



HÄFELE

www.hafele.co.nz

LOOX5

EASY ORDER GUIDE

LOOX5

The Häfele Loox5 Easy Order Guide brochure brings you our most common lighting combinations in an easy to understand format. Your lighting inspiration, easy order guide!



We have spent approximately 100,000 hours working with LED lights, researching and developing. We have had many valuable discussions with our partners in trade and industry – and we have learned a great deal. The market is demanding digital solutions.

After four generations of Loox LED lights the result is not simply advanced development but it has brought our Loox LED lighting to the next level. The world is accelerating and the demands of our customers along with it. Our development has accelerated to exceed those demands.

The experience 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

Welcome to the innovative Loox5
Engineered by Häfele.

Supplying.

Output current 5 A. Suitable for longer installation routes.
Engineered by Häfele.

Distributing.

Wired.

6-way distributor for monochrome lights. With connector for all standard switches from the Loox product range.



Straight down the line.

Networking.

Wireless.

Häfele Connect Mesh 6-way distributor.
For RGB, multi-white and monochrome
lights. Engineered by Häfele.

Illuminating.

Equipped with high-quality LEDs
made by Samsung.

Häfele Connect
Mesh push
button, wall
mounted



Push button,
wall mounted
External
product

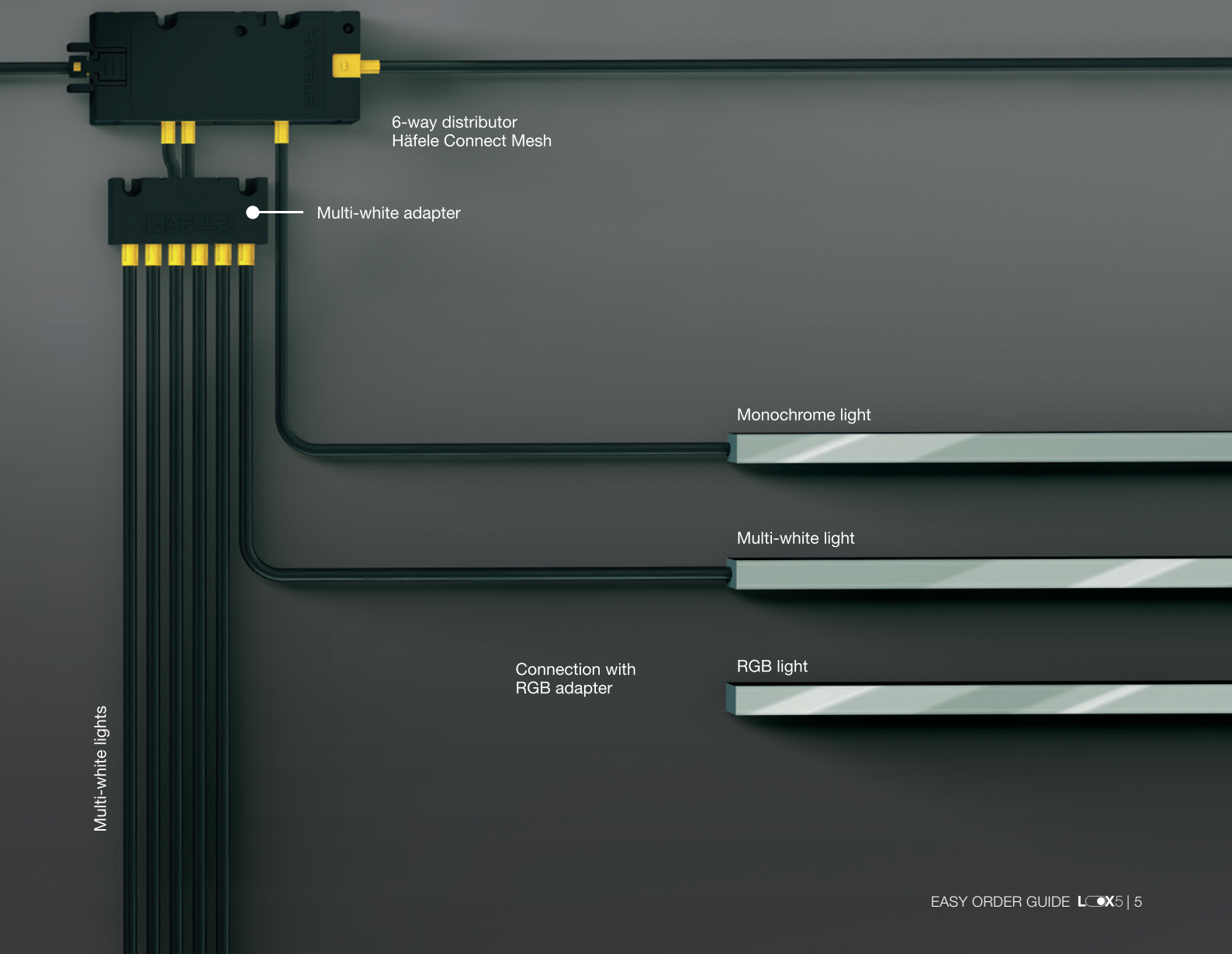


Networking via
Häfele Connect
Mesh 2-channel
interface

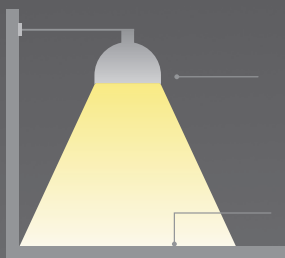
Häfele Connect
Mesh App



Häfele Connect
Mesh remote
control



LIGHT MEASUREMENTS



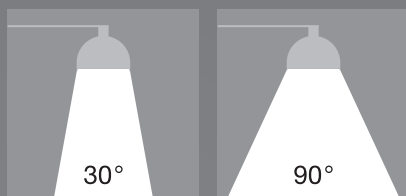
Lumen

Lumen is the unit of measurement used to indicate the volume or amount of light emitted by a lamp. Lumen is measured at the lamp's source. Think of lumen as the "showerhead" that showers light down onto a surface.

3000 K	4000 K	80°
2236 lx	2257 lx	10"
759 lx	764 lx	20"
248 lx	250 lx	30"
139 lx	141 lx	40"

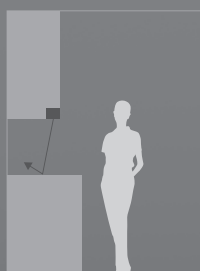
Lux

Lux is the measurement of light intensity taken at the surface being illuminated. If Lumen is the showerhead, Lux is where the water lands on the shower floor. 1 Lux is defined as 1 square metre of light emitted by a standard wax candle placed 1 metre from an illuminated surface.



Beam Angle

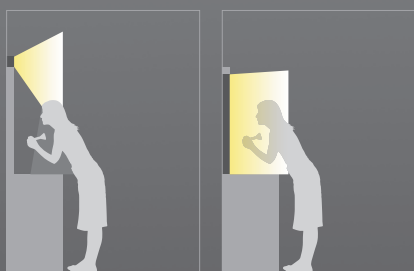
The beam angle is the measurement of the cone of light that is emitted from a lamp. It is measured from its furthest edges where the light falls to 50% of the maximum intensity from the centre. The centre is commonly referred to as Nadir.



Reflections

Light reacts differently to various materials, finishes, colours and tones:

- > It is absorbed by dark materials
- > It is reflected by light materials
- > Surfaces that are smooth and shiny reflect more light than rough, dull surfaces



Working with Shiny Surfaces

Place under cabinet lights at the front edge of the cabinet to minimize glare from high-gloss countertops and backsplashes

Shadows

- > Cubbies, alcoves and other dark cavities will benefit from ribbon and spot lighting
- > Use medium intensity light to avoid creating harsh shadows
- > For mirrors, use vertical recessed lighting to create a functional wash of light that avoids creating heavy shadows

Colour Rendering Index (CRI)

An LED's CRI number refers to its ability to accurately render colours in the way they are meant to be seen. A higher number indicates a better quality of light that more closely resembles natural sunlight. Higher CRI ratings reflect a dramatic improvement in the quality of LED lighting. Varying the CRI can affect how objects, spaces and people appear to the eye.

- > A high CRI offers the most realistic looking lighting
- > Lighting in bathrooms or around mirrors requires more realistic facial tones, and calls for lighting with a high CRI
- > A high or low CRI will produce a significant colour difference on surrounding surfaces

COLOUR TEMPERATURE

Light colour is used to establish character or mood in an environment. The colour the light produces is called the colour temperature and is expressed in degrees Kelvin (K).

- > The lower the Kelvin rating, the warmer the light colour, light with more red tones is at a lower colour temperature, and is described as warm.
- > The higher the Kelvin rating, the cooler the light colour, pure white light is at a higher colour temperature, and is described as cool.



Colour Temperature	Colour	Attributes	Applications
2700 K	Warm white	Comfortable, cozy, soft, relaxing. Compare to an incandescent light bulb.	Bedrooms, living rooms, dining rooms, restaurants.
3000 K	Bright warm white	Inconspicuous, homey, casual, slightly brighter than warm white	Living rooms, restaurants, hotels, outdoor lighting.
4000 K	Cool white	Bright, friendly, inviting, natural.	Typically for kitchens, bathrooms, and home offices.
5000 K	Cool white	Bright and airy.	Product displays and graphics.
6500 K	Daylight white	Close to daylight, good colour rendering, higher proportion of blue, neutral.	Retail and jewellery stores.

Rule of Thumb for Choosing Colour Temperature

Choose temperature to complement materials. A warm colour temperature works well with wood finishes, while cool colour temperatures are best for white, metallic, glazed or painted finishes. Colour temperature can highlight and enhance a cabinet's finish by adding depth and brilliance. The wrong colour temperature can flatten or distort the finish or colour.

Commit to a Single Colour Temperature within a Room

Choose either warm or cool colours; mixing lighting colours will create an inconsistent look. For example, if you choose cool light for a tall cabinet, then choose cool colour lights in drawers and base cabinets as well.

Lighting Types	White	Multi-White	RGB
Task light	•••	•	—
Room light	••	•	•
Directional light	•••	•••	••
Decorative light	•••	•••	•••

• Good •• Better ••• Best

Interior Lighting Recommendations

Area	Lux	Colour Temperature
Kitchen, dining area	300–500	2700–4000 K
Retail, jewelry stores	300–500	4000–6500 K
Bedroom, living room	200–300	2700–4000 K
Bathroom	200–500	3500–4000 K
Storage	100	4000–5000 K
Orientation lighting, hallway, closet	10–50	4000–5000 K

Quick Select

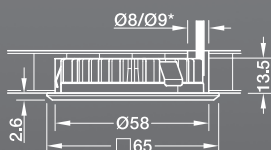
Luminosity	Definition	Light Colour	Kelvin
Task	500 lux / 500 mm	Warm white	<3400 K
Accent / functional	151 lux–499 lux / 500 mm	Cool white	3400–5900 K
Orientation (night light)	<150 lux / 500 mm	Daylight	>5900 K
		Multi-white	2700–6500 K

LED 2025 modular system IP44. Up to 5 down lights per 20w driver.

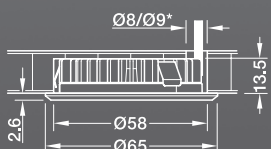


2700 K	3000 K	4000 K	5000 K		80°
2600 lx	2650 lx	2700 lx	2800 lx		250 mm
730 lx	750 lx	780 lx	800 lx		500 mm
320 lx	350 lx	345 lx	350 lx		750 mm
180 lx	185 lx	185 lx	190 lx		1000 mm

Recess mounting, square



Recess mounting, round



Required

Start lead - 2000 mm



Cat. No.

833.95.788

Required

Häfele Loox5 LED 2025

> Wattage: 3.8/m

Colour temp. K

Cat. No.

2700 (Warm White)

833.72.350

3000 (Warm White)

833.72.351

4000 (Cool White)

833.72.352

5000 (Cool White)

833.72.323



Required / Recess mounted housing

Häfele Loox5 LED 2094

Finish

Round

Square

Silver coloured

833.72.126

833.72.127

Black

833.72.168

833.72.172

White

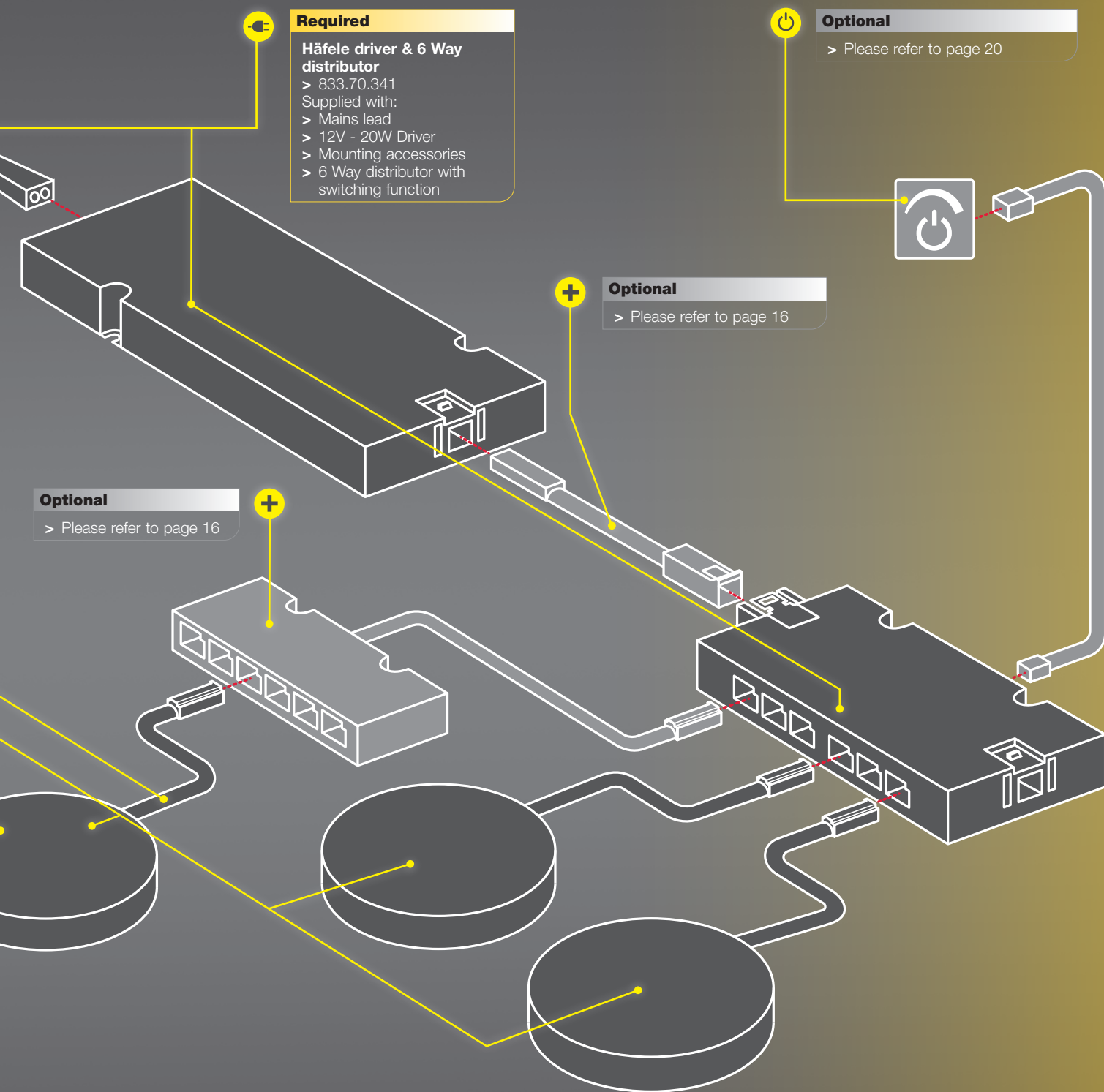
833.72.171

833.72.175



Note

> Please refer to full catalogue for more options.



LED 2065 standard system.

Great light output for toe kicks and ambient lighting.

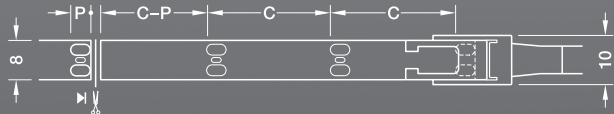
Allowing strip lights up to 6 m



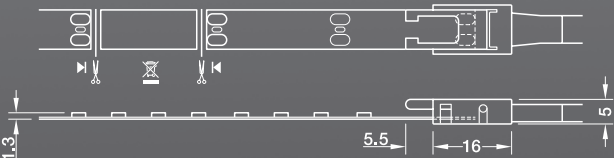
2700 K	3000 K	4000 K	5000 K		120°	
1050 lx	1090 lx	1120 lx	1130 lx			250 mm
435 lx	455 lx	460 lx	470 lx			500 mm
240 lx	245 lx	260 lx	260 lx			750 mm
145 lx	150 lx	155 lx	160 lx			1000 mm

Illuminance value in lx applies to 1000 mm strip length

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



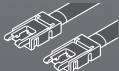


Connect LED strip lights (two contact sides required)

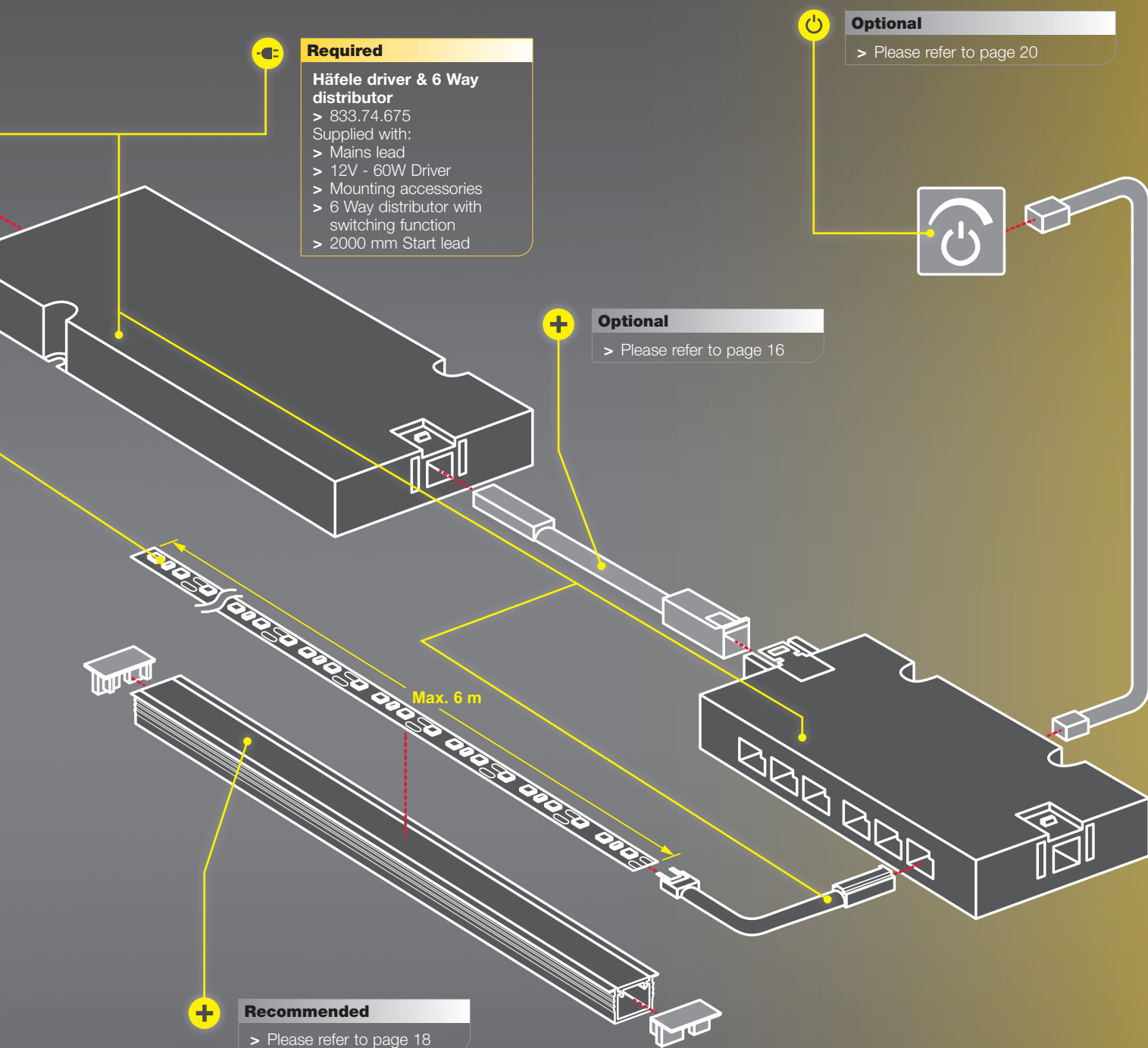


C = section length; P = length of contact surface

Required / One included with driver set	
Start lead - 2000 mm	
	Cat. No. 833.95.700

Required		
Häfele Loox5 LED 2065 dimmable strip light Monochrome, 8 mm > Wattage: 4.8/m > Number of LEDs: 120/m > Max strip light length: 6 m		
Colour temp. K	Cat. No. 5 m	Cat. No. 50 m
2700 (Warm White)	833.74.354	833.74.358
3000 (Warm White)	833.74.355	833.74.359
4000 (Cool White)	833.74.356	833.74.360
5000 (Cool White)	833.74.357	833.74.361

Additional Optional Items		
Interconnecting lead for LED strip light 8 mm > 5 A/18 AWG		
	Length mm	Cat. No.
	50	833.89.191
	2000	833.89.193
Clip connector for LED strip light 8 mm, 5 A		
	Cat. No.	
	833.89.206	
90° rigid clip connector for LED strip light 8 mm, 5 A, left or right		
	Cat. No.	
	833.89.187	



LED 2068 intermediate system.

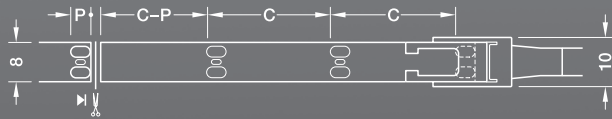
Superior light output great for task lighting under overheads. Allowing strip lights up to 4 m



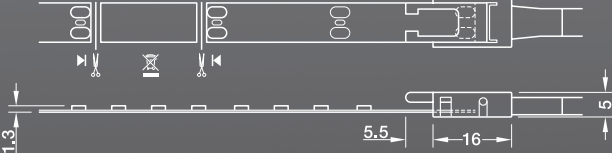
2700 K	3000 K	4000 K	5000 K	120°	
2145 lx	2250 lx	2300 lx	2300 lx		250 mm
900 lx	940 lx	950 lx	955 lx		500 mm
480 lx	505 lx	510 lx	515 lx		750 mm
300 lx	310 lx	320 lx	320 lx		1000 mm

Illuminance value in lx applies to 1000 mm strip length

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



Connect LED strip lights (two contact sides required)

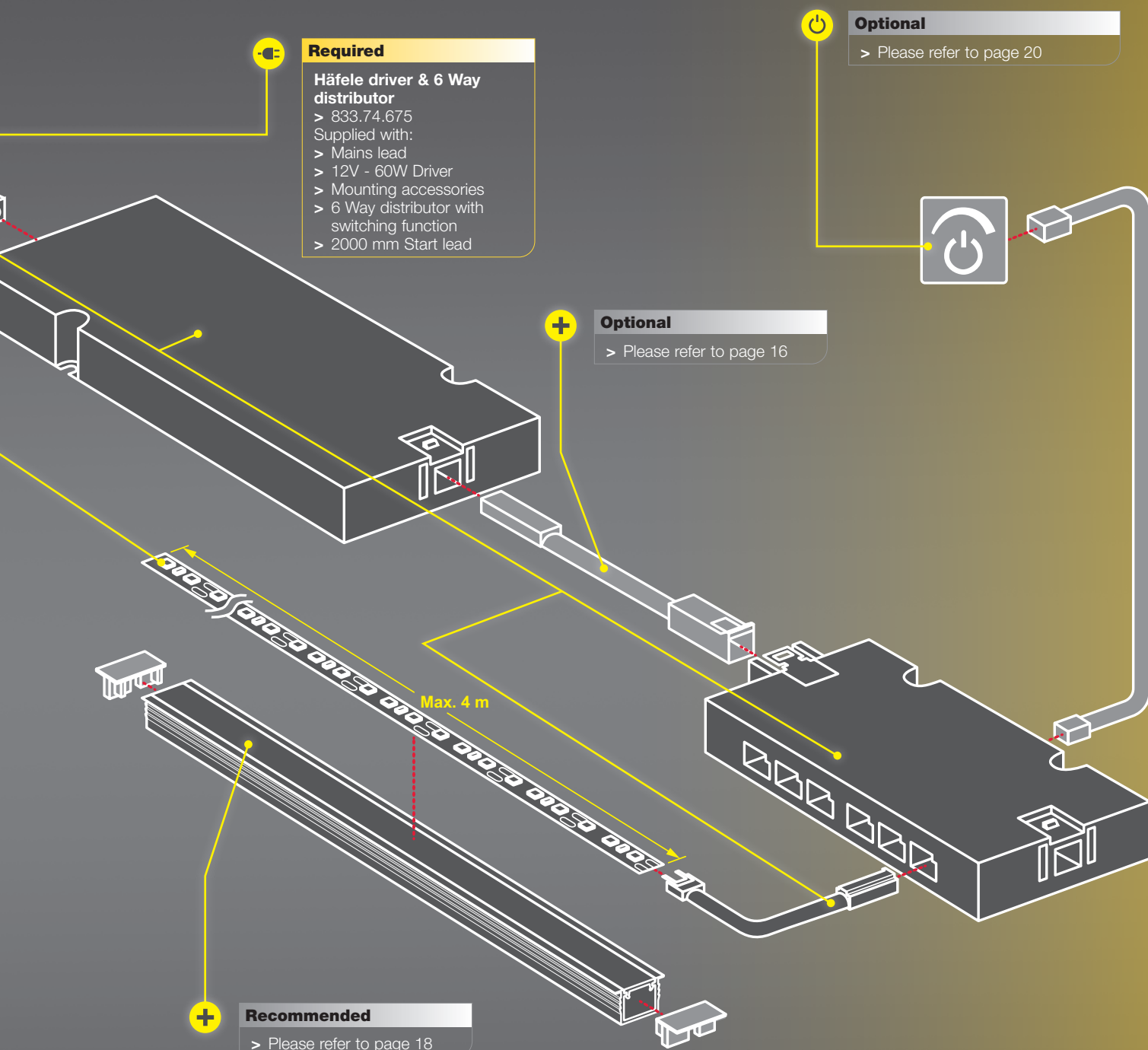


C = section length; P = length of contact surface

Required / One included with driver set	
Start lead - 2000 mm	
	Cat. No.
	833.95.700

Required		
Häfele Loox5 LED 2068 dimmable strip light		
Monochrome, 8 mm		
> Wattage: 9.6/m		
> Number of LEDs: 120/m		
> Max strip light length: 4 m		
Colour temp. K	Cat. No. 5 m	Cat. No. 50 m
2700 (Warm White)	833.74.362	833.74.366
3000 (Warm White)	833.74.363	833.74.367
4000 (Cool White)	833.74.364	833.74.368
5000 (Cool White)	833.74.365	833.74.369

Additional Optional Items		
Interconnecting lead for LED strip light 8 mm		
> 5 A/18 AWG		
	Length mm	Cat. No.
	50	833.89.191
	2000	833.89.193

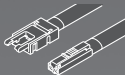


LED 3042 long run system.

Great light output for hallways, stair wells or large scale ambient back lighting.

Allowing strip lights up to 12 m



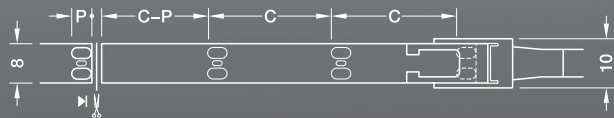
Required / One included with driver set	
Start lead - 2000 mm	
	Cat. No. 833.95.706

Required	
Häfele Loox5 LED 3042 dimmable strip light Monochrome, 8 mm	
> Wattage: 4.8/m > Number of LEDs: 120/m > Max strip light length: 12 m	
Colour temp. K	Cat. No. 50 m
2700 (Warm White)	833.76.320
3000 (Warm White)	833.76.321
4000 (Cool White)	833.76.322
5000 (Cool White)	833.76.323

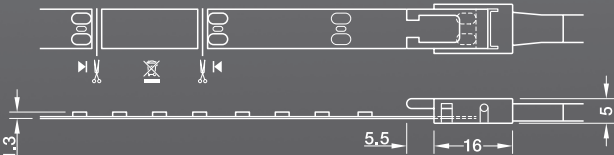
2700 K	3000 K	4000 K	5000 K		120°
1050 lx	1090 lx	1120 lx	1130 lx		250 mm
435 lx	455 lx	460 lx	470 lx		500 mm
240 lx	245 lx	260 lx	260 lx		750 mm
145 lx	150 lx	155 lx	160 lx		1000 mm

Illuminance value in lx applies to 1000 mm strip length

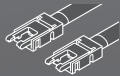


Cut LED strip light to length (one contact side remains on the reusable, remainder piece)

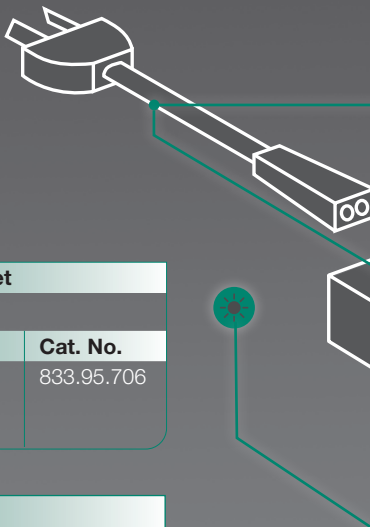


Connect LED strip lights (two contact sides required)



C = section length; P = length of contact surface

Additional Optional Items		
Interconnecting lead for LED strip light 8 mm > 5 A/18 AWG		
	Length mm	Cat. No.
	50	833.89.191
	2000	833.89.193
Clip connector for LED strip light 8 mm, 5 A		
	Cat. No.	
	833.89.206	
90° rigid clip connector for LED strip light 8 mm, 5 A, left or right		
	Cat. No.	
	833.89.187	



Required

Häfele driver & 6 Way distributor

- > 833.77.985
- Supplied with:
- > Mains lead
- > 24V - 90W Driver
- > Mounting accessories
- > 6 Way distributor with switching function
- > 2000 mm Start lead

Optional

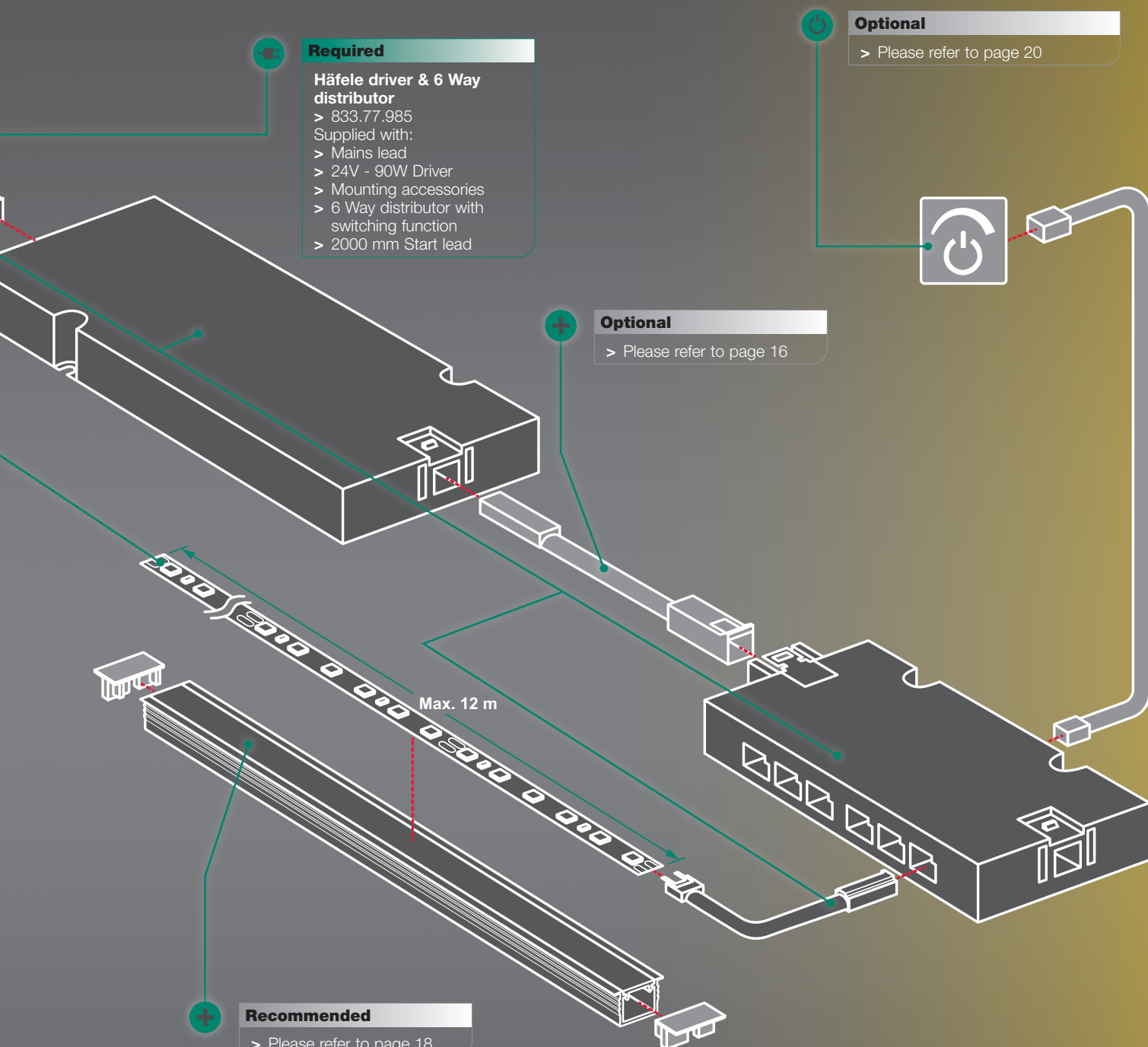
- > Please refer to page 20

Optional

- > Please refer to page 16

Recommended

- > Please refer to page 18



Driver, constant voltage 12 V, 40 W



- > With overload protection
- > 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
- > Material: plastic; Colour: Black

Output power W	Output current A	Standby power consumption W	Cat. No.
20	1.67	≤0.3	833.95.001
40	3.33		833.95.002
60	5.00		833.95.003
Description			Cat. No.
Mains lead 230V			833.89.001

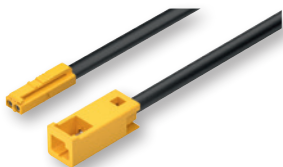
Driver, constant voltage 24 V, 90 W



- > With overload protection
- > Degree of protection: IP20
- > Input voltage: 100–240 V~; 50–60 Hz
- > Output voltage: DC 24 V
- > Number of connections: 1x socket Loox5 24 V
- > Material: plastic; Colour: Black

Output power W	Output current A	Standby power consumption W	Cat. No.
90	3.75	≤0.3	833.95.011
Description			Cat. No.
Mains lead 230V			833.89.001

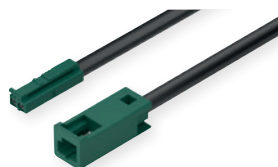
Extension lead, 12 V



- > For connecting drivers to distributors and distributors to distributors
- > Max. current carrying capacity: 5 A
- > Material: Plastic

Length (mm)	Cat. No.
500	833.95.712
1000	833.95.713
2000	833.95.714

Extension lead, 24 V



- > For connecting drivers to distributors and distributors to distributors
- > Max. current carrying capacity: 5 A
- > Material: Plastic

Length (mm)	Cat. No.
500	833.95.719
1000	833.95.718
2000	833.95.717

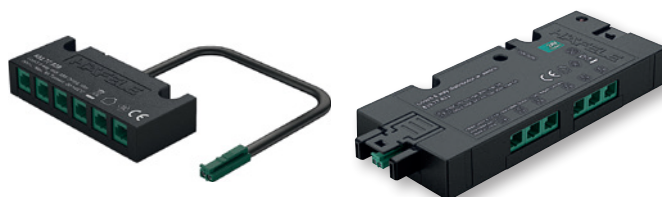
Distributors, 12 V



- > Max. connected wattage: 60 W

Description	Cat. No.
6-way distributor without switching function	833.95.786
Box-to-box 6-way distributor	833.95.748
6 Way Distributor, Bluetooth Connect Mesh, with switching function. For use with wireless switching	850.00.042

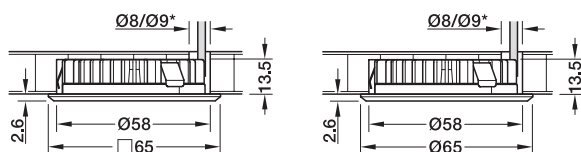
Distributors, 24 V



- > Max. connected wattage: 90 W

Description	Cat. No.
6-way distributor without switching function	833.77.839
Box-to-box 6-way distributor	833.77.833
6 Way Distributor, Bluetooth Connect Mesh, with switching function. For use with wireless switching	850.00.043

LED 2025 recess mounted downlight



Recess mounting, square

Recess mounting, round

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	350 lx	345 lx	350 lx		750 mm
180 lx	185 lx	185 lx	190 lx		1000 mm

- > Equipped with high-quality Samsung LEDs
- > Dimmable
- > Energy efficiency class: A+
- > Degree of protection: IP44 recess mounted
- > Recess drill hole Ø: 58 mm
- > Number of LEDs: 1
- > Wattage: 3.8
- > Material: Aluminum/ Plastic

Voltage V	Colour temp K	Cat. No.
5 12V	2700 (Warm White)	833.72.350
	3000 (Warm White)	833.72.351
	4000 (Cool White)	833.72.352
	5000 (Cool White)	833.72.323

Accessories

- > Housing for recess mounting, plastic

Colour		Round Cat. No.	Square Cat. No.
Black		833.72.168	833.72.172
Silver coloured		833.72.126	833.72.127
White, RAL 9003		833.72.171	833.72.175

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

Voltage V	Length (mm)	Cat. No.
5 12V	2000	833.95.788

Note

For more housing options, please refer to full catalogue.

LED 2065 / 2068 / 3042 recess mounted downlight



LED 2065 / 2068



LED 3042

- > Quantity LEDs/m: 120

Voltage V	Colour temp. K	Wattage W/m	Max. strip length (visual) m	Available length	
				5 m	50 m
5 12V	Häfele Loox5 LED 2065				
	2700	4.8	6.0	833.74.354	833.74.358
	3000			833.74.355	833.74.359
	4000			833.74.356	833.74.360
	5000			833.74.357	833.74.361
	Häfele Loox5 LED 2068				
	2700	9.6	4.0	833.74.362	833.74.366
	3000			833.74.363	833.74.367
	4000			833.74.364	833.74.368
	5000			833.74.365	833.74.369
5 24V	Häfele Loox5 LED 3042				
	2700	4.8	12.00	Refer to full catalogue.	833.76.320
	3000				833.76.321
	4000				833.76.322
	5000				833.76.323

Accessories

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

Voltage V		Length (mm)	Cat. No.
5 12V		2000	833.95.700
5 24V			833.95.706

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

Length (mm)		Cat. No.
50		833.89.191
2000		833.89.193

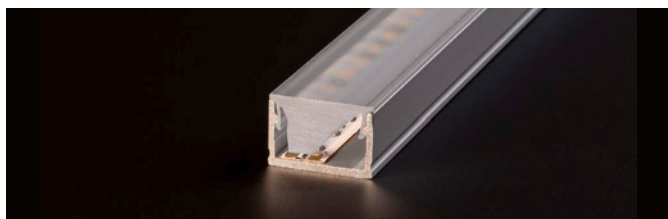
- > 5 A clip connector for LED strip light 8 mm

Description		Cat. No.
Clip connector		833.89.206

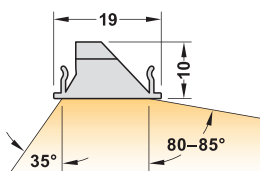
- > Corner connector, 90° rigid, 5 A for left or right for 8 mm LED strip light

Description		Cat. No.
Clip connector, rigid		833.89.187

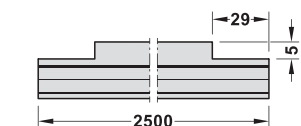
Linear Lens for focused lighting



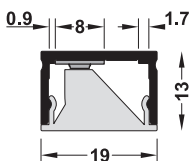
Glare-free illumination



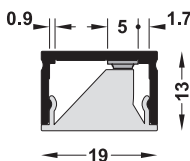
80-85° functional area illumination



Lateral recesses for clip connector



With 8 mm LED strip light



With 5 mm LED strip light

- > Area of application: Work lighting in the kitchens and work surfaces
- > Features: Concentrates the light and increases the illuminance by 100% in the desired functional area, while reducing glare by 85%.
- > Suitable for: Linear lens in combination with 5 or 8 mm wide Loox5 LED strip lights
- > Length: 2500 mm
- > Height: 13 mm
- > Material: Profile: aluminium, Linear lens: plastic
- > Colour: silver coloured anodised

Cat. No.

833.89.305

Supplied with

- 1 piece aluminium profile
- 1 piece linear lens

Installation

The following planning steps are required before installing the strip light:

1. Determine the position of the power supply (clip connector) on the right or left. This can be freely selected by rotating the strip light by 180°. Ensure that the connections have the correct polarity.
2. Determine the cutting position of the linear lens:
Take light beam into consideration (functional area illumination)
Note position of recess for power supply via the clip connector.

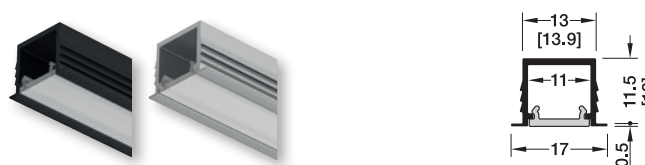
Recess mounting profile 1190 / 1191



- > Length: 2500 mm
- > Diffuser width: 18 mm
- > Material: Aluminum; Finish: Silver coloured anodised

Colour	Height (mm)	End caps	Cat. No.
Milky	8.5	833.72.855	833.72.844
	13	833.72.854	833.72.846

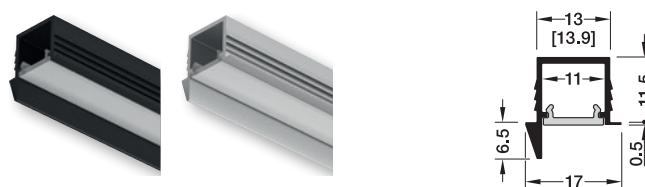
Recess mounting profile 1103



- > Length: 3000 mm
- > Diffuser width: 11 mm
- > Material: Aluminum
- > Diffuser: Plastic; Finish: Opal white

Colour	End caps	3000 mm
Black	833.95.767	833.95.723
Silver coloured	833.95.766	833.95.722

Recess mounting profile 1105



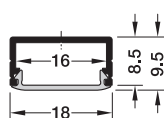
- > Length: 3000 mm
- > Diffuser width: 11 mm
- > Material: Aluminum; Finish: Anodised
- > Diffuser: Plastic; Finish: Opal white

Colour	End caps	3000 mm
Black	833.95.771	833.95.727
Silver coloured	833.95.770	833.95.726

Note

Anti-glare shield

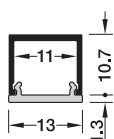
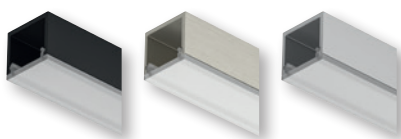
Recess mounting profile



- > Length: 2500 mm
- > Diffuser width: 18 mm
- > Diffuser height: 9.5 mm
- > Material: Aluminum; Finish: Silver coloured anodised

Colour	End caps	Cat. No.
Milky	833.72.852	833.72.840

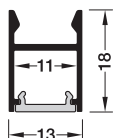
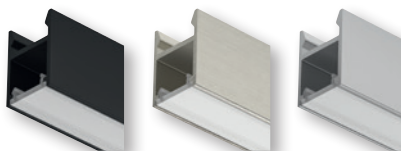
Surface mounting profile 2101



- > Length: 2500, 3000 mm
- > Diffuser width: 13 mm
- > Material: Aluminum
Diffuser: Plastic; Finish: Opal white

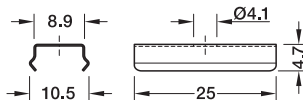
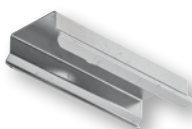
Colour	End caps	3000 mm
Black	833.95.775	833.95.733
Brushed stainless steel coloured	833.95.776	833.95.762
Silver coloured	833.95.774	833.95.732

Profile 2103, with concealed fixing



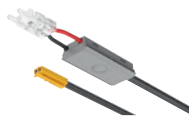
- > Length: 3000
- > Diffuser width: 11 mm
- > Finish: Profile: Anodised
- > Finish: Diffuser: White opal, transmittance 70-80%
- > Material: Aluminum
Diffuser: Plastic; Finish: Opal white

Colour	End caps	3000 mm
Black	833.95.781	833.95.737
Brushed stainless steel coloured	833.95.782	833.95.764
Silver coloured	833.95.780	833.95.736



Description	Cat. No.
Mounting bracket, stainless steel	833.95.761
Packing	
10 pcs	

Profile dimmer - soft on/off switching with dimming

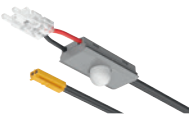


- > Area of application: For profiles with 16 mm internal width

Voltage V	Max. connected wattage W	Drill hole Ø mm	Cat. No.
5 12 V	60	Plug 8	833.95.751

Supplied with
1 switch with clip/plug and 2 m lead

Profile motion detector - automatic on/off switching



- > Area of application: For profiles with 16 mm internal width
- > Sensor range: 0-3000 mm
- > Delay time: 30 sec.

Voltage V	Max. connected wattage W	Drill hole Ø mm	Cat. No.
5 12 V	60	Plug 8	833.95.750

Supplied with
1 switch with clip/plug and 2 m lead

Dimmer touch - soft on/off switching with dimming



- > Area of application: For profiles with 11 mm internal width
- > Wattage: 60 W, Max. output: 60 W

Voltage V	Cat. No.
5 12 V	833.89.281

Supplied with
1 switch

Note
Please order lead separately. 833.95.830 (1 per switch)

Motion detector - automatic on/off switching



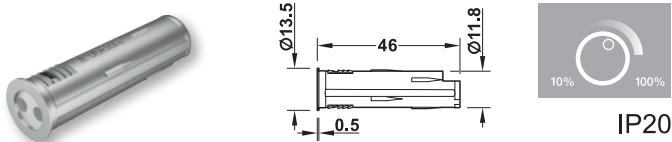
- > Area of application: For profiles with 11 mm internal width
- > Wattage: 60 W, Max. output: 60 W

Voltage V	Delay time	Cat. No.
5 12 V	60 s	833.89.282
	180 s	833.89.283
	300 s	833.89.284

Supplied with
1 switch

Note
Please order lead separately. 833.95.830 (1 per switch)

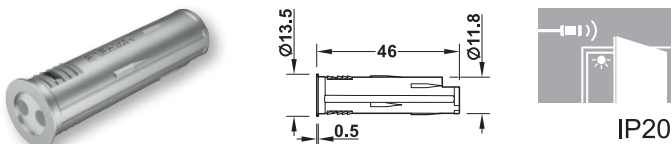
Touchless dimmer, includes 2 m lead



IP20

Material	White	Silver
Plastic	833.88.569	833.71.748

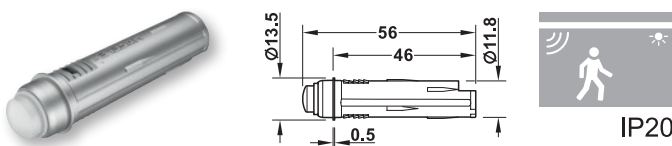
Door sensor switch, includes 2 m lead



IP20

Material	White	Silver
Plastic	833.88.563	833.71.750

Motion detector, includes 2 m lead



IP20

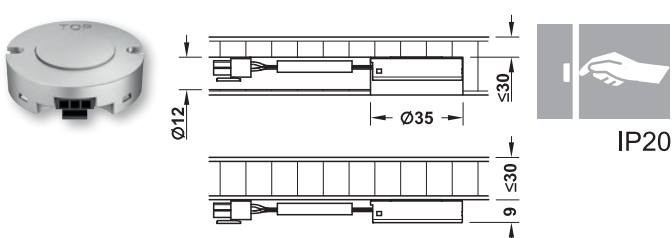
Material	White	Silver
Plastic	833.88.565	833.71.751

Housing for switch



Material	White	Silver
Plastic	833.89.165	833.89.092

Capacitive switch/dimmer, modular - touchless

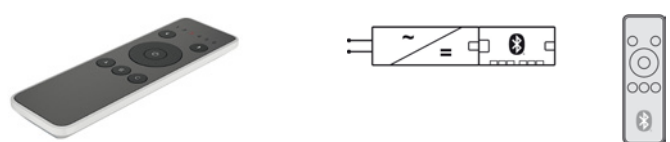


IP20

- > Material/colour: Plastic, silver coloured
- > Power consumption: ≤1 W

Description	Cat. No.
Capacitive switch on/off, dimmer	833.89.133
Switch lead, 2 m	833.89.142

Häfele connect mesh - remote control

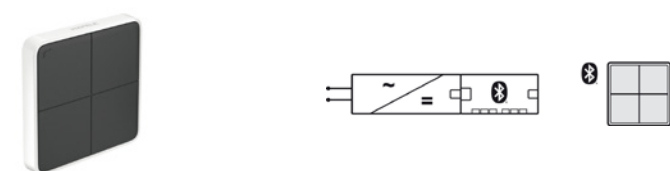


- > Area of application: For controlling components at the Häfele Connect Mesh 6-way distributor
- > Version: Multi-function control panel
- > Material: Plastic
- > Finish: Top shell: Black, Lower shell: White
- > Dimensions (mm): 130 x 42 x 11

Description	Cat. No.
Remote control, without batteries	850.00.040
CR2032 lithium button cell battery (2 required)	002.99.032

Supplied with
1 remote control

Häfele connect mesh - push button



- > Area of application: For controlling components on the 6-way distributor, Häfele Connect Mesh (all functions that are accessible by pressing or holding a button)
- > Installation: For screw fixing or glue fixing to any wall
- > Material: Plastic
- > Finish: Pushbutton: Black, frame: White
- > Dimensions (mm): 81 x 81 x 12

Description	Cat. No.
Wall mounted push button, without batteries	850.00.041
CR2430 lithium button cell battery (1 required)	002.99.034

Supplied with
1 push button, wall mounted



Note

- > Häfele Connect Mesh 6-way distributor with bluetooth must be ordered separately page 16

Multi dimensional mirror



Touch key functions:



1st Symbol:

Pressing switches on the mirror front lighting:
Warm white 2700 K / cool white 4000 K CRI 90.
A memory function ensures that the mirror saves the light colour. Press for 2 seconds to change the light colour.
Blue: Stand by / warm white: Active.



2nd Symbol:

Background lighting/mood lighting 2700 K.
Blue: Stand by / warm white: Active.



3rd Symbol:

Demister heats the mirror by 10-25°.
Blue: Stand by / red: Active.



4th Symbol:

Blue: For indication only.
No colour change takes place.



Cool white (4,000 K)



Front light with memory function in cool white...



Warm white (2,700 K)



and warm white...



Mood lighting (2,700 K)



Indirect lighting option offers mood lighting.



Demister



Demister with standby function after 45 minutes.

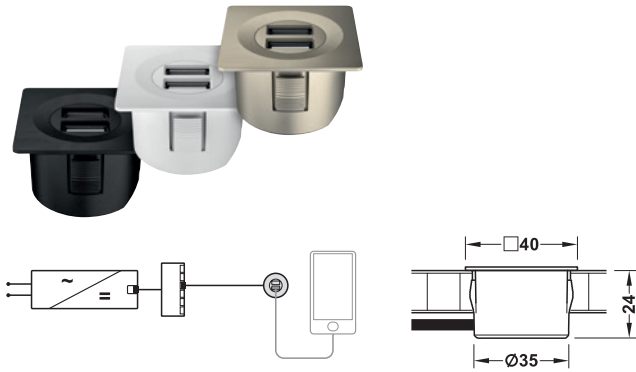
- > Colour changing from Cool White or Warm White
- > Make-up lighting, mood lighting, demister and bluetooth capable sound system all in one
- > Nominal voltage mirror: 12 V
- > Mains connection/mirror input voltage: 100-240 V, 50-60 Hz
- > Degree of protection: IP 44
- > Mains connection: Fixed wiring
- > Factory password: 0000
- > Installation: For screw fixing
- > Standby power consumption: 1.5 W

	Version (mm)	Warm White	Cool White	Cat. No.
(A)	900 x 600 x 54	1080 lm	1230 lm	983.19.011
(B)	900 x 900 x 54	1300 lm	1470 lm	983.19.021
(C)	900 x 1200 x 54	1560 lm	1764 lm	983.19.031

Note

This mirror contains integrated LED lights. A++ (LED), A+ (LED), A (LED). The lights in the mirror cannot be replaced.
Energy efficiency class of the LED lights: A

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



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

Colour	Round Cat. No.	Square Cat. No.
Black	833.73.751	833.73.754
Nickel plated	833.73.753	833.73.756
White	833.73.752	833.73.755

Supplied with
1 USB charging station

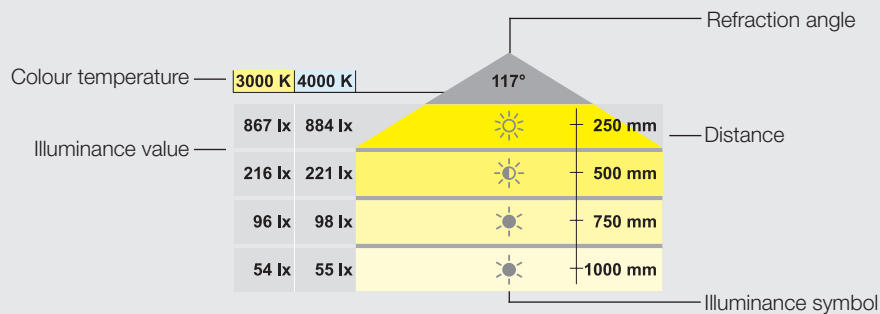
Lead with snap-in connector

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

Note

Please order lead separately.
Loox5 12 V driver see page 16.

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 at 500 mm	Colour temperature
Kitchen, dining area	300–500	2700–4000 K
Store fixtures, galleries	300–500	4000–6500 K
Bedroom, living room	200–300	2700–4000 K
Bathroom	200–500	3500–4000 K
Storage room	100	4000–5000 K
Orientation light, hallway, wardrobe	10–50	4000–5000 K

FAQ

Technical Terms

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 anti-static cloth. Scouring agents and aggressive cleaners can destroy the surface and attack the LEDs.																																				
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 an electronics technician installs the system, Loox can 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.																																				
What is the life time of the products in permanent operation?	Loox5 drivers >50,000 hrs. with max. 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. Loox5 LED strip lights >50,000 hrs. at an ambient temperature of max. 45 °C. Cooling with an aluminum profile is recommended from 9.6 W/m.																																				
Can the multi switch box, the multi driver box and the 3-way distributor with switching function be connected in series multiple times?	No, because the signals can no longer be transmitted properly.																																				
Can 12 V and 350 mA lights or 12 V and 24 V lights be used together?	Yes, please use our respective converter.																																				
How can sensor switch malfunctions be avoided (q 12 mm)?	Check for correct switch installation. The TOP lettering on the switch must point upwards in the installation situation.																																				
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.																																				
What is the maximum wattage that I can connect to a device output of the driver?	With 12 V systems it is 12 V x 5.0 A = 60 W with a 60 W driver. With 24 V systems it is 24 V x 3.75 A = 90 W with a 90 W driver.																																				
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).																																				
What is AWG?	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 my cable?	<div>Häfele allows the following current carrying capacity and wattage:</div> <table><tr><th>Type of cable</th><th colspan="2">24 AWG</th><th colspan="2">22 AWG</th><th colspan="2">20 AWG</th><th colspan="2">18 AWG</th></tr><tr><td>Current carrying capacity</td><td colspan="2">1.5 A</td><td colspan="2">2.5 A</td><td colspan="2">3.5 A</td><td colspan="2">5.0 A</td></tr><tr><td>Voltage</td><td>12 V</td><td>24 V</td><td>12 V</td><td>24 V</td><td>12 V</td><td>24 V</td><td>12 V</td><td>24 V</td></tr><tr><td>Wattage</td><td>18 W</td><td>36 W</td><td>30 W</td><td>60 W</td><td>42 W</td><td>84 W</td><td>60 W</td><td>110 W</td></tr></table> <div>The type of cable is imprinted on the coating of the cable.</div>	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	110 W
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	110 W																													
Can an LED flexible strip light be used behind acrylic glass?	Yes, however the acrylic glass increases the colour variations (binning) up to four times and minimal colour deviations are therefore more visible.																																				
Can Loox lights be operated using multiple switches?	Yes, please use the multi switch box to do this. Up to three switches can be connected to the multi switch box.																																				
Why do the lights have to be plugged in first before connecting the high voltage mains plug?	If the driver is connected to the mains first, electrical power is output at the secondary side, which leads to overvoltage and therefore damage to the lights if they are connected.																																				
Can Loox lights be used in RVs, boats and cars?	Yes, for sure. We have special IC strip lights that compensate for voltage fluctuations of the vehicles without problems. Our regular LED strip lights can be used as well. It is important to note, however, that the voltage peaks may reduce the life time.																																				
Can I use Loox in a sauna or bathroom?	We offer special lights that offer IP44 protection when installed. This is sufficient for many applications. Our LED silicone strip lights are IP44 protected as well. However, it must be ensured that the driver and mains lead are dry. Furthermore, a maximum ambient temperature of 45 degrees must be ensured.																																				
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.																																				



732.04.408 HÄFELE LOOX5 EASY ORDER GUIDE - 06.2022

Häfele New Zealand Ltd.

Auckland 16 Accent Drive, East Tamaki, Auckland

Wellington The Wool Store, Level 1 262 Thorndon Quay, Wellington

Christchurch 12 Sir James Wattie Drive, Hornby South, Sockburn, Christchurch

Phone: 0800 442 335 | **Email:** info@hafele.co.nz | www.hafele.co.nz