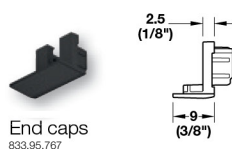
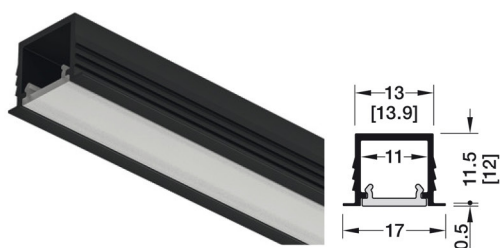
Effect of the glass edge on the light

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

IDR 200.200



LOOX5 Profile

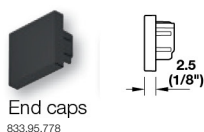
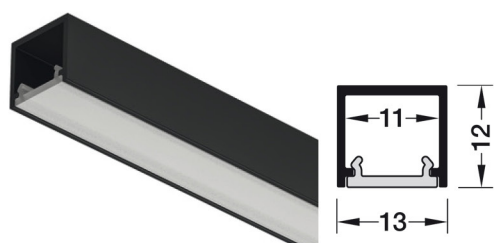


PROFILE 1103 alu.black.opal/3.0m

Cat. No. 833.95.723

IDR 518.296

- > Material: Profile: Aluminum
Diffuser: Plastic
- > Finish/Color: Profile: Anodized; Diffuser: White opal, transmittance 70–80%
- > Length: 3000 mm
- > Diffuser width: Profile 1103: 11 mm (7/16")
- > Supplied with: 1 profile
1 diffuser



PROFILE 2102 alu.black.opal/3.0m

Cat. No. 833.95.735

IDR 518.296

- > Material: Profile: Aluminum
Diffuser: Plastic
- > Finish/Color: Profile: Anodized; Diffuser: White opal, transmittance 70–80%
- > Length: 3000 mm
- > Diffuser width: Profile 2102: 11 mm (7/16")
- > Supplied with: 1 profile
1 diffuser

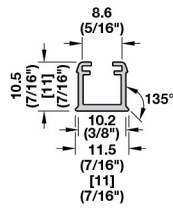


Diffusers

The diffuser creates a uniform light.
The LED points are invisible from 120 LEDs/m.

HÄFELE

Profile



PROFILE 1101 pl.white.opal/3.0m
Cat. No. 833.72.898

- > Material: Plastic
- > Length: 3000 mm
- > Supplied with: 1 profile



Note

Profile 1101 are usable for LED strip lights up to max 9.6 W/m. Profile 1101 is usable only for LED strip lights with a width of precisely 8 mm (5/16"). The diffuser creates a uniform light. The LED points in the white version are invisible from 120 LEDs/m. Routing dimensions are for reference only. Furniture construction may affect dimensions.

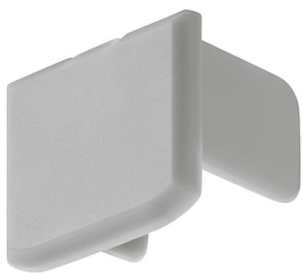
IDR 131.800





LOOX5

Profile Accessories



Endcap for PROFILE 2191 pl.silver
Cat. No. 833.72.853

End cap for profile 2191

- > Material/Finish: Plastic, silver colored
- > Supplied with: 2 pcs.

IDR 9.426



Endcap for PROFILE 2195 pl.silver
Cat. No. 833.74.822

- > Material/Finish: End cap and holder: Plastic, silver colored
Mounting plate: Stainless Steel
- > Supplied with: 2 pcs.

IDR 9.426



Endcap for PROFILE 1191 pl.silver
Cat. No. 833.72.854

End cap with cable outlet for profile 1191

- > Material/Finish: Plastic, silver colored
- > Supplied with: 2 pcs.

IDR 10.141



Mounting clip for PROFILE 2195
Cat. No. 833.74.826

- > Material/Finish: End cap and holder: Plastic, silver colored
Mounting plate: Stainless Steel
- > Supplied with: 2 pcs.

IDR 10.700



Mounting clip for PROFILE 2194
Cat. No. 833.74.893

Retaining clip

- > Material/Finish: Stainless Steel, silver colored
- > Supplied with: 2 pcs.

IDR 13.806



Mount. clip 90 f. 2190/2191/2192 st.st.st.st.
Cat. No. 833.74.832

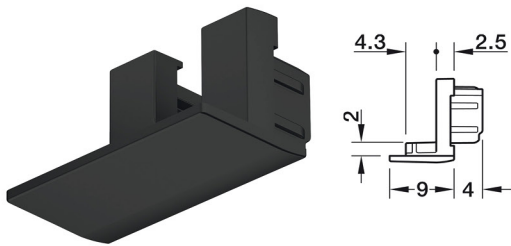
Mounting clip, optional

- > Material/Finish: Stainless Steel, silver colored
- > Supplied with: 2 pcs.

IDR 13.973

HÄFELE

Profile Accesories

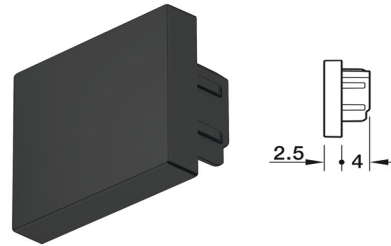


Endcap for PROFILE 1103 pl.black
Cat. No. 833.95.767

End caps for Häfele Loox5 profile 1104/1103

- > Material: Plastic
- > Version: With cable outlet
- > Supplied with: 10 pcs.

IDR 56.480



Endcap for PROFILE 2102 pl.black
Cat. No. 833.95.778

End caps for Häfele Loox5 profile 2101/2102

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

IDR 56.480



Endcap for PROFILE 1192 pl.silver
Cat. No. 833.72.857

- > Supplied with: 2 pcs.

IDR 10.963



Endcap set 5x f. PROFILE 2194
Cat. No. 833.74.877

End cap set

- > Material/Finish: ABS Plastic, silver colored
- > Supplied with: 5 sets of end caps, fixing screws

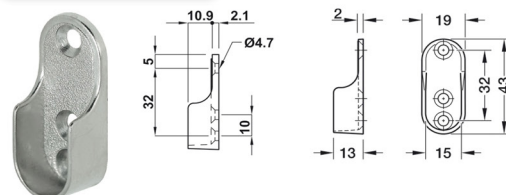
IDR 134.100



Endcap for PROFILE 2192 pl.silver
Cat. No. 833.74.824

- > Supplied with: 2 pcs.

IDR 10.141



Rail end support for PROFILE 5105
Cat. No. 803.33.757

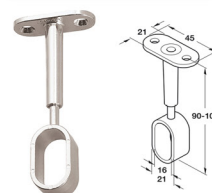
IDR 7.866



Endcap for PROFILE 2192 pl.silver
Cat. No. 833.74.823

- > Supplied with: 2 pcs.

IDR 9.426



Rail centre support for PROFILE 5105
Cat. No. 802.07.200

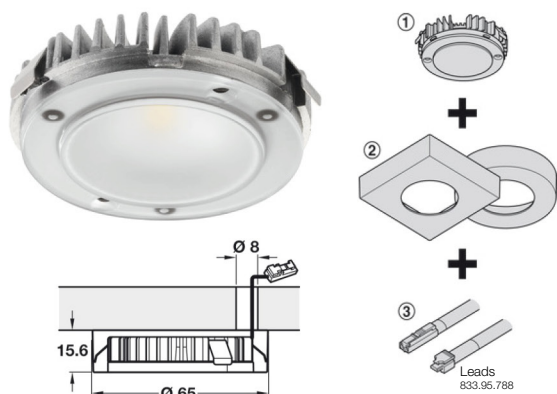
IDR 102.580



LOOX5

12V Puck Light

IP44        12V



LED2025 12V/3.8W 27K/CRI90/aluminum
Cat. No. 833.72.350

IDR 257.754

LED2025 12V/3.8W 30K/CRI90/aluminum
Cat. No. 833.72.351

LED2025 12V/3.8W 40K/CRI90/aluminum
Cat. No. 833.72.352

IDR 257.800

LED2025 12V/3.8W 50K/CRI83/aluminum
Cat. No. 833.72.323

IDR 259.511

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

- > Dimmable: Yes
- > Material: Aluminum
- > Degree of protection: IP44 as recess mounted light
IP20 as surface mounted light
- > Mounting: For mounting in drilled hole,
for clamp or screw fixing
- > Drill hole Ø: 58 mm (2 5/16")
- > Supplied with: 1 light module







Note

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

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



HÄFELE

12V Puck Light

ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



DISTRIBUTING



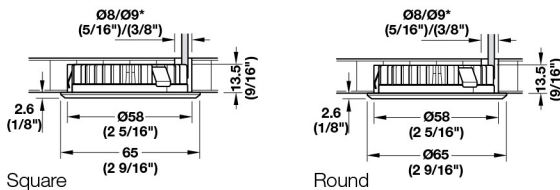
SUPPLYING



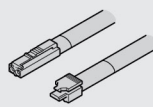
Voltage V	Quantity LEDs	Color temperature K	Wattage W	Luminous flux lm	Luminous efficacy lm/W	Color rendering index CRI	R _a	R _g	Weighted energy consumpt. kWh/1000 h	Item No.
5 12V	LED 2025 (compatible with Loox5 lead with snap-in connector)									
	1	2700	3.8	270	71	>90	—	—	4.18	833.72.350
		3000	3.8	300	78	>90	—	—	4.18	833.72.351
		4000	3.8	306	80	>90	—	—	4.18	833.72.352
		5000	3.8	345	90	>83	—	—	4.18	833.72.323



Recess mount housing



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	Item No.
5 12V	2000 (78 3/4")	833.95.788



> Housing, recess mounted, Plastic

Color	Round	Square
Black	833.72.168	833.72.172
Silver colored	833.72.126	833.72.127

Recess mt. housing rd./pl.black/d=65
Cat. No. 833.72.168

IDR 16.332

Recess mt. housing sq./pl.black/65x65
Cat. No. 833.72.172

IDR 16.800

Recess mt. housing rd./pl.silvc./d=65
Cat. No. 833.72.126

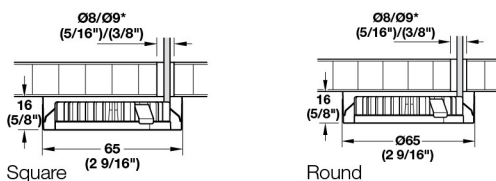
IDR 16.762

Recess mt. housing sq./pl.silvc./65x65
Cat. No. 833.72.127

IDR 17.214



Surface mount housing



Housings are suitable for monochrome lights
and for multi-white lights.
* valid for multi-white plugs.



> Housing, surface mounted, Plastic

Color	Round	Square
Black	833.72.160	833.72.164
Silver colored	833.72.124	833.72.125

Surf. mt. housing rd./pl.black/d=65
Cat. No. 833.72.160

IDR 17.267

Surf. mt. housing sq./pl.black/65x65
Cat. No. 833.72.164

IDR 17.735

Surf. mt. housing rd./pl.silvc./d=65
Cat. No. 833.72.124

IDR 15.854

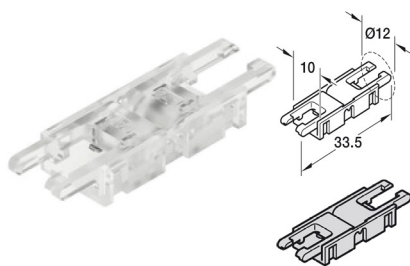
Surf. mt. housing sq./pl.silvc./65x65
Cat. No. 833.72.125

IDR 16.305

LOOX5

Leads and Connectors

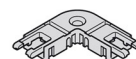
5 12V



Loox5 Clip conn. ribbon 8mm/12-24V
Cat. No. 833.89.206

- > 5 A Clip connector for 8 mm (5/16") LED strip light
- > Supplied with: 10 pcs.

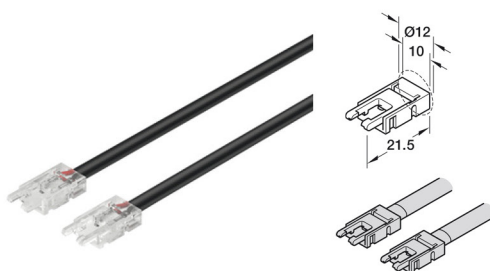
IDR 218.000



Loox5 Crn.conn. ribbon 8mm/12-24V
Cat. No. 833.89.187

- > 5 A Corner connector, 90° rigid, left or right, for 8 mm (5/16") LED strip light
- > Supplied with: 10 pcs.

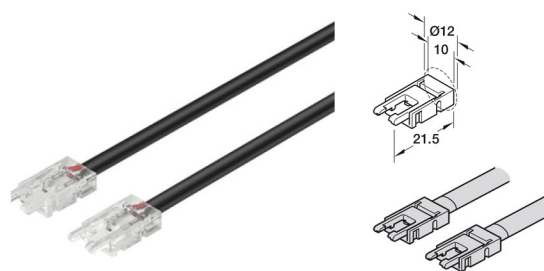
IDR 283.000



Loox5 C-lead ribbon 8mm/12-24V/50mm
Cat. No. 833.89.191 5 12V

- > 5 A/18 AWG interconnecting lead for 8 mm (5/16") LED strip light

IDR 48.200



Loox5 C-lead ribbon 8mm/12-24V/0.5m
Cat. No. 833.89.192 5 12V

- > 5 A/18 AWG interconnecting lead for 8 mm (5/16") LED strip light

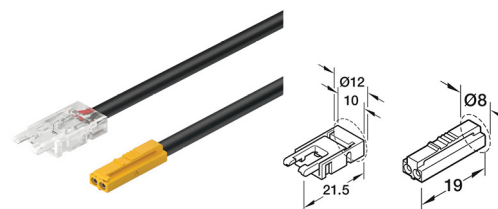
IDR 55.700



Loox5 lead ribbon 8mm/12V/2.0m
Cat. No. 833.95.700 5 12V

- > 5 A/18 AWG lead for 8 mm (5/16") LED strip light

IDR 69.000



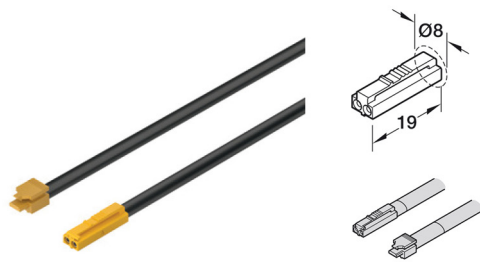
Loox5 lead ribbon 8mm/12V/0.5m
Cat. No. 833.95.701

- Current carrying capacity: Max. 5A
- Type of cable: 2-wire 18 AWG
- Width: Clip 10mm (3/8")
- Drill hole Ø: Plug 8mm (5/16")
- Supplied with: 1 lead plug/clip

IDR 48.266

HÄFELE

Leads and Connectors



Loox5 lead f. light mod./12V/AWG24/2.0m
Cat. No. 833.95.788 **5 12V**

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

41.100



Loox / 31







Switching.

LOX5


LOOX5 Switches

IP20

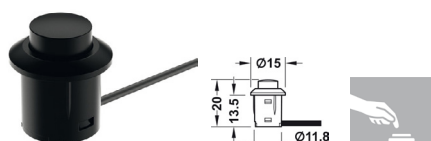


Switch motion mod.rd./pl.silvc./d=12
Cat. No. 833.89.129

> Material/Color:	Plastic, silver colored
> Degree of protection:	IP20
> Sensor range:	0-3000 mm (0-118")
> Sensor angle:	120 °
> Power consumption:	≤0.1 W
> Drill hole Ø:	12 mm (1/2")
> Supplied with:	1 motion detector

 Please order lead with snap-in connector for modular switches driver separately. Length 2000 mm (78 3/4"):

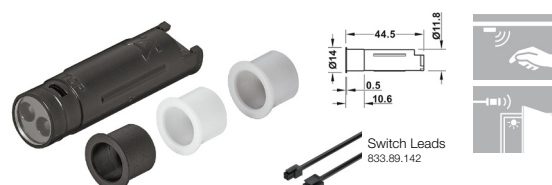
IDR 186.782



Switch push/pl.blk./d=12/2.0m
Cat. No. 833.89.108

Material/Color:	Plastic, black
Degree of protection:	IP20
Drill hole Ø:	12mm
Supplied with:	1 switch with lead

IDR 67.097



Dimmer/Door sensor mod.rd./d=12
Cat. No. 833.89.334

Version	Adjustable as dimmer sensor switch or as door sensor switch
Material/Color:	Plastic, White, grey & black cap
Degree of protection:	IP20
Sensor range:	0-75mm
Power consumption:	0,30W
Drill hole Ø:	12mm
Supplied with:	1 sensor switch, 3 cover sleeves (white, grey, black)

Please order lead with snap-in connector for modular switches separately

IDR 163.226



Housing switch pl./white/58x15x15
Cat. No. 833.89.330
Housing switch pl./gray/58x15x15
Cat. No. 833.89.331
Housing switch pl./black/58x15x15
Cat. No. 833.89.332

Material/Color:	Plastic, white, grey, black
Degree of protection:	IP20
Drill hole Ø:	12mm
Supplied with:	1 housing with mounting plate

IDR 25.340

IP20

HAFELE
Switches

ILLUMINATING



EXTENDING



SWITCHING



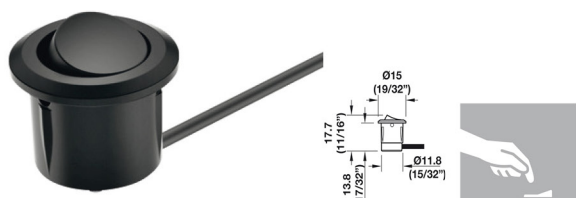
NETWORKING



DISTRIBUTING



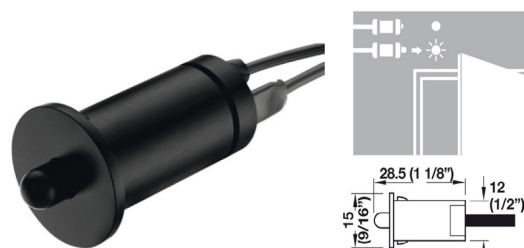
SUPPLYING

Switch rocker/pl.blk./d=12/2.0m
Cat. No. 833.89.106

- > Material/Color: Plastic, black
- > Diameter: 15 mm (9/16")
- > Height: 17.7 mm (11/16")
- > Drill hole Ø: 12 mm (1/2")
- > Supplied with: 1 switch with 2000 mm (78 3/4") lead

! Drill hole Ø for plug: 12 mm (1/2")

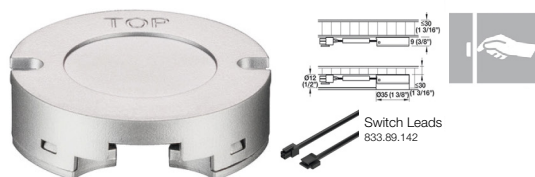
IDR 61.400

Switch door contact/pl.blk./d=12/2.0m
Cat. No. 833.89.059

- > Material/Color: Plastic, black
- > Degree of protection: IP20
- > Drill hole Ø: 12 mm (1/2")
- > Length: 28 mm (1 1/8")
- > Supplied with: 1 switch with 2000 mm (78 3/4") lead

! Drill hole Ø for plug: 12 mm (1/2")

IDR 60.200

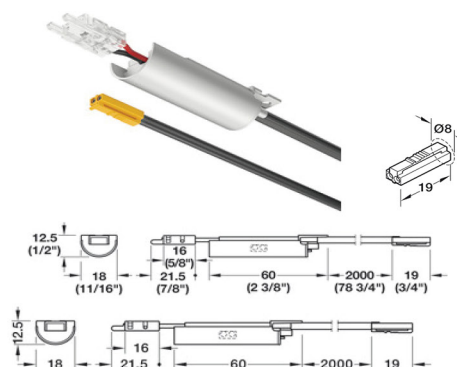
Dimmer capacitive mod.rd./pl.silvc./d=35
Cat. No. 833.89.133

- > Manual operation (proximity sensor), memory function
- > Concealed installation in wood, glass or stone (not in ferrous metal materials) at a maximum depth of 30 mm (1 3/16")
- > For screw fixing or recess mounting (drill hole Ø 35 mm (1 3/8"))
- > A distance of min. 500 mm (19 11/16") away from electromagnetic fields (power lines, microwave) must be adhered to.

- > Material/Color: Plastic, silver colored
- > Diameter: 35 mm (1 3/8")
- > Height: 10 mm (3/8")
- > Degree of protection: IP20
- > Power consumption: ≤1 W
- > Supplied with: 1 switch

+ Please order lead with snap-in connector for modular switches driver separately. Length 2000 mm (78 3/4")

IDR 221.500

Loox5 Switch doorIR f. 833.74.835 12V/2m
Cat. No. 833.89.251

IDR 238.100

LOOX5

Switch Leads

IP20



Extension Lead f. switch/black/2.0m
Cat. No. 833.89.067

- > Length: 2000 mm (78 3/4")
- > Supplied with: 1 lead

! Drill hole Ø for plug: 12 mm (1/2")
Can also be used for the multi-switch and multi-driver boxes.
The maximum lead length of a switch is 6000 mm (236 1/4").
The drill hole Ø for the male plug and the female socket of the switch leads is 12 mm (1/2").

IDR 54.000



Lead f. switch modular snap/black/2.0m
Cat. No. 833.89.142

- > Material/Color: Plastic, black
- > Degree of protection: IP20
- > Supplied with: 1 lead

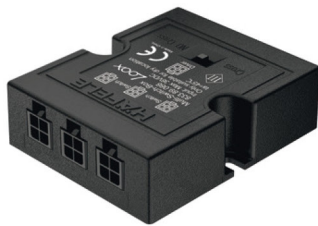
! Drill hole Ø for plug: 12 mm (1/2")

IDR 60.100

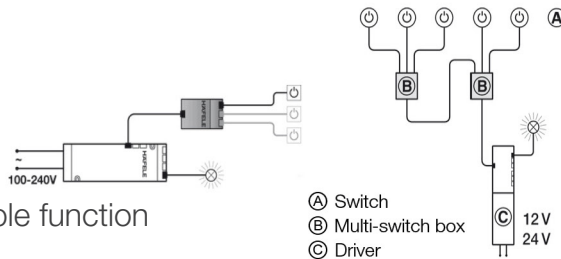


IP20

HÄFELE Actuators



Multi switch box w. double function
Cat. No. 833.89.066



- > Function:
2 operating modes can be selected using an integrated toggle switch.
Cross: On/off switching at different switches
No cross: Switching on with switch 1, 2 or 3. For switching off, all switches that were switched on have to be activated again
- > Material/Color: Plastic, black
- > Standby power consumption W: ≤ 0.3
- > L x W x H: 55 x 45 x 16 mm
(2 3/16" x 1 3/4" x 5/8")
- > Degree of protection: IP20
- > Supplied with:
1 multi-switch box
With 1000 mm (39 3/8") lead for switch

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.

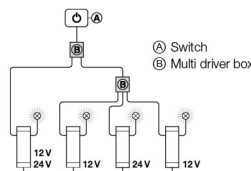
! Drill hole Ø for plug: 12 mm (1/2")
Alternative to the supplied 1000 mm (39 3/8") lead for multi-switch box.
The drill hole Ø for the male plug and the female socket of the switch leads is 12 mm (1/2").

! Drill hole Ø for plug: 12 mm (1/2")
Alternative to the supplied three 1000 m (39 3/8") leads for multi-driver box.
The drill hole Ø for the male plug and the female socket of the switch leads is 12 mm (1/2").

IDR 147.652



LED Multi Driver Box
Cat. No. 833.89.061



- > Material/Color: Plastic, black
- > Standby power consumption W: 1.5 W
- > L x W H: 50 x 40 x 19 mm (2" x 1 9/16" x 3/4")
- > Supplied with:
1 multi-driver box with 3 x 1000 mm (39 3/8") lead for switch

! Max. 3 x 75 W per multi-driver box.

! Drill hole Ø for plug: 12 mm
Alternative to the supplied three 1 m leads for multi driver box.
The drill hole Ø for the male plug and the female socket of the switch leads is 12 mm.

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.
These can also be 3 of the same driver if you require additional power in a 12 V system, for example.

IDR 234.979

Kandel •

• Hochfirst

Feldberg •

Belchen •



A modern retail interior featuring a clothing rack with several items hanging on it, illuminated by track lighting. Below the rack is a glass display case containing jewelry. The background is a dark wall with a yellow vertical stripe on the right side.

Networking

LOX5

Flexible networking. Wireless control.

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

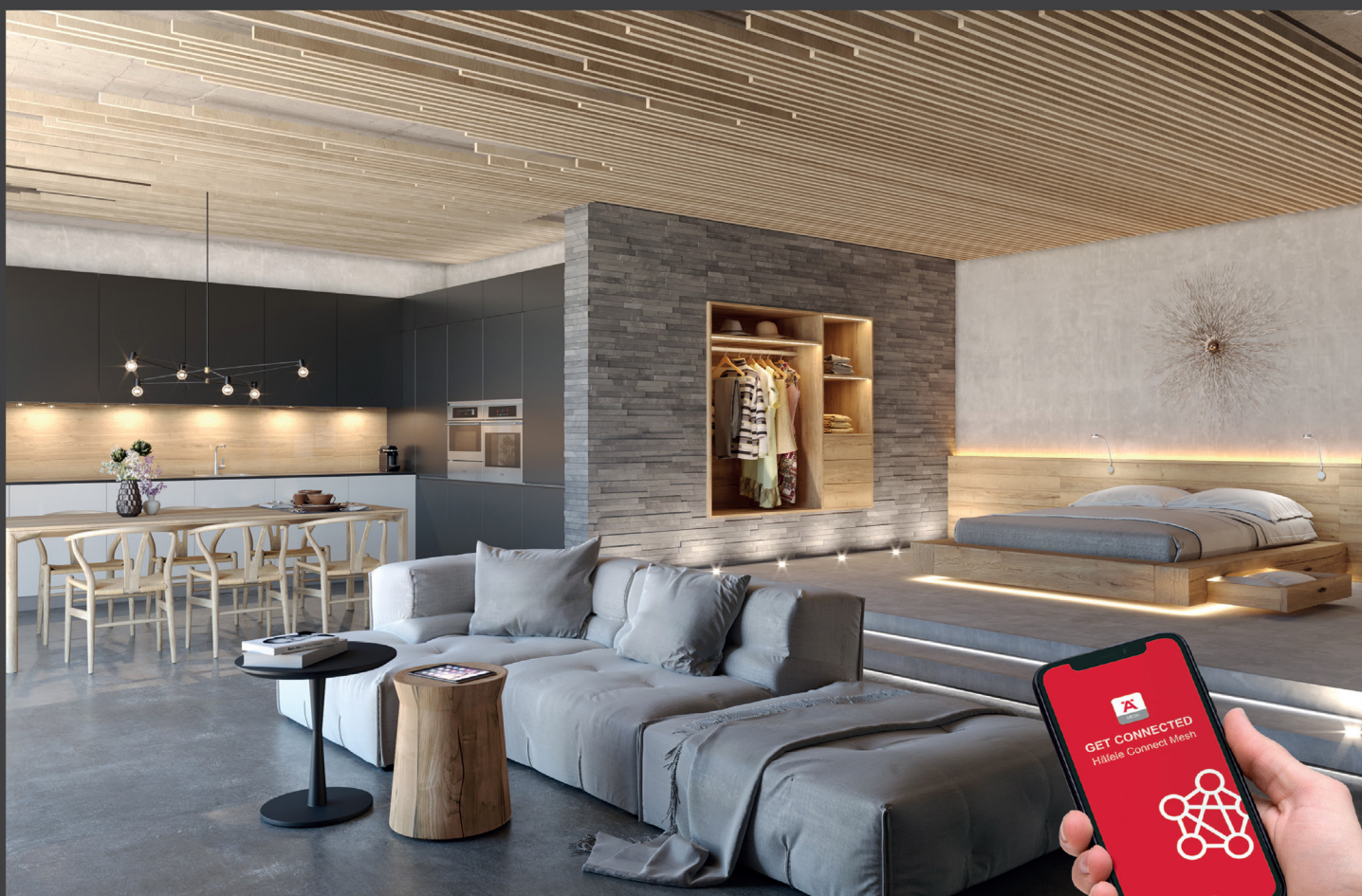
In order to provide a high degree of flexibility for setting up your lighting solutions, the tried-and-tested Mesh technology based on Bluetooth Low Energy is used.

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.

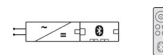
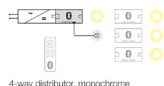
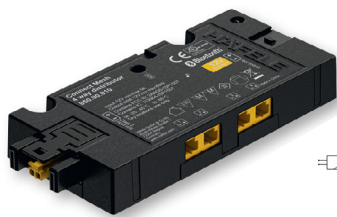
With Connect Mesh you have full flexibility, you can incorporate additional Mesh components at any time without tedious cable pulling, and have complete freedom when defining circuit diagrams, even across rooms and levels.

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.

LOOX5

Distributor



Connect Mesh 4-Way Distributor

Art. No. 850.00.910

> 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.



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.

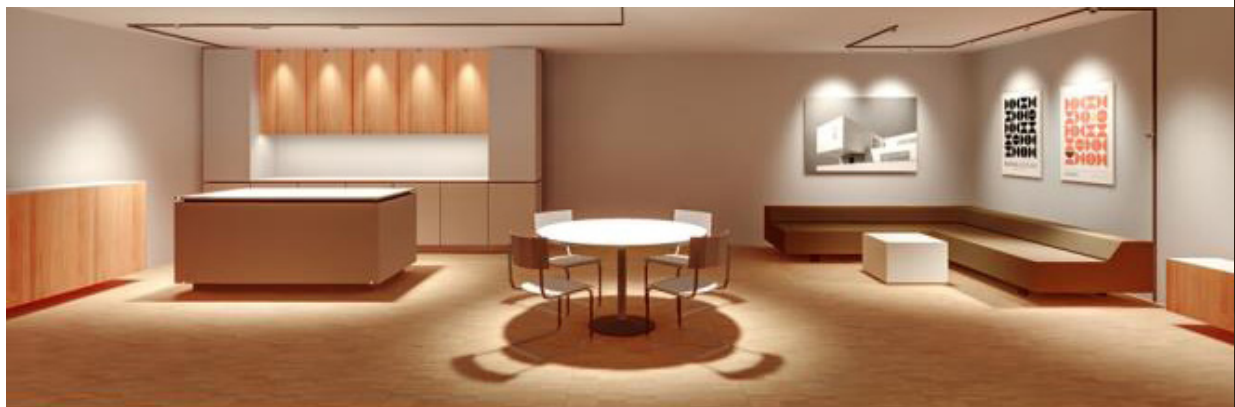
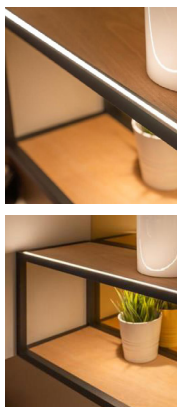
Input ports	Connections	Connected output ports	Power rating W
1 x plug, Loox5 2-pin 12 V box to box	1 x socket, Loox5 2-pin 12 V box to box	4 x sockets, Loox5 2-pin 12 V	36

IDR 797.193

Connect Mesh ECO Remote

Art. No. 850.00.950

IDR 663.014







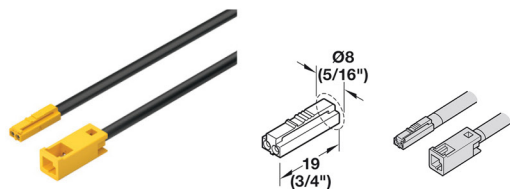


Distributing.

LOX5

LOOX5

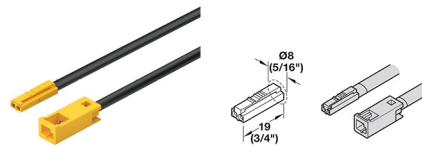
Extension Leads



Loox5 extension lead 12V/2.0m
Cat. No. 833.95.714

Area of application:	For monochrome lights and other 2-wire devices and distributor
Material:	Plastic
Current carrying capacity:	Max. 5A
Type of cable:	2-wire 18 AWG
Drill hole Ø:	Plug 8mm (5/16''), socket 13mm (1/2'')
Supplied with:	1 extension lead 1 plug/1 socket

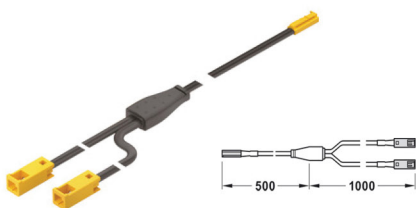
IDR 60.895



Loox5 extension lead 12V/0.5m
Cat. No. 833.95.712

Area of application:	For monochrome lights and other 2-wire devices and distributor
Material:	Plastic
Current carrying capacity:	Max. 5A
Type of cable:	2-wire 18 AWG
Drill hole Ø:	Plug 8mm (5/16''), socket 13mm (1/2'')
Supplied with:	1 extension lead 1 plug/1 socket

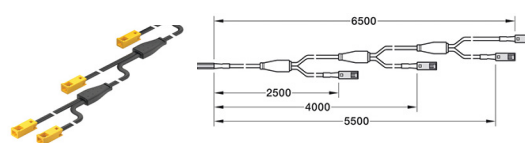
IDR 40.361



Loox5 Y Distributor 12V/1.5m
Cat. No. 833.93.737

> Material/Color:	Plastic, black
> Length:	1500 mm (59 1/16'')
> Supplied with:	1 lead 1 plug/2 sockets

IDR 101.433



Loox5 4-way extension lead 12V/6.5m
Cat. No. 833.95.742

Area of application:	For monochrome lights and other 2-wire devices and distributor
Current carrying capacity:	Max. 5A
Type of cable:	2-wire 18 AWG
Drill hole Ø:	Plug 8mm (5/16'')
Length:	6500mm (255 7/8'')
Supplied with:	1 extension lead 1 plug/4 sockets

IDR 232.107



HÄFELE

Main Leads

ILLUMINATING



EXTENDING



SWITCHING



NETWORKING



DISTRIBUTING



SUPPLYING



Mains Cable w.plug/EU/black/2m
Cat. No. 833.89.002

IDR 51.206

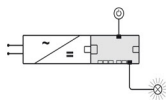


Mains Cable w.plug/US/black/2m
Cat. No. 833.89.003

IDR 51.000



LOOX5 Distributor

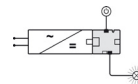


1 switch controls all output ports

Loox5 6-way distr. w.switch 12V
Cat. No. 833.95.748 **5 12V**

- > Material/Color: Plastic, black
- > L x W x H: 120 x 50 x 16 mm
(4 3/4" x 2" x 5/8")
- > 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
- > Supplied with: 1 distributor

IDR 132.400



Loox5 2-way distr. w.switch 12V
Cat. No. 833.95.901 **5 12V**

- Area of application: Suitable for small applications such as alternative to the 6-way distributor
- Material: Plastic
- Voltage: 12V
- Power rating: 60W
- Color system: Monochrome
- Connections: With box to box connector
- Supplied with: 1 x distributor incl. fixing material

IDR 100.100

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!



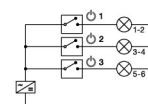
Loox5 6-way distr.w.3x switch 12V
Cat. No. 833.95.828 **5 12V**

- > Area of application: For switching on/off and dimming (0–100%)
- > Material/Color: Plastic, black
- > L x W x H: 120 x 50 x 16 mm
(4 3/4" x 2" x 5/8")
- > Number of connections: 1 x input port with box to box plug
1 x output port with box to box socket
3 x input switch sockets
6 x output ports
- > Supplied with: 1 distributor

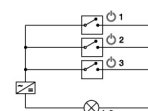
IDR 387.601

3 modes of operation

Parallel (red indicator light)
Switch 1 = controls outputs 1 and 2
Switch 2 = controls outputs 3 and 4
Switch 3 = controls outputs 5 and 6



No cross (blue indicator light)
Any of the three switches can turn the lights on.
To turn lights off, all switches must be turned off.



Cross (green indicator light)
Any of the 3 switches can turn on/off the lights.



- > Multi-switching function for up to 3 switches, saving space and cost
- > 3 switching mode options
- > Permanent soft on/off function, regardless of the switch that is used







Supplying.

LOX5

LOOX5

Drivers 12V



EXTRA
SLIM

Loox5 Driver 100-240V/12V/20W

Cat. No. 833.95.000 **5 12V**

IDR 468.400



EXTRA
SLIM

Loox5 Driver 100-240V/12V/40W/PFC

Cat. No. 833.95.002

IDR 824.500



EXTRA
SLIM

Loox5 Driver 100-240V/12V/60W/PFC

Cat. No. 833.95.003

IDR 940.300



Main Cable EU
833.89.002



Main Cable US
833.89.003

Plug design		
Description	US	EU
Supplied with	1 pc.	1 pc.
Item No.	833.89.003	833.89.002

- > Version: With overload protection
- > Material/Color: Plastic, black
- > Degree of protection: IP20
- > Input voltage: 100-240 V~; 50-60 Hz
- > Output voltage: DC 12 V
- > Number of connections: 1x socket Loox5 12 V
- > Life time: >50,000 hours
- > Safety: Class 2
- > Supplied with: 1 driver with mounting accessories
1 US power cord

5 12V	Output power	Output current	Standby power consumpt.	L x W x H	Item No.
	W	A	W		
1	20	1.67	≤0.2 W	140 x 50 x 16 (5 1/2" x 2" x 5/8")	833.95.000
2	40	3.33	≤0.3 W	191 x 60 x 16 (7 1/2" x 2 3/8" x 5/8")	833.95.002
3	60	5.00	≤0.3 W	230 x 70 x 16 (9 1/16" x 2 3/4" x 5/8")	833.95.003

! 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.

! Maximum lead length from the Loox5 driver to the device is 10,000 mm (393 11/16"). 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).



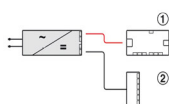
LOOX5

Drivers 12V





 SELV IP20



Main Cable US
833.89.003

! For applications that require continuous operation, please use Loox5 power supplies with a service life of 50,000 H. Maximum lead length from the Loox5 driver to the device is 10,000 mm (393 11/16"). 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).

Connection to Distributors

- 1) 4-Port Series Drivers cannot connect directly with box-to-box distributors. Please order extension lead separately, see page 110.
- 2) 6-way distributor with integrated lead cable (page 105) can connect directly to one of the 4 output ports.

! 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.

Loox5 ECO Driver w.swt. 100-127V/12V/20W
Cat. No. 833.72.932 **5 12V**

IDR 259.844

Loox5 ECO Driver w.swt. 100-127V/12V/40W
Cat. No. 833.72.934 **5 12V**

IDR 481.747

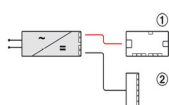
Loox5 ECO Driver w.swt. 100-127V/12V/60W
Cat. No. 833.72.966 **5 12V**

IDR 536.155

- > Ideal for smaller installations
- > Four Loox5 output ports
- > Switch port

> Version:	4-Port Series
> Material/Color:	Plastic, black
> Degree of protection:	IP20
> Input voltage:	100-127 V~; 50-60 Hz
> Output voltage:	DC 12 V
> Output ports:	4 x Loox5 12 V 2-pin sockets
> Input ports:	1 x socket; Loox switch
> Life time:	30,000 hours
> Safety:	Class 2; with overload protection
> Supplied with:	1 driver with mounting accessories 1 US power cord





- ① Distributors with a box to box connection cannot be engaged directly. An extension lead is required. Please order separately.
② 6-way distributor with integrated lead can be connected directly



Main Cable EU
833.89.002

Loox5 ECO Driver w.swt. 220-240V/12V/20W

Cat. No. 833.72.933 **5 12V**

IDR 272.000

Loox5 ECO Driver w.swt. 220-240V/12V/40W

Cat. No. 833.72.935 **5 12V**

IDR 459.900

Loox5 ECO Driver w.swt. 220-240V/12V/60W

Cat. No. 833.72.967 **5 12V**

IDR 582.696

- > With switching function
- > Extremely flat, 16 mm
- > 12 V drivers with Loox5 generation plug system



- > Version: With overload protection
- > Area of application: For LED lights (not suitable for other devices)
- > Material: Plastic
- > Colour/finish: Black
- > Mains frequency: 50–60 Hz
- > Output voltage: 12 V DC $\pm 3\%$
- > Connected output ports: 4 x sockets, Loox5 2-pin 12 V
- > Control input ports: 1 x socket, Loox switch
- > Life time: 30000 h
- > Installation: For screwing, for glue fixing
- > Installation reference: Provide for sufficient air supply and circulation at the mounting location. Provide inspection opening.

Note

Please note the regional mains voltage when selecting the power supply unit!

Please use Loox5 drivers with a service life of 50,000 hours for permanent operation.

Maximum lead length from the Loox5 power supply unit to the consumer: 10 m.

Loss of voltage in the cable due to long cable lengths in conjunction with large loads (band lengths).

These lead to visible loss of brightness in the lights.

The illuminance listed with the lights has been determined with the nominal output voltage of the driver (12 V or 24 V).





Supplied with

1 power supply unit with fixing material



Test Symbols & 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 property of their respective owners.



Test symbol

-  TÜV seal of quality
-  Confirmation from manufacturer that the product complies with the product-specific applicable European norms and standards. Häfele will not use the certification in advertising.
- RoHS** Restriction of Hazardous Substances (EU directive 2011/65/EU). Häfele will not use the certification in advertising.
-  Underwriters Laboratories, correspondence with the national standards in the USA and Canada
-  Energy efficiency standard level VI (USA) meets DOE new standards
-  Product Safety Electrical Appliance and Material Safety Law (for Japan)
-  Regulatory Compliance Mark (for Australia)
-  China Compulsory Certification
- EAC** Eurasian Conformity, for CU countries (Russia, Kazakhstan, Belarus)
-  Korea Certification Mark
-  Bureau of Standards, Metrology & Inspection BSMI (for Taiwan)
-  Thai Industrial Standards Institute TISI
-  European Norms Electrical Certification, with indication of the testing laboratory (one of 18 European national institutes)
- FC** 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

- IP20** Only for use in dry locations
- IP44** Penetration by solid foreign bodies $q \geq 1$ mm is prevented. Water spray protection (water from all directions)
- IP65** Dustproof, protection from water spray (jet) from any angle.
-  IP44 after installation
-  IP65 after installation

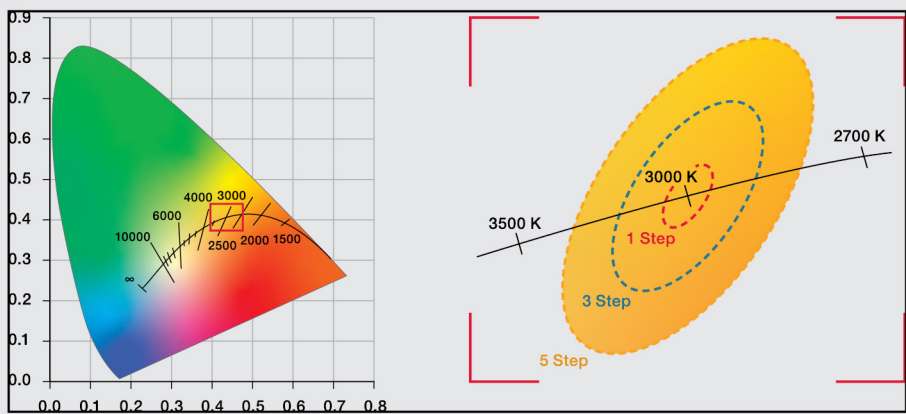
Safety symbols

-  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

Technical Terms

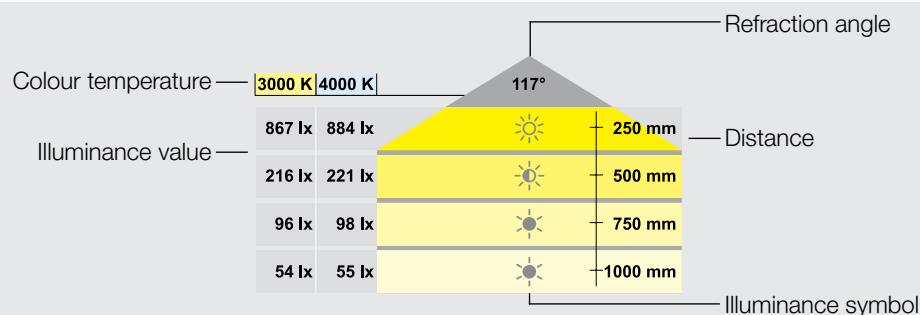
Refraction angle	The refraction angle (beam angle) describes the angle between two imagined straight lines in a plane through the visual beam axis, whereby these straight lines go through the center of the front of the lamp and through the points at which the illuminance is 50% of the illuminance on the visual beam axis.														
Illuminance	The illuminance is the luminous flux (lm) in relation to a surface (m ²) and it is indicated in Lux (lx). It is used to measure the brightness with which a surface is illuminated.														
Binning	During industrial manufacture, LEDs differ from each other with regard to color, luminous flux (brightness) and forward voltage. In order to achieve consistent light quality with the same brightness level and a uniform light color, they are therefore sorted according to color, luminous flux and forward voltage and separated into bins ("containers") during manufacturing. This sorting process is known as Binning. Häfele exclusively uses bins with a high degree of brightness in order to achieve high efficiency.														
Bluetooth® Mesh	Network technology which was introduced in 2017, based on Bluetooth® Low Energy, in which all components (controls, devices) form a joint network, which is ideal for controlling lights. Häfele Connect Mesh uses this technology.														
Energy efficiency class	The energy efficiency class provides information about the relevant energy consumption. Lamps and lights are categorized in classes E to A++. LED lights achieve the highest classes A to A++.														
Color temperature and light color	The color temperature is a specification of the color appearance of a white light source and is measured in Kelvin (K). The lower the color temperature, the warmer the light color; the higher the color temperature, the cooler the light color. White light sources with a color temperature below 3400 K are considered "warm white" by Häfele, white light sources with a color temperature between 3400 K and 5700 K are considered "cool white". White light sources above 5700 K are referred to as "daylight white".														
Color consistency/ color differences	 <p>Color differences are specified in stages, so called "MacAdams Ellipses" or "SDCM" (Standard Deviation of Color Matching). Häfele uses 3 SDCM binnings for its LED products. This is a good value, because it is statistically unlikely that LEDs with a maximum color difference will be next to each other on the strip light or in the light and that the color difference is visible. In its ErP directive, the EU Commission stipulates that 6 SDCMs may not be exceeded for LED products.</p> <table border="1"> <thead> <tr> <th>SDCM</th><th>Visibility</th></tr> </thead> <tbody> <tr> <td>1</td><td>Only people with extremely good vision can see the most minimal color differences.</td></tr> <tr> <td>2</td><td>Most minimal color differences are visible.</td></tr> <tr> <td>3</td><td>Very small color differences are visible.</td></tr> <tr> <td>4</td><td>Color differences are visible.</td></tr> <tr> <td>5</td><td>Significant color differences are visible.</td></tr> <tr> <td>>5</td><td>Very clear color differences are visible.</td></tr> </tbody> </table>	SDCM	Visibility	1	Only people with extremely good vision can see the most minimal color differences.	2	Most minimal color differences are visible.	3	Very small color differences are visible.	4	Color differences are visible.	5	Significant color differences are visible.	>5	Very clear color differences are visible.
SDCM	Visibility														
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5	Significant color differences are visible.														
>5	Very clear color differences are visible.														
Color rendering index CRI	The color rendering index is a parameter that can be used to compare the color rendering quality of light sources at the same color temperature. The higher the value, the better the color rendering. A value of 100 corresponds to the color rendering of sunlight.														
Weighted energy consumption	The weighted energy consumption is rounded to two decimal places in kilowatt hours in relation to 1,000 hours of use. It applies to operation of the LED with an external driver. The calculation and publication of this value is defined by EU ordinance No. 874/2012.														




Technical Terms

Constant current technology	The same current flows through each LED. That means that the brightness of all LEDs is the same, and a drop in luminous flux is prevented. This increases the maximum visual length of the strip lights.																												
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><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><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></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
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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 L80/B10	L80 is the time after which the LED is still emitting 80% of its original light. B10 means that 10% of the LEDs may have less than 80% of the original light output. Häfele tests all LEDs it uses in accordance with the LM-80 standard. LM-80 is a standardized testing method, which allows products to bear the EPA's (Environmental Protection Agency) Energy Star. The test is a manufacturer-independent comparison of LEDs. During the test the luminous flux (Lumen maintenance) of an LED is tested at three different temperatures for a minimum of 6,000 hours. Then the life time L80 is calculated by means of extrapolation. The extrapolation procedure is described in regulation IES TM-21.																												
LED	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 base, and both are encapsulated in protective plastic. LEDs are mostly based on inorganic, i.e. non-carbon based materials.																												
Luminous efficacy	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 Lumens per Watt (lm/W).																												
Luminous flux	It is indicated in Lumen (lm). The luminous flux indicates the light output, i.e. the quantity of light a source emits. The value may be subject to measurement and production-related fluctuations of ±10%.																												
Drop in luminous flux	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. That's why Häfele 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) always have the same brightness.																												
Max. strip light length	Visual value Strip light length with an imperceptible drop in luminous flux of max. 30%. Wattage-dependent value Strip light length = output power of driver / wattage of the strip light per meter. If the wattage-dependent value is greater than the visual value, a difference in brightness will be perceivable. Exception: The LEDs of the strip lights with constant current technology (LED 2077/3050/3051/3052) always have the same brightness.																												
Multi-white	The light color of shades of white can be changed as required with Häfele Connect Mesh, e.g. from warm white to cool white.																												
RGB	RGB is the abbreviation for red, green and blue. In combination with Häfele Connect Mesh, almost any color combination can be created from these three primary colors.																												
RoHS – Lead in Loox products	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 catalogs, since only CE compliant products are allowed to be offered. The declaration of conformity is available online at www.hafele.com																												
Transmittance	Ratio of transmitted light to incidental light. An ideal transparent body would have a transmittance of 100%.																												

Light Effects and Lighting Technology

Cone of light



	>500 lx
	150–500 lx
	<150 lx



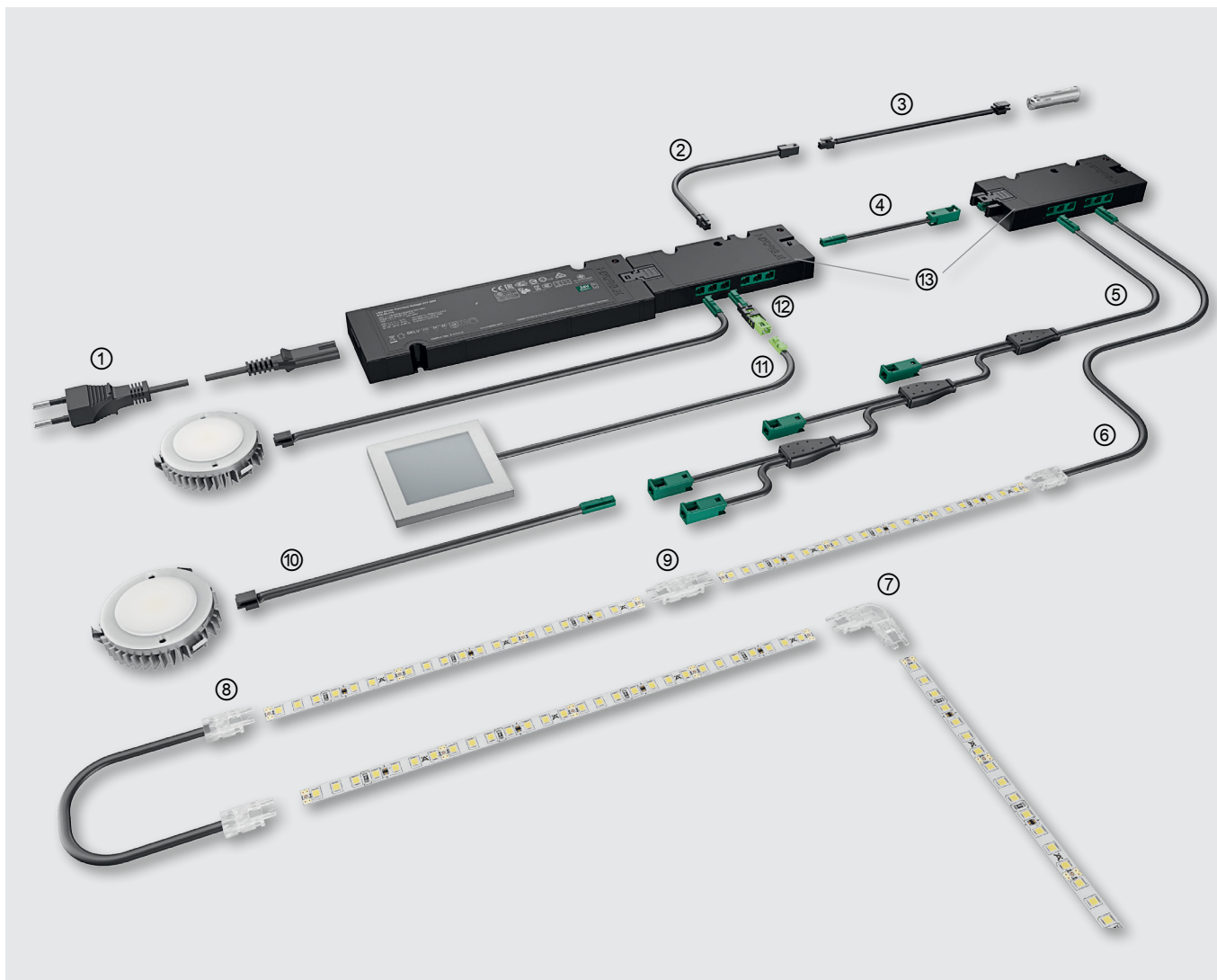
Note:

The illuminance symbol always represents the best value of all colour temperatures and is meant to be for quick guidance only. Please note the specific values of the individual colour temperatures and the refraction angle before ordering!

Recommendation for illumination of interior rooms

Interior room type	Illuminance in Lux on		Colour temperature in K
	Working height: 750 mm	Floor-high	
Kitchens, offices	500	150	2700–4000
Dining area	300	100	2700–4000
Store fixtures, galleries	300–500	150	4000–6500
Bedroom, living room	200–300	100	2700–4000
Bathroom	200–450	150	3500–4000
Storage room	200	100	4000–5000
Traffic areas	–	100	4000–5000
Orientation light	–	25–50	4000–5000

Definition of Terms



- | | |
|--|--|
| ① Mains lead | ⑧ Interconnecting lead for LED strip light |
| ② Extension lead for switch | ⑨ Clip connector for LED strip light |
| ③ Lead for modular switches | ⑩ Lead for modular lights |
| ④ Extension lead | ⑪ Light with permanent lead |
| ⑤ 4-way extension lead | ⑫ Adapter |
| ⑥ Lead for LED strip light | ⑬ 6-way distributor |
| ⑦ Corner connector for LED strip light | |

Find out more

The Loox5 logo is centered within a white circle on a grey background. The logo itself consists of the letters 'LOOX5' in a bold, sans-serif font, with a stylized light switch icon integrated into the letter 'O'.

LOOX5

LOOX5 Components and Advantages



SCAN TO WATCH

LOOX5 Connect Mesh



SCAN TO WATCH

