

# LICHT-IM-MOEBEL

Light Catalogue







LIGHT IN  
FURNITURE  
THAT INSPIRES



**magic**  
by





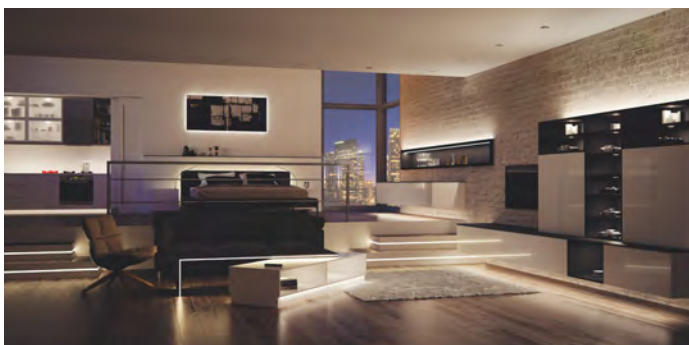




# LIGHT IN FURNITURE THAT INSPIRES

**magic**  
by HALEMEIER





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## Linear lights

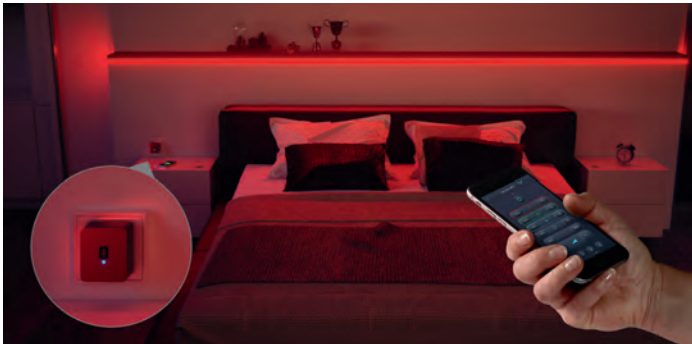
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## Special lights

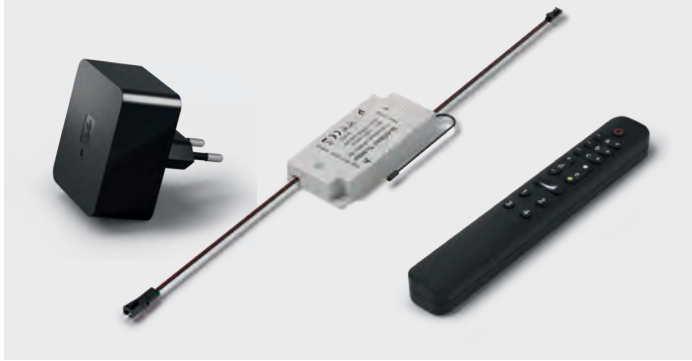
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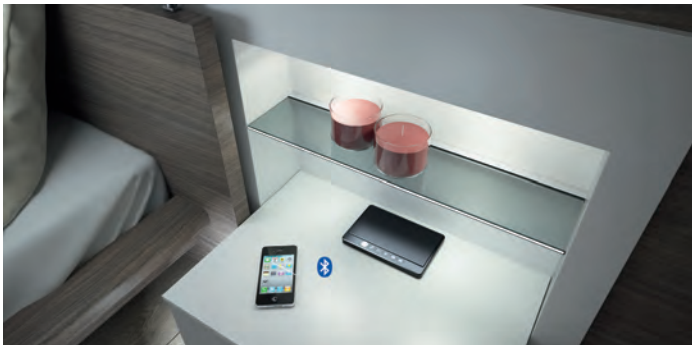
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A modern interior scene featuring a dark, illuminated cabinet with a small light fixture on top. Below the cabinet is a white shelf with two glasses. In the foreground, a dark, illuminated table holds two glasses. The background is a dark blue wall. Large red text 'COM PET EN CES' is overlaid on the image.

# COM PET EN CES

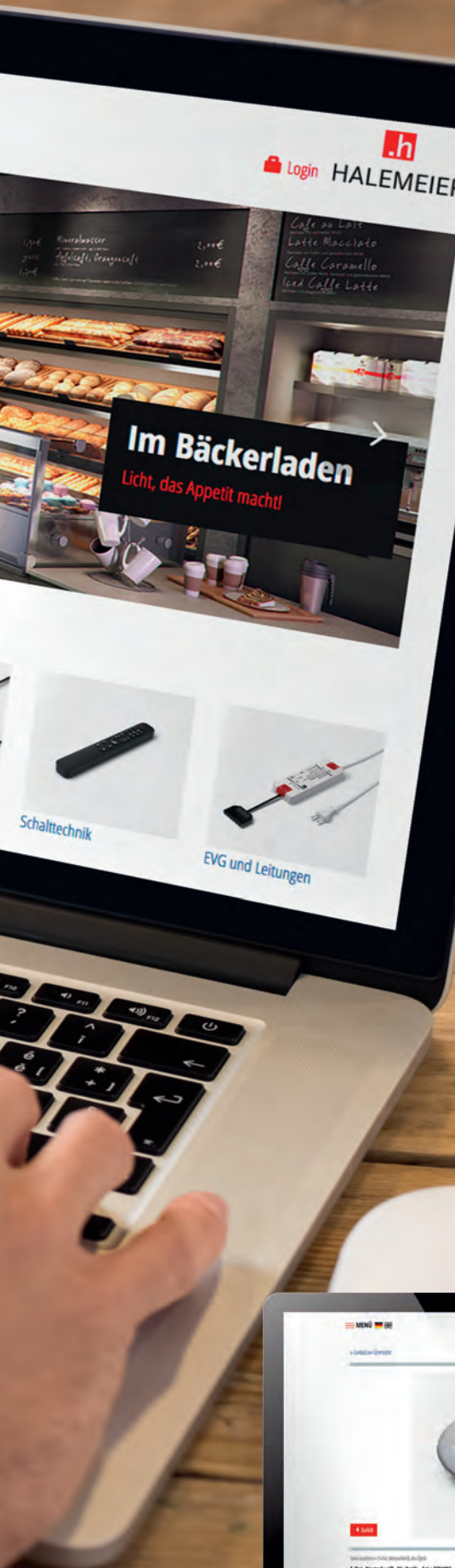
Explore the worlds of light,  
choose lamps and learn about  
the technology behind them –  
in our digital catalogue.

[halemeier.de](http://halemeier.de)









## THE DIGITAL CATALOGUE.

Click, choose, create.

www.HALEMEIER.de In our digital catalogue you find our entire product portfolio of functional, high-quality furniture lights. Its clearly structured chapters provide you with all the information you need for your own creations.

Discover our broad range of products for attractive lighting solutions. Our lights enable you to create your own beautiful designs – and our technical information ensures that you can implement them safely and efficiently.

Simply choose the furniture light that meets your requirements best. Then send your product query to your dealer or directly to us. Together we will make sure that your lighting creation can be implemented quickly and safely, so that your customers will soon enjoy light in a new way, turning their rooms into vibrant living spaces.







# INSPIRATION

Browse through our ShowRoom and experience the beauty of furniture lighting. Light invigorates and inspires your customers to look at their furniture differently.

[licht-im-moebel.de](http://licht-im-moebel.de)





Kaffeegenuss  
t Kaffee  
Crema, Espresso  
0,95€  
2,50€

Heiß und Kalt  
Premium Trinkschokolade  
Kids-Cappuccino  
Tee Ihrer Wahl  
1,90€  
gratis  
1,70€  
Mineralwasser  
Apfelsaft, Orangensaft  
2,00€  
2,00€  
Caffè Crema und alle auf Espresso basierende Coffees 100% fairtrade zertifiziert

Café  
Espresso mit viel h.  
Latte Ma  
Espresso mit heißer und gesü.  
Caffè Ca  
Espresso mit heißer Milch, Ka  
Iced Caff  
Espresso und eiskühlte Mi

Worlds of light







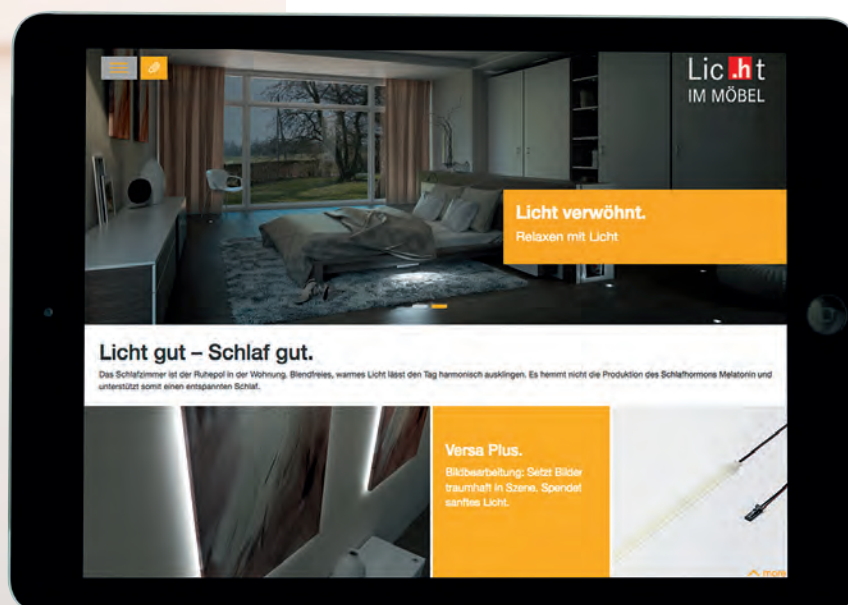
## The showroom for furniture light. Experience light in real interiors.

See how accentuated light in furniture enhances a room – at [www.licht-im-moebel.de](http://www.licht-im-moebel.de). This website has been created especially for end customers. It provides them with exceptional interior design examples that give them an idea how our lighting solutions can enhance their own home.

However, this website is also of great use to furniture manufacturers. Register on [www.licht-im-moebel.de](http://www.licht-im-moebel.de) so that interested customers can

find your company as a HALEMEIER partner through a search by postal code. Our ShowRoom thus becomes a marketing tool for your own business, generating additional orders.

Please also make your existing customers aware of the ShowRoom, as it is a great source of inspiration for new furniture designs. A picture paints a thousand words.





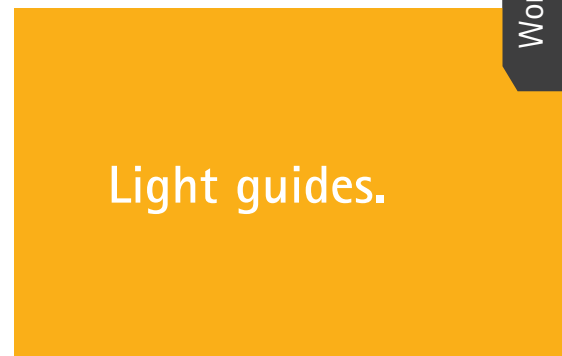
Light is versatile.



Light sets the stage.











# INNOVATIVE ON

Explore our catalogue. Take a virtual tour through our worlds of light. Carry your idea from its first conception to the point of sale.

3D worlds of light









## 2025: the future of lighting

By trend researcher Sven Gábor Jánszky

We are all aware that, over the next few years, the internet will enter every aspect of our daily life, as devices and appliances become part of the network. By analysing data, intelligent assistance systems know how users operate and how their needs change.

My mobile for instance already knows better than I do whether I am tired or stressed. And what happens when I come home? How does my smartphone communicate with my furniture so that I feel at home the moment I enter the door?

Imagine walking into your living room and the lights in your furniture are already a step ahead of you – so that the lighting in your room is automatically adjusted to your preferences the moment you sit down on your sofa. In this scenario, your furniture and the integrated lighting equipment have become

part of the digital network of your life, constantly predicting your next move and automatically adapting your environment to best suit your needs. We trend researchers call it predictive light!

Predictive light will however only become a mass market product when people see the benefits it offers them personally. For instance, if their digital wellbeing assistant app tells them that their current productivity is only 43 % – and that a sky blue desk would increase this to 75 % over the next 30 minutes.

Strategically savvy lighting solution providers therefore need to focus primarily on developing useful lighting assistance apps!





1

Scan the QR code on the catalogue page to call up our website.



Or visit  
[www.halemeier.de](http://www.halemeier.de).

2

Experience the  
HALEMEIER 3D showrooms!



## The fascination of light. For magical moments in shops and homes.

Are you looking for a real eye-catcher for your point of sale? Do you want to delight your customers with an exceptional lighting experience? Then let them see the HALEMEIER worlds of light in 3D!

Why not try it out for yourself? You will see that it is great fun! The smartphone and headset sensors automatically respond to your head movements as you explore our well-designed virtual rooms.

It's easy: Place the smartphone in the VR holder of a conventional VR headset, scan the QR codes in our catalogue and put on the headset. The viewer then enters the fascinating virtual space of our showrooms to explore the world of furniture lighting in a completely new way!

If you have no VR headset, just scan the QR code to let your customers see the respective showrooms on a smartphone or tablet. Swipe from interior to interior and see their faces brighten up.







Experience our  
catalogue live.

With the VR worlds of light  
by HALEMEIER.









**magic**  
by HALEMEIER

Sign ww

## Light in the spotlight.

Sales tools – point of sale

Sales tools for your point of sale. Fuel the imagination of your customers at the point of sale: with the versatile HALEMEIER TowerCube and the smaller BaseCube, you can let them see for themselves how the various lighting solutions actually work. The two sales tools come with a range of lamp models installed on compact light boards. The lamp lights up as soon as a board is pushed into the installed slideway. Your customers can thus see your lighting solutions in action and make their decision on the spot.

### TowerCube

The magic TowerCube caters for 17 light boards and four exchangeable timber décors. It thus enables you to demonstrate the effect of various furniture lights in a most realistic setting. Insert the light board at the top or bottom of the cube to show the upward or downward lighting effect. The TowerCube is extremely easy to use, so that your customers will also be able to independently explore the different lighting options.

### BaseCube

The BaseCube is designed for demonstrations at the customer's home. Its compact lightweight design enables you to present various lamps in action on site. All you need is a 230 V power socket. We can also provide BaseCubes for 110 V power supply on special request.



BaseCube

TowerCube



**mal corboy**







## Mal Corboy

A designer who loves light.

For the last few years, HALEMEIER furniture and room lights have been conquering Australia and New Zealand – not least due to the outstanding work of the renowned designer Mal Corboy. His interior designs include mesmerising furniture lighting solutions, for instance for stylish kitchens, bathrooms and bed rooms where he creates new ambiances, moods and eye-catching effects.

In all his designs Mal Corboy combines space, shape, function, colour and light according to the wishes of his clients, creating outstanding interiors that reflect his skills and

experience as well as his technical knowledge. In his native country of New Zealand, he has won more awards for exceptional interior and furniture design than any of his competitors.

Mal Corboy's designs always push the boundaries of technology. That is why he only works with materials and components from manufacturers on whose quality and service he can rely. And HALEMEIER is of course one of them.







SuperStripe Plus  
Page 36  
LED

24 V  
MP



Liteline Basic  
Page 40  
LED

HV



Finelite  
Page 42  
LED



12 V



Versa SideView 60  
Page 52  
LED



12 V



Versa Up + Down 60  
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12 V



Versa Inside 90  
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LED



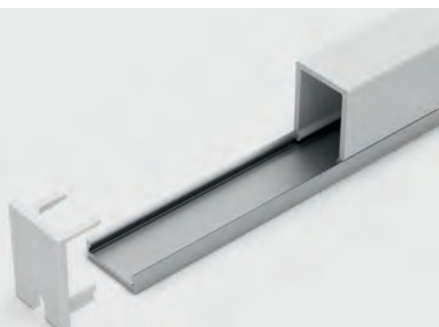
12 V



Versa Inside MultiColor  
Page 64  
LED



24 V  
MP



ChannelLine A  
Page 68  
LED



ChannelLine K  
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ChannelLine I  
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ChannelLine G1 + G2  
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LED



ChannelLine H  
Page 76  
LED





**Versa Inside 30**  
Page 46  
LED



**12V**



**Versa Inside 60**  
Page 48  
LED



**12V**



**Versa Plus 60**  
Page 50  
LED



**12V**



**Versa Inside 120**  
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**12V**

**24V MP**



**Versa Inside 120 HP**  
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LED



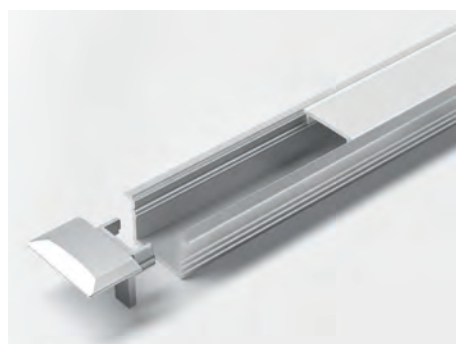
**24V MP**



**Versa SuperPlus 60**  
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LED



**24V MP**



**Channelline B**  
Page 70  
LED



**Channelline C**  
Page 71  
LED



**Channelline D**  
Page 72  
LED



**Channelline J**  
Page 77  
LED



**Channelline F**  
Page 78  
LED



**Channelline sensor**  
Page 79  
LED

**12V**

**24V MP**



Light can be cut to length.



Light can be made to measure.





HV DownLite  
Page 82  
LED

HV



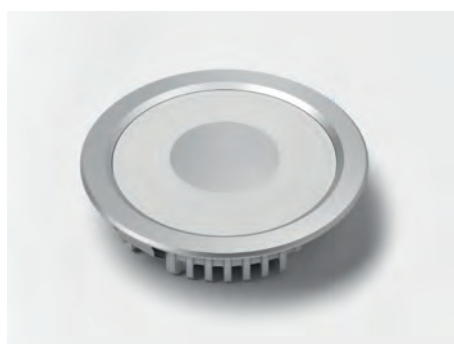
SuperSpot  
Page 84  
LED

12 V



SuperSpot eco  
Page 86  
LED

12 V



MiniFlat Plus  
Page 94  
LED

12 V



PowerLite Plus  
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LED

12 V



MultiLite Flood  
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LED

12 V



Eco Power Flood  
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LED

12 V



Eco Spot  
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LED

12 V



Point  
Page 110  
LED

12 V



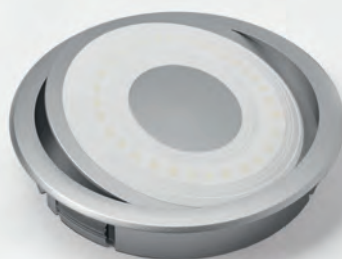
SuperDot  
Page 118  
LED

12 V



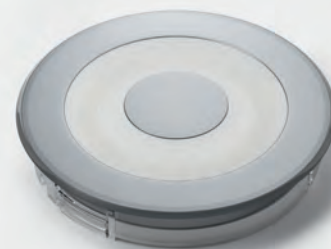
SuperSwing  
Page 88  
LED

12V



Swing  
Page 90  
LED

12V



S-Flat  
Page 92  
LED

12V



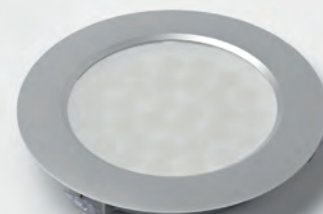
Sign Plus  
Page 100  
LED

12V



Sign Plus square  
Page 102  
LED

12V



Eco Power L  
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LED

12V



PowerSquare  
Page 112  
LED

12V



PowerSquare long  
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LED

12V



StarPoint  
Page 116  
LED

12V



Light can be cut to length.



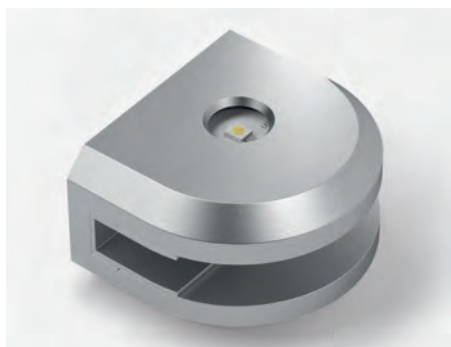
Light can be made to measure.





SlimLine  
Page 122  
LED

12 V



Ice  
Page 124  
LED

12 V



LuckyLite Pro  
Page 126  
LED



InnoLine Plus  
Page 134  
LED



12 V



LuckyLine  
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LED

12 V



Panellite Square  
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LED

12 V



AlphaLite  
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LED



GlasLine  
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LED

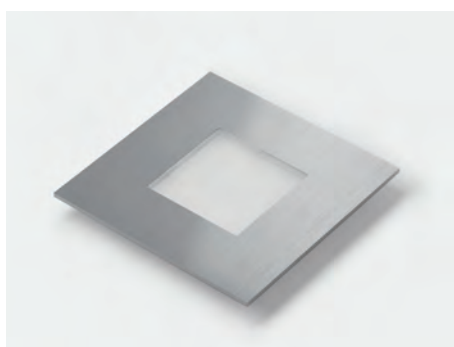
12V



LitePipe  
Page 132  
LED



12V



QuadroPoint Square  
Page 140  
LED

12V



SwanLite  
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LED

12V



Light can be cut to length.



Light can be made to measure.





MultiSwitch Infrared sensor

Page 146  
LED

HV 12V 24V MP



MultiSwitch motion sensor

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LED

HV 12V 24V MP



MultiSwitch push button

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LED

HV 12V 24V MP



Tri-Mitter wireless switch

Page 158  
LED

12V 24V MP



S-Mitter MultiWhite wireless switch

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LED

12V



S-Mitter Basic MultiWhite wireless switch

Page 164  
LED

12V



MagicSwitch

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High voltage

HV



LED Touch

Page 174  
LED

12V



LED dimmer

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LED

12V



USB socket

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12V



Infrared Repeater Plus

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12V



12 V electronic ballasts

Pages 186, 188  
LED

12V



MultiSwitch sensor  
Page 152  
LED

HV 12V 24V MP



X-Mitter wireless switch  
Page 154  
High voltage

HV



S-Mitter wireless switch  
Page 156  
LED

12V 24V MP



Tri-Mitter MultiWhite wireless switch  
Page 166  
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12V



Basic Control MultiWhite  
Page 168  
LED

12V



AppMitter  
Page 170  
High voltage

HV



LED dimmer angle element  
Page 178  
LED

12V



LED dimmer module  
Page 179  
LED

24V MP



Rocker switch  
Page 180  
LED / high voltage

12V HV



24 V electronic ballasts  
Page 190  
LED

24V MP



12+24 V leads  
Pages 192, 193  
LED

12V 24V MP



Cable ducts and adapters  
Page 194



Light can be cut to length.



Light can be made to measure.



## Versa

stands for versatility. These LED strips are particularly versatile, can be cut to size and are available in various light colours. And our decorative Channelline profiles match them perfectly.



## Channelline

These decorative profiles are available with transparent covers that bring the lighting power of our Versa LED strips to the fore. Equipped with translucent, opal covers, they look particularly attractive.

## Linear lights

Customised light colour and length.

Customised light colour and length:  
The LED lighting strips and built-in lights can be used to provide homogeneous light across the room or for professional backlit effects.







## SuperStripe Plus

### Advantages

- ▶ Extra bright
- ▶ Uniform illumination without dark zones
- ▶ Pluggable LED strip

### Features

- ▶ Long bands of light, approx. 3.6 m per power feed point
- ▶ Available with lateral feeders and additional ballasts for endless strip installation
- ▶ Special light colour for bread and bakery products

### Examples of use

- ▶ Shop racks
- ▶ Sales displays
- ▶ Kitchen midway sections

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Attachment kit is included as standard
- ▶ Sales unit: 1

### Technical details in brief



**24 V  
MP**

Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	Aluminium
Operating voltage:	24 V DC
Light colour:	Extra warm white / warm white / neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A++
Life span:	100 - 110 lm/W
Power consumption:	30,000 h (L70)
	200 mm - 4.8 W
	300 mm - 6.2 W
Max. length:	3.6 m
Dimmable:	Yes
Number of LEDs:	47 / 70
Beam angle:	70°
Test marks and symbols:	CE ⬡ ▽ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED MultiPlug MP2
Connection to:	LED ballast

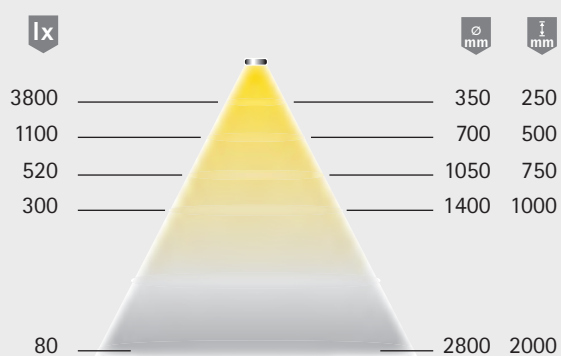
### SuperStripe Plus

Article	Order no. Extra warm white	Order no. Warm white	Order no. Neutral white
200 mm	55 650 41	55 650 11	55 650 01
300 mm	55 650 42	55 650 12	55 650 02
300 mm with lateral feeder	55 650 43	55 650 13	55 650 03

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED SuperStripe connection lead 1800 mm	36 307 01
LED SuperStripe connection lead 300 mm	36 308 01
LED SuperStripe connection lead 1000 mm	36 308 02
LED SuperStripe fixing clips (2 units)	36 309 01
LED ballast 75 W with flat Euro plug	31 017 01
MP2 extension lead 1800 mm	36 177 01
Magnetic tape 12 mm x 1000 mm	36 229 01
MP2 6-way distributor	36 996 01

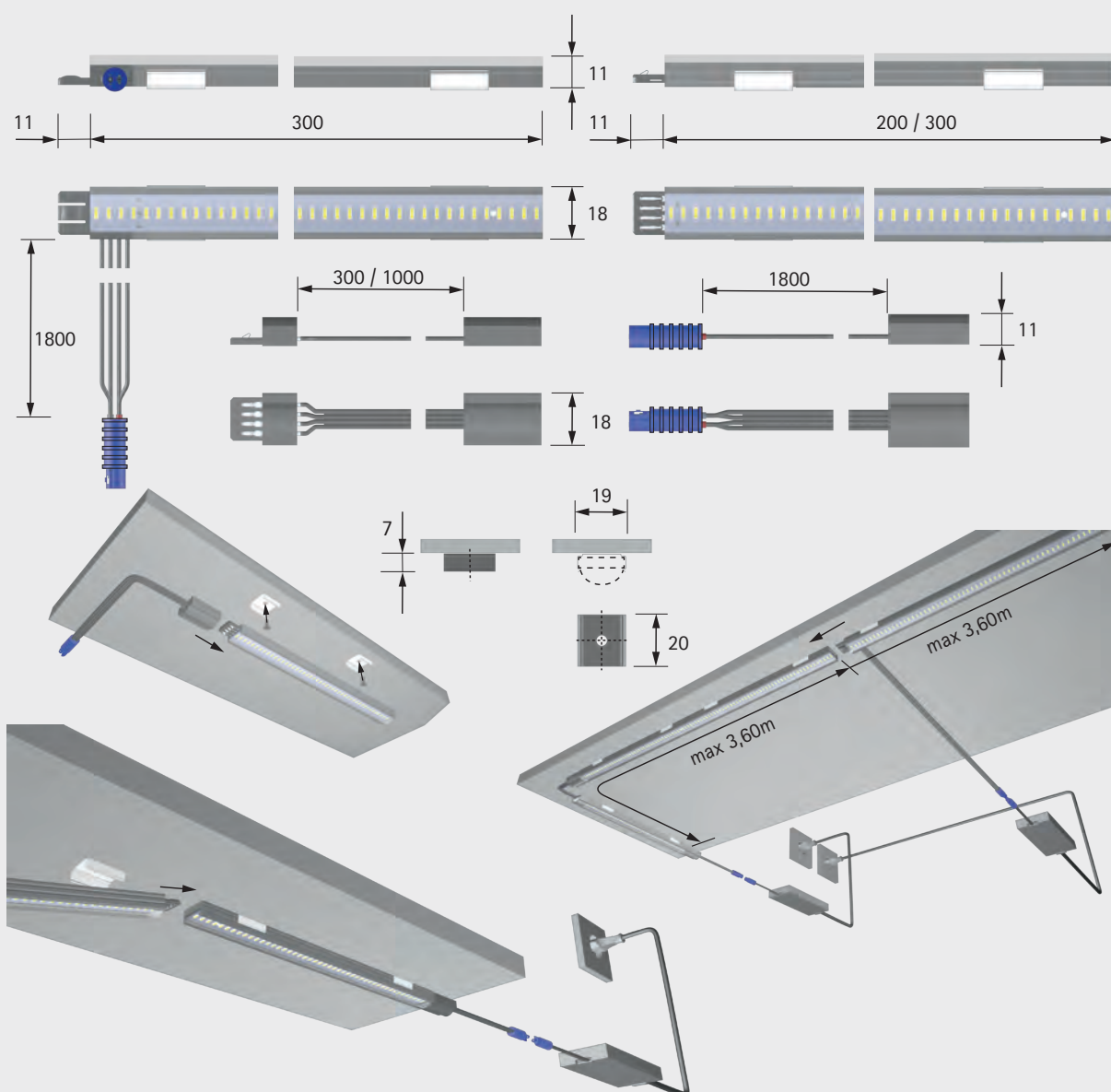
Light distribution diagram / 70° (length 300 mm)



Light box



Dimensional drawing / installation







## SuperStripe

### Advantages

- ▶ Very bright
- ▶ Uniform illumination without dark zones
- ▶ Pluggable LED strip

### Features

- ▶ Long bands of light, approx. 6 m per power feed point
- ▶ Available with lateral feeders and additional ballasts for endless strip installation

### Examples of use

- ▶ Shop racks
- ▶ Sales displays

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Attachment kit is included as standard
- ▶ Sales unit: 1

SuperStripe		
Article	Order no. Warm white	Order no. Neutral white
200 mm	55 651 11	55 651 01
300 mm	55 651 12	55 651 02
300 mm with lateral feeder	55 651 13	55 651 03

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED SuperStripe connection lead 1800 mm	36 307 01
LED SuperStripe connection lead 300 mm	36 308 01
LED SuperStripe connection lead 1000 mm	36 308 02
LED SuperStripe fixing clips (2 units)	36 309 01
LED ballast 75 W with flat Euro plug	31 017 01
MP2 extension lead 1800 mm	36 177 01
Magnetic tape 12 mm x 1000 mm	36 229 01
MP2 6-way distributor	36 996 01

### Technical details in brief



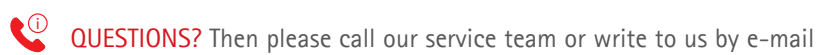
**24 V  
MP**

Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	Aluminium
Operating voltage:	24 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A++ 95 - 105 lm/W
Life span:	30,000 h (L70)
Power consumption:	200 mm - 2.9 W 300 mm - 3.6 W
Max. length:	6 m
Dimmable:	Yes
Number of LEDs:	47 / 70
Beam angle:	70°
Test marks and symbols:	CE ◇ ▼ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED MultiPlug MP2
Connection to:	LED ballast

Light box



# Linear lights







## LiteLine Basic

### Advantages

- ▶ Low-cost LED linear lamp
- ▶ Robust aluminium housing
- ▶ Special plug system for easy installation and linking

### Features

- ▶ Direct connection to 230 V
- ▶ Suitable for extra long light bands, up to ca. 25 m (max. 300 W)

### Examples of use

- ▶ Cove lighting
- ▶ Professional backlighting

### Ordering information

- ▶ Sales unit: 1
- ▶ Attachment kit is included as standard

## Technical details in brief



**HV**

Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	White
Operating voltage:	230 V AC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
Life span:	75 lm/ W
Power consumption:	30,000 h (L70)
Dimmable:	3.6-18W
Beam angle:	No
Test marks and symbols:	80°
Protection rating:	CE, diamond, triangle, square, circle
Plug connection:	IP 40
	Type-specific high-voltage plug connection

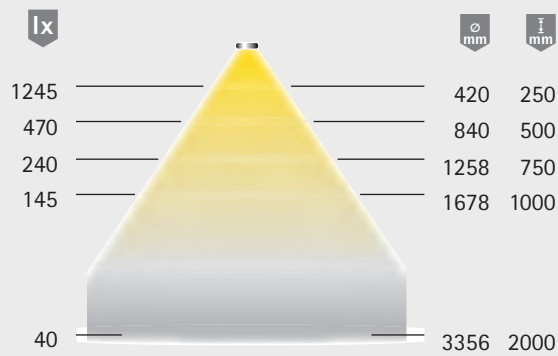
### LiteLine Basic

Article	Power consumption	Order no. Warm white	Order no. Neutral white
332 mm	3.6 W	55 600 11	55 600 01
632 mm	7.2 W	55 601 11	55 601 01
932 mm	10.8 W	55 602 11	55 602 01
1232 mm	14.4 W	55 603 11	55 603 01
1532 mm	18 W	55 604 11	55 604 01

### Accessories

Article	Order no.
Connection lead 2000 mm with wire end ferrules	36 304 02
Rigid connector	36 305 01
Connection lead 500 mm	36 306 01

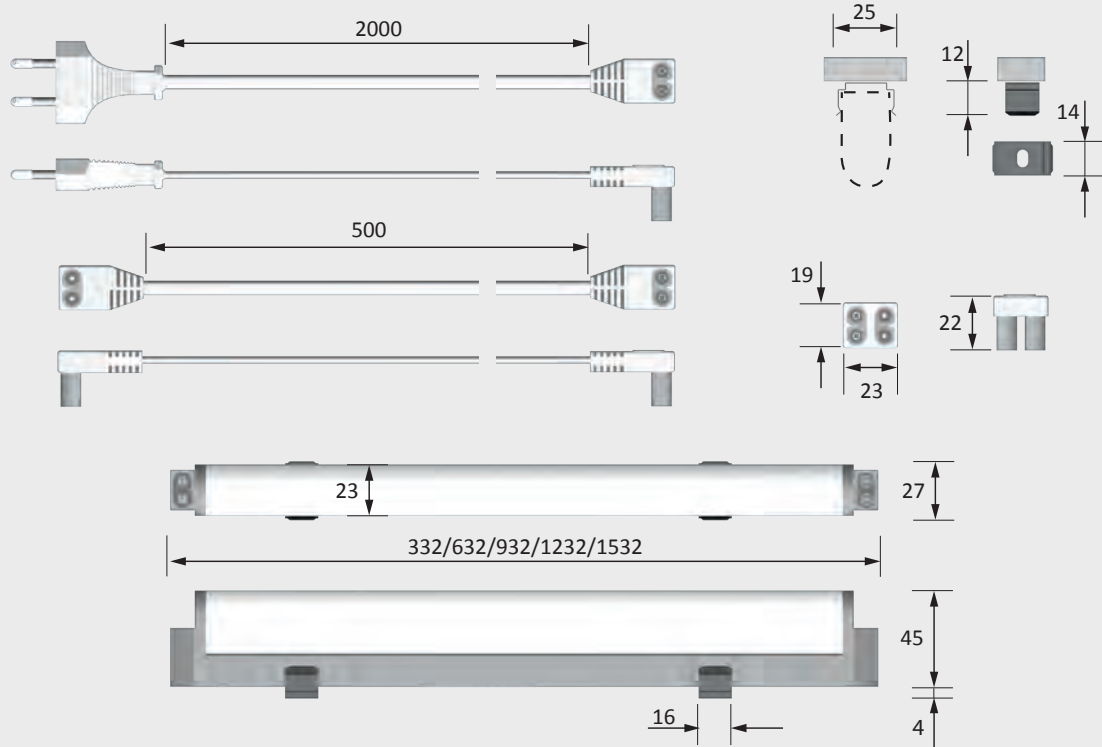
Light distribution diagram / 80° (length 300 mm)



Light box



Dimensional drawing / installation







## FineLite

### Advantages

- ▶ Filigree LED recessed light
- ▶ Uniform illumination without dark zones
- ▶ Customisable to desired length

### Features

- ▶ Glare-free thanks to translucent opal cover
- ▶ No visible LED dots

### Examples of use

- ▶ Shelves
- ▶ Compartments
- ▶ Lighting halos

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For custom lengths, please indicate precise length alongside order number.
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
Life span:	40 lm/ W
Power consumption:	30,000 h (L70)
Dimmable:	see ordering chart
Beam angle:	Yes
Test marks and symbols:	60°
Protection rating:	CE ⚡ ⚡ ⚡
Supply lead:	IP 20
Plug connection:	1800 mm
Connection to:	LED mini M1 plug connector LED ballast

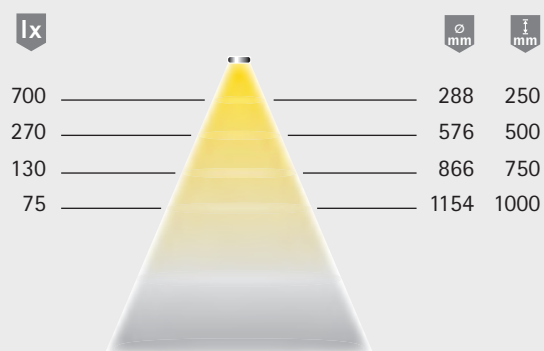
### FineLite

Article	Power consumption	Order no.
400 mm	3.4 W	32 983 51
550 mm	5.4 W	32 983 52
850 mm	8.4 W	32 983 53
200-300 mm - (customisable to size)	Max. 2.4 W	32 983 01
301-400 mm - (customisable to size)	Max. 3.4 W	32 983 02
401-500 mm - (customisable to size)	Max. 4.4 W	32 983 03
501-600 mm - (customisable to size)	Max. 5.4 W	32 983 04
601-700 mm - (customisable to size)	Max. 6.4 W	32 983 05
701-800 mm - (customisable to size)	Max. 7.4 W	32 983 06
801-900 mm - (customisable to size)	Max. 8.4 W	32 983 07
901-1000 mm - (customisable to size)	Max. 9.4 W	32 983 08
1001-1100 mm - (customisable to size)	Max. 10.4 W	32 983 09
1101-1200 mm - (customisable to size)	Max. 11.4 W	32 983 10

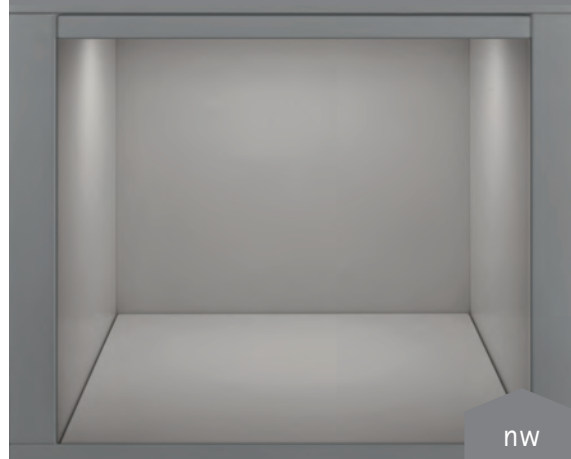
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01

Light distribution diagram / 60° (length 600 mm)

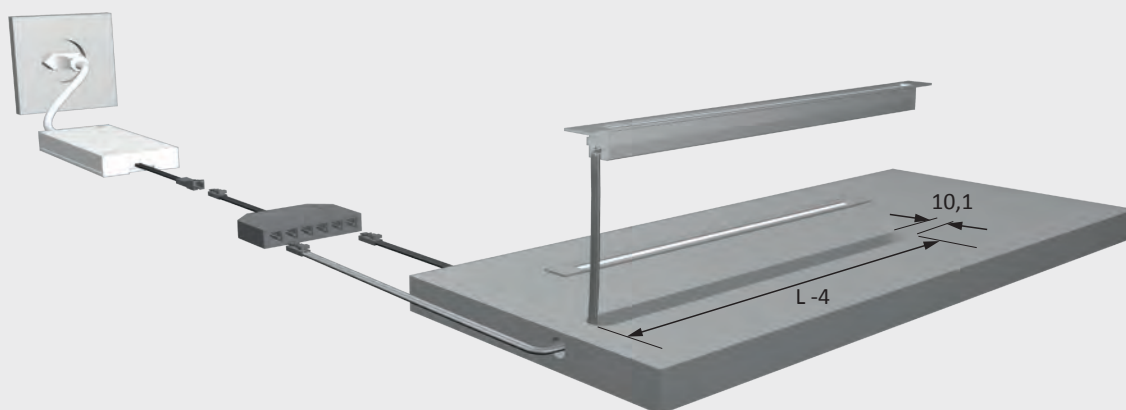
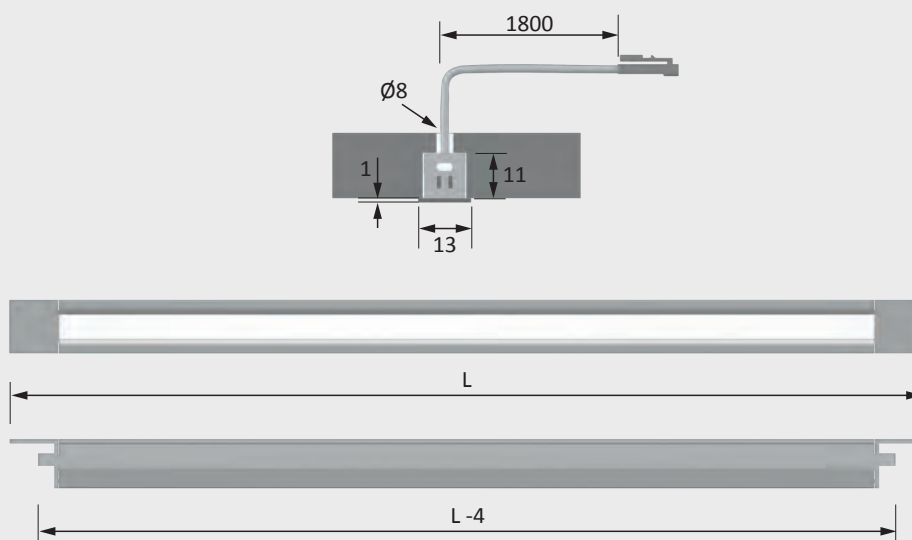


Light box
















Dimensional drawing / installation

Light can be made to size





## Overview of Versa stripes

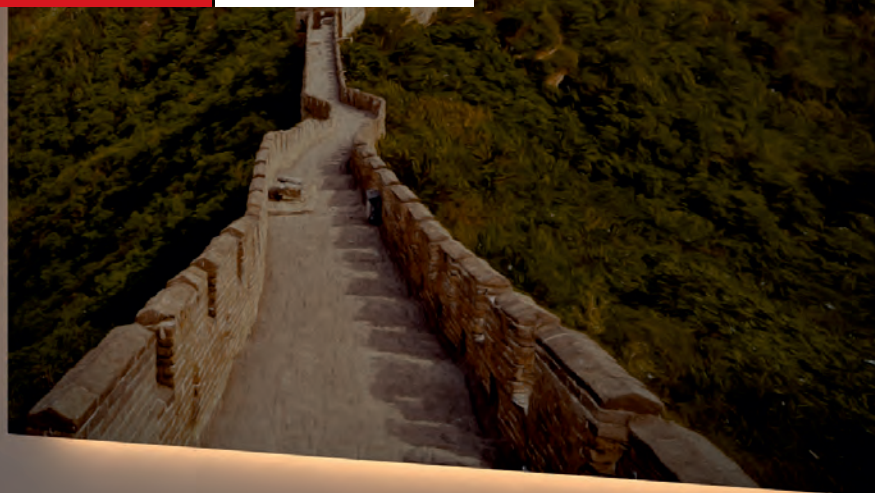
Model	Versa Inside 30	Versa Inside 60	Versa 60 Plus	Versa SideView 60	Versa Up&Down 60
	 <div>12 V</div>	 <div>12 V</div>	 <div>12 V</div>	 <div>12 V</div>	 <div>12 V</div>
Brightness					
Brightness at 50 cm	170 lux	260 lux	220 lux	310 lux	2 x 310 lux
Power per m	2.4 W per m	4.8 W per m	4.8 W per m	4.8 W per m	9.6 W per m
Luminous flux per m	220 lumen per m	430 lumen per m	400 lumen per m	470 lumen per m	900 lumen per m
Light colour					
Band length	1200 mm 5000 mm			5000 mm	3000 mm
Max. length at a stretch	7000 mm	7000 mm	5000 mm	7000 mm	3000 mm
LEDs per m	30	60			2 x 60
Can be cut every	100 mm	50 mm			
Feeder	36 330 02 (12 V, max. 36 W)				
Direct connector	36 334 01 (12 V, max. 36 W)				
90° connector	36 335 01 (max. 36 W) 2 direct connectors 36 334 01 required per 90° connector				
Flexible connector	36 336 01 (max. 36 W)				
Width	7.5 mm				
IP rating	IP 20		IP 44*	IP 20	
Page	Page 46	Page 48	Page 50	Page 52	Page 54

\* only in moulded section of light

## Overview of Versa stripes

Model	Versa Inside 90	Versa Inside 120	Versa Inside 120 HP	Versa SuperPlus	Versa MultiColor
	 <b>12 V</b>	 <b>12 V</b> <b>24 V MP</b>	 <b>24 V MP</b>	 <b>24 V MP</b>	 <b>24 V MP</b>
Brightness					
Brightness at 50 cm	375 lux	510 lux	825 lux	155 lux	-
Power per m	7.2 W per m	9.6 W per m	14.4 W per m	7.5 W per m	14.4 W per m
Luminous flux per m	650 lumen per m	840 lumen per m	1200 lumen per m	400 lumen per m	-
Light colour					
Band length	1200 mm 5000 mm	1200 mm , 3000 mm 5000 mm	1200 mm 5000 mm	2500 mm 5000 mm	5000 mm
Max. length at a stretch	5000 mm	3000 mm (12 V) 5000 mm (24 V)	3000 mm	5000 mm	5000 mm
LEDs per m	90	120	120	158	60
Can be cut every	33 mm	25 mm (12 V) 50 mm (24 V)	50 mm	38 mm	100 mm
Feeder	36 330 02 (12 V, max. 36 W)		36 330 01 (24 V, max. 72 W)		36 313 04
Direct connector	36 334 01 (12 V, max. 36 W; 24 V, max. 72 W)			-	-
90° connector	36 335 01 (12 V, max. 36 W; 24 V, max. 72 W) 2 direct connectors 36 334 01 required per 90° connector			-	36 311 04
Flexible connector	36 336 01 (12 V, max. 36 W; 24 V, max. 72 W)			-	36 312 04
Width	7.5 mm			8.3 mm	10 mm
IP rating	IP 20			IP 65*	IP 20
Page	Page 56	Page 58	Page 60	Page 62	Page 64





## Versa Inside 30

### Advantages

- ▶ Low-cost flexible lighting strip
- ▶ Flexible, self-adhesive
- ▶ Double-side supply lead for length 5000 mm (one cut, two lights), see drawing

### Features

- ▶ Low installation height
- ▶ Can be individually cut to length

### Examples of use

- ▶ Universal application
- ▶ Can be combined with Channelline profiles

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white

Colour rendering index CRI:	> 90
Energy efficiency:	A++
	90 lm / W
Life span:	30,000 h (L70)
Power consumption:	2.4 W / m

Max. length at a stretch:	7 m
Dimmable:	Yes
Number of LEDs:	30 / m
Beam angle:	70°

Test marks and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connector
Connection to:	LED ballast

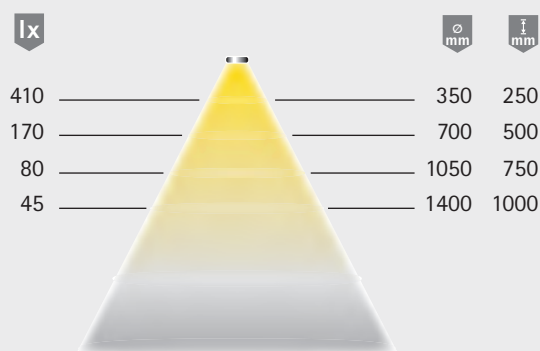
### Versa Inside 30

Article	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm (max. 2.9 W)	55 800 42	55 800 12	55 800 02	55 800 22
5000 mm (max. 12 W)	55 800 43	55 800 13	55 800 03	55 800 23

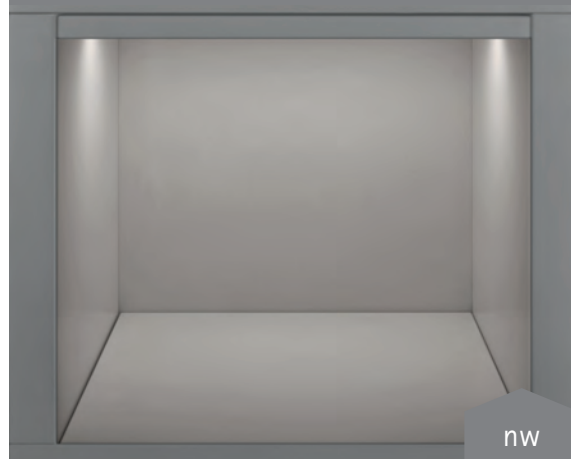
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (max. 36 W)	36 334 01
Direct connector (max. 36 W) - set (10 units)	36 327 01
90° connector (max. 36 W)	36 335 01
90° connector (max. 36 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 36 W)	36 336 01
Flexible connector 100 mm (max. 36 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 36 W)	36 330 02
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

Light distribution diagram / 70° (length 600 mm)

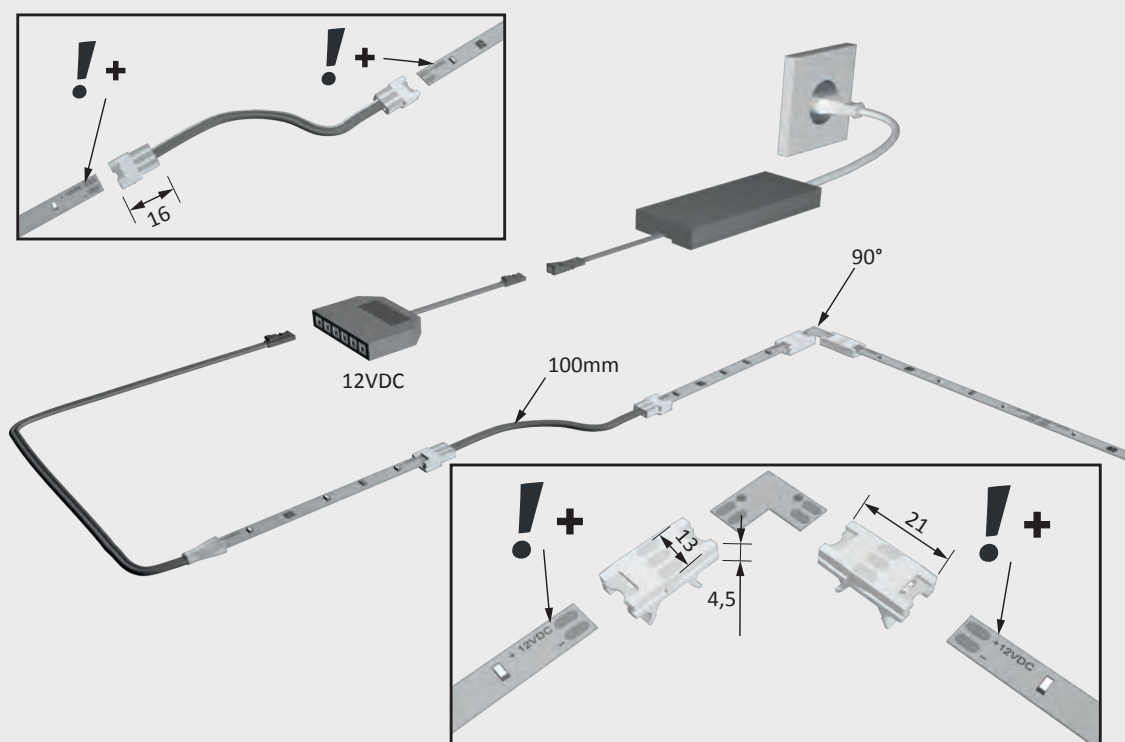
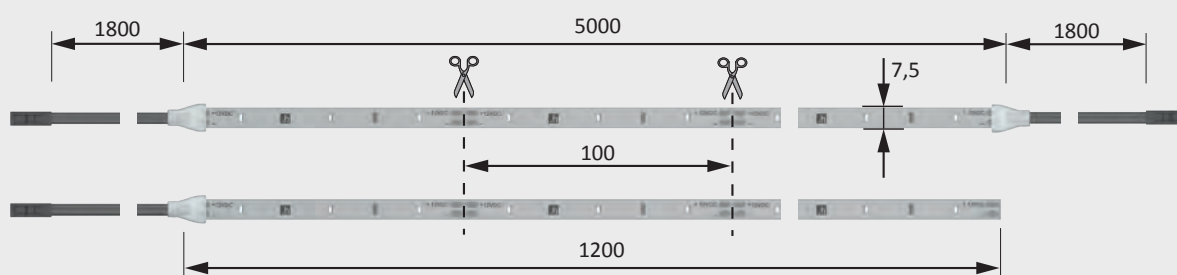


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Inside 60

### Advantages

- Flexible, self-adhesive
- Double-side supply lead for length 5000 mm (one cut, two lights), see drawing

### Features

- Low installation height
- Can be individually cut to length
- Successor product of Versa Inside 5

### Examples of use

- Universal application
- Can be combined with Channelline profiles

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- For possible combinations, see Versa overview
- Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white / MultiWhite
Colour rendering index CRI:	> 90
Energy efficiency:	A+ 90 lm / W
Life span:	30,000 h (L70)
Power consumption:	4.8 W / m
Max. length at a stretch:	7 m
Dimmable:	Yes
Number of LEDs:	60 / m
Beam angle:	70°
Test marks and symbols:	CE ⬢ ▽ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connector
Connection to:	LED ballast

### Versa Inside 60

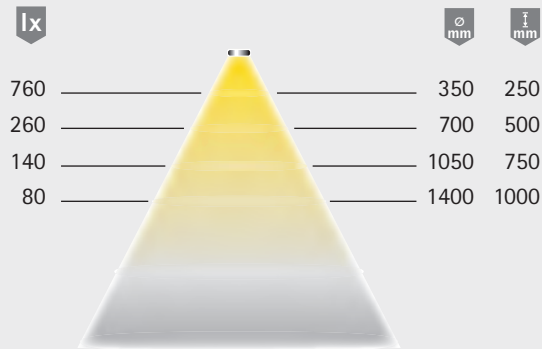
Article	Order no. MultiWhite*	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm (max. 5.8 W)	-	55 801 42	55 801 12	55 801 02	55 801 22
5000 mm (max. 24 W)	55 802 33	55 801 43	55 801 13	55 801 03	55 801 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

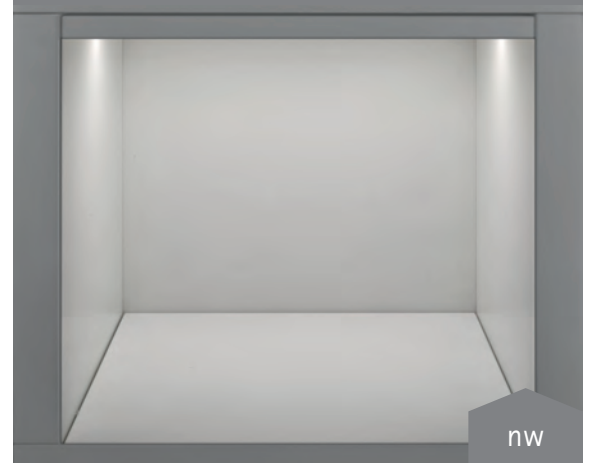
Article	Order no.
Direct connector (max. 36 W)	36 334 01
Direct connector (max. 36 W) - set (10 units)	36 327 01
90° connector (max. 36 W)	36 335 01
90° connector (max. 36 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 36 W)	36 336 01
Flexible connector 100 mm (max. 36 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 36 W)	36 330 02
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

\* for MultiWhite accessories, see chapter "Switch systems"

Light distribution diagram / 70° (length 600 mm)

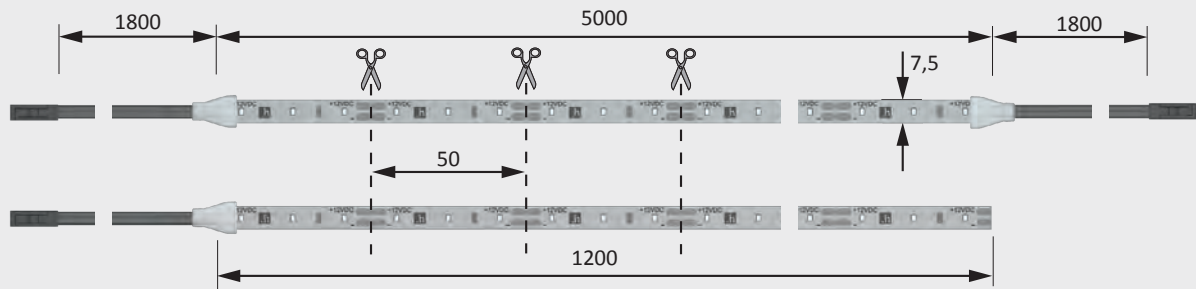


Light box

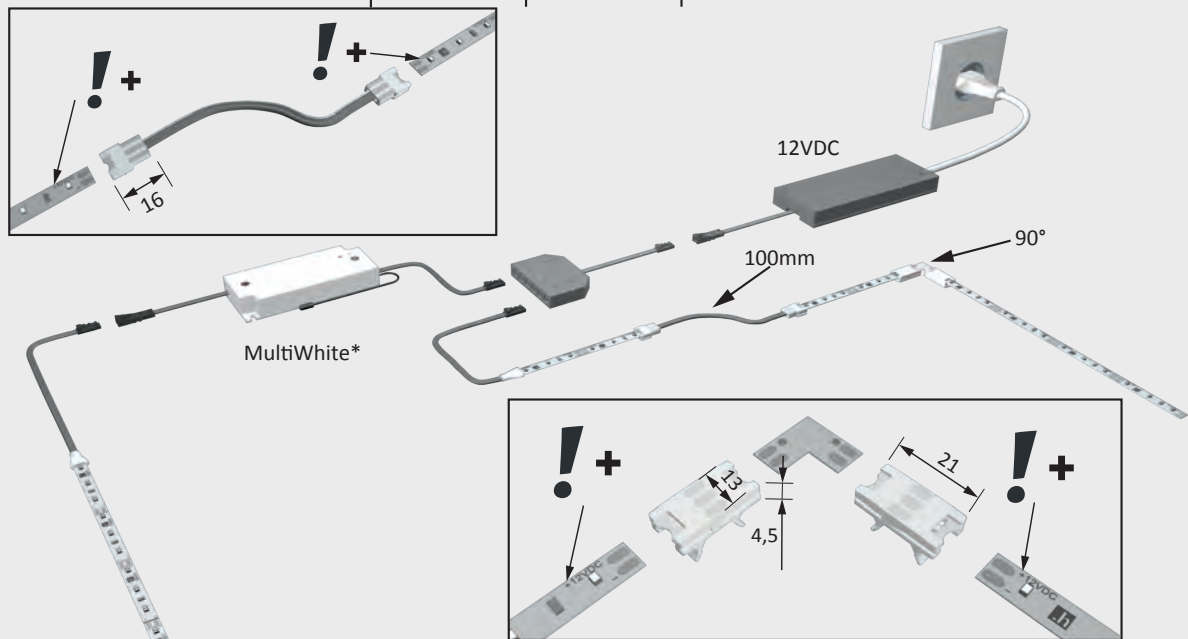
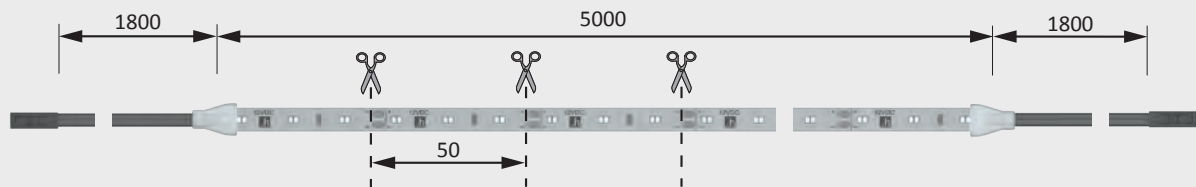


Dimensional drawing / installation

Light can be cut to size



MultiWhite







## Versa Plus 60

### Advantages

- ▶ Coated surface protects the LED
- ▶ Flexible, self-adhesive
- ▶ Double-side supply lead (one cut, two lights), see drawing

### Features

- ▶ Low installation height
- ▶ Can be individually cut to length
- ▶ Successor product of Versa plus

### Examples of use

- ▶ Universal application
- ▶ Can be combined with Channelline profiles

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white / MultiWhite
Colour rendering index CRI:	> 90
Energy efficiency:	A+ 85 lm / W
Life span:	30,000 h (L70)
Power consumption:	4.8 W / m
Max. length at a stretch:	5 m
Dimmable:	Yes
Number of LEDs:	60 / m
Beam angle:	70°
Test marks and symbols:	CE ◇ ▽ ▽
Protection rating:	IP 44***
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connector
Connection to:	LED ballast

### Versa Plus

Article	Order no. MultiWhite*	Order no. Extra warm**	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm (max. 5.8 W)	-	55 803 42	55 803 12	55 803 02	55 803 22
5000 mm (max. 24 W)	55 804 33*	55 803 43	55 803 13	55 803 03	55 803 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

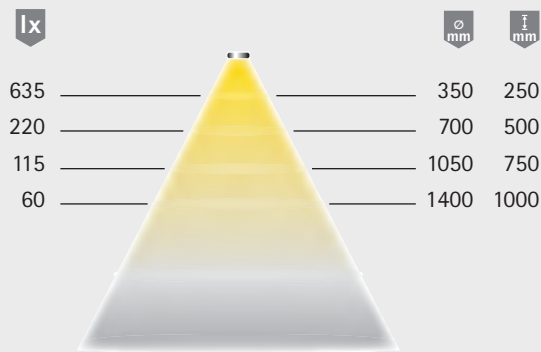
Article	Order no.
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

\* for MultiWhite accessories, see chapter "Switch systems"

\*\* for Versa Plus 2500 K

\*\*\* only in moulded section of light

Light distribution diagram / 70° (length 600 mm)

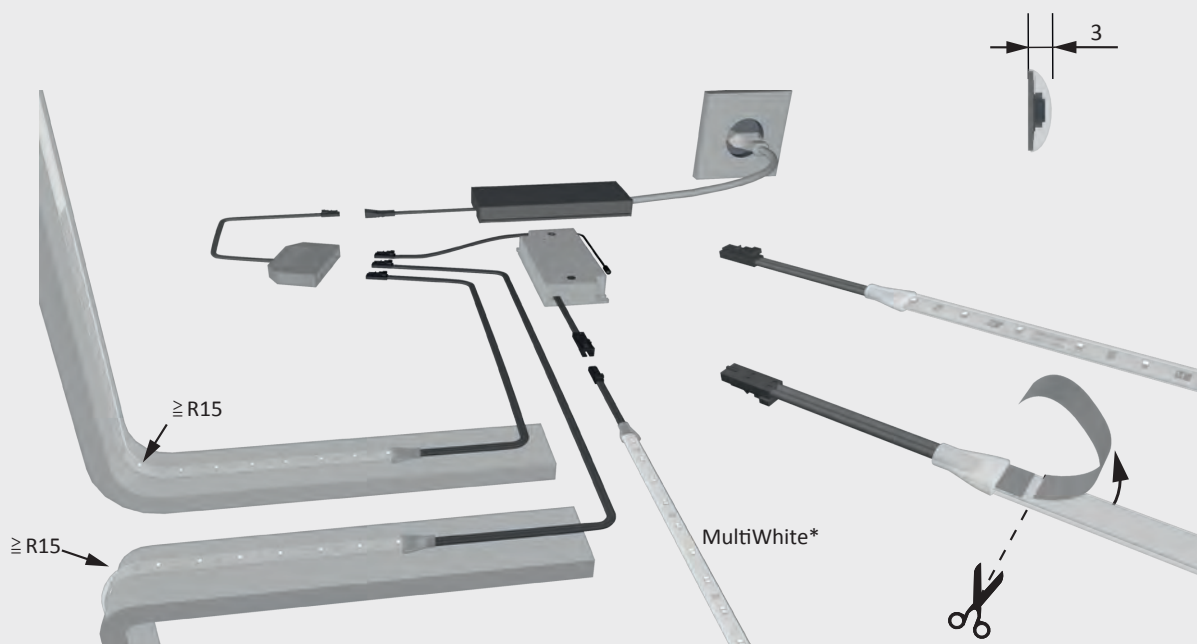
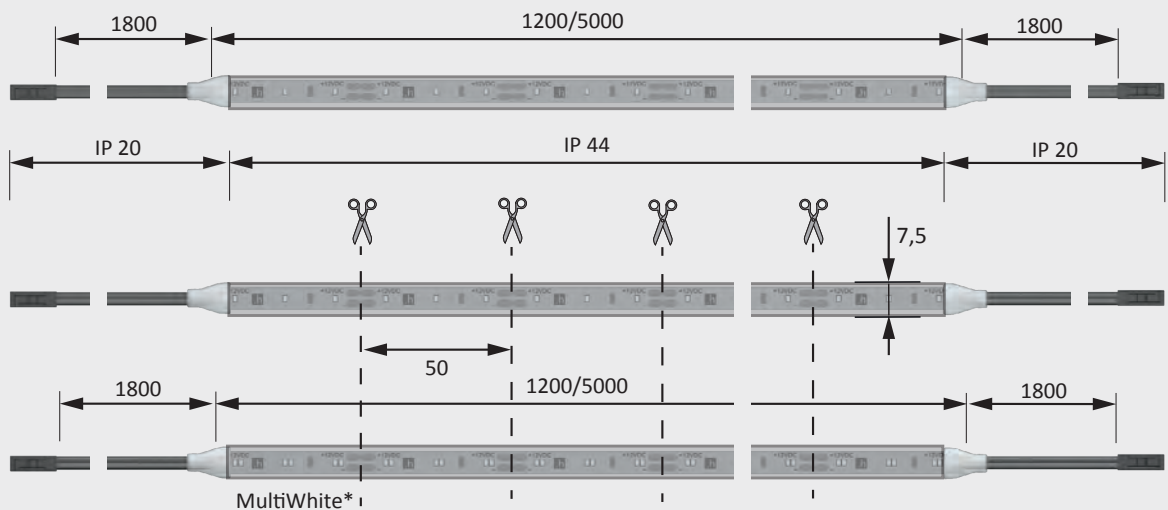


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa SideView 60

### Advantages

- ▶ LED emits light to one side
- ▶ Double-side supply lead (one cut, two lights), see drawing

### Features

- ▶ Low installation height
- ▶ Can be individually cut to length

### Examples of use

- ▶ Universal application

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white

Colour rendering index CRI:	> 80
Energy efficiency:	A++
Life span:	98 lm / W
Power consumption:	30,000 h (L70)
Max. length at a stretch:	4.8 W / m

Dimmable:	7 m
Number of LEDs:	Yes
Beam angle:	60 / m
Test marks and symbols:	70°

Protection rating:	CE, diamond, triangle, square
Supply lead:	IP 20
Plug connection:	2 x 1800 mm
Connection to:	LED mini M1 plug connector LED ballast

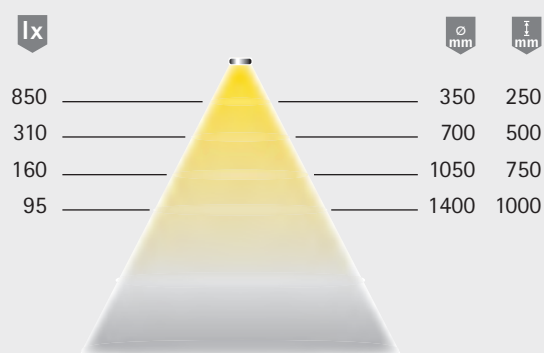
### Versa SideView 60

Article	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
5000 mm (max. 24 W)	55 811 43	55 811 13	55 811 03	55 811 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (max. 36 W)	36 334 01
Direct connector (max. 36 W) - set (10 units)	36 327 01
90° connector (max. 36 W)	36 335 01
90° connector (max. 36 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 36 W)	36 336 01
Flexible connector 100 mm (max. 36 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 36 W)	36 330 02
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

Light distribution diagram / 70° (length 600 mm)

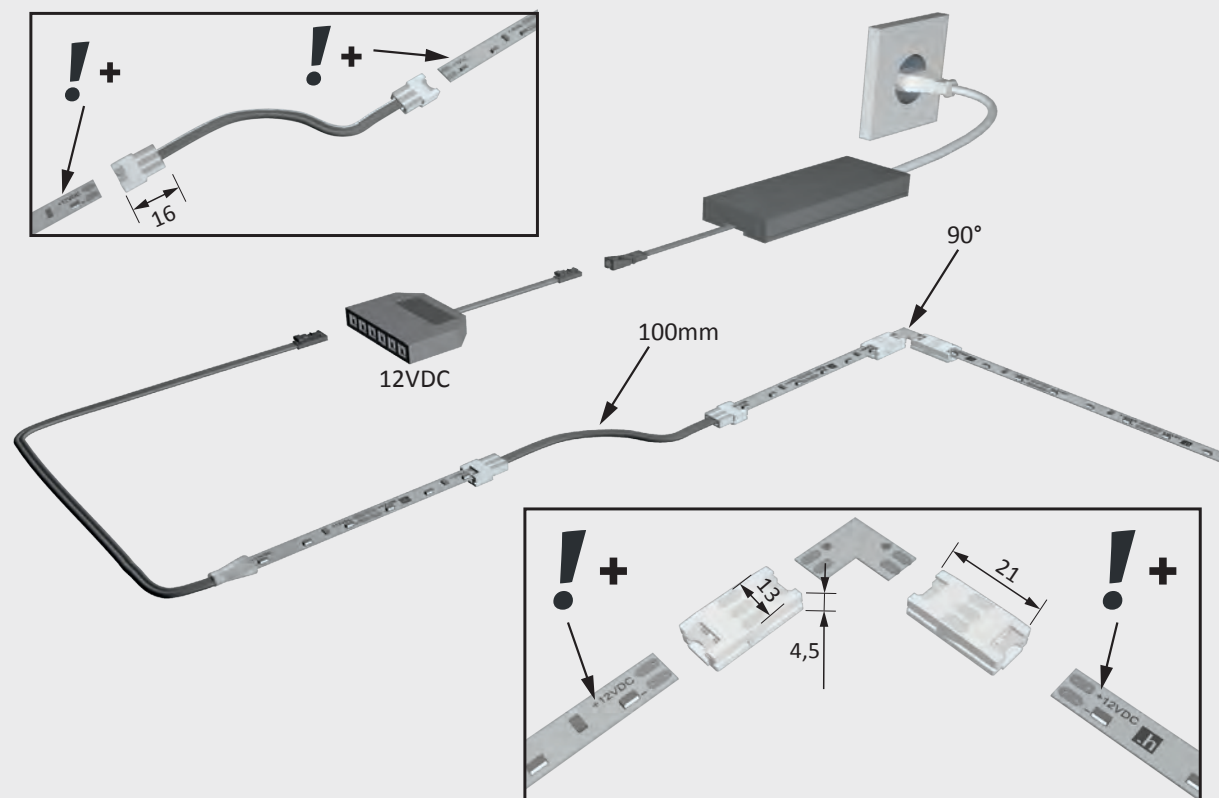
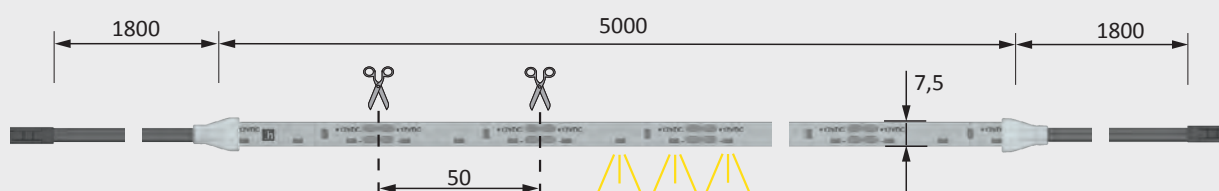


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Up&Down 60

### Advantages

- ▶ LED emits light to two sides
- ▶ Double-side supply lead (one cut, two lights), see drawing

### Features

- ▶ Low installation height
- ▶ Can be individually cut to length

### Examples of use

- ▶ Back walls
- ▶ Ideal for ChannelLine J

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1

### Technical details in brief





Lamp type: LED surface-mounted light  
Type of lighting: Accent lighting  
Operating voltage: 12 V DC  
Light colour: Extra warm white / warm white / neutral white / cool white

Colour rendering index CRI: > 85  
Energy efficiency: A

Life span: 30,000 h (L70)  
Power consumption: 9.6 W / m

Max. length at a stretch: 3 m  
Dimmable: Yes  
Number of LEDs: 2 x 60 / m  
Beam angle: 2 x 70°

Test marks and symbols:     
Protection rating: IP 20  
Supply lead: 2 x 1800 mm  
Plug connection: LED mini  
Connection to: M1 plug connector LED ballast

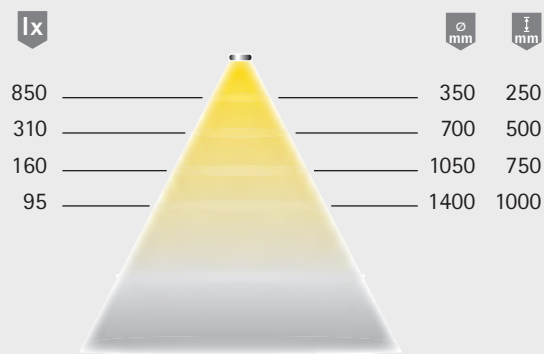
### Versa Up&Down 60

Article	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
3000 mm (max. 29 W)	55 812 43	55 812 13	55 812 03	55 812 23

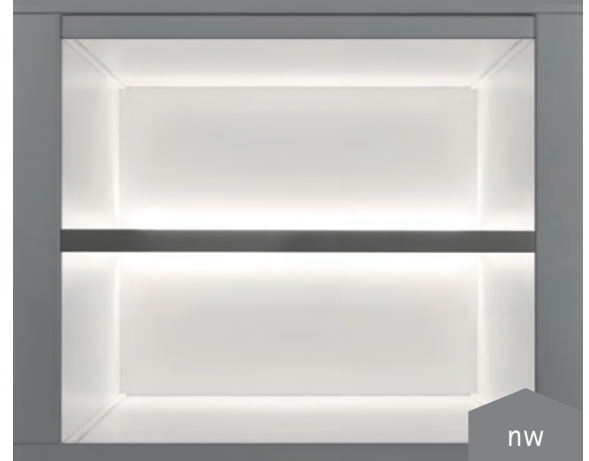
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (max. 36 W)	36 334 01
Direct connector (max. 36 W) - set (10 units)	36 327 01
90° connector (max. 36 W)	36 335 01
90° connector (max. 36 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 36 W)	36 336 01
Flexible connector 100 mm (max. 36 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 36 W)	36 330 02
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

Light distribution diagram / 2 x 70° (length 600 mm)

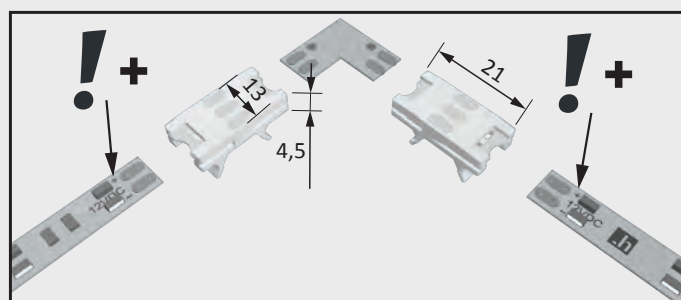
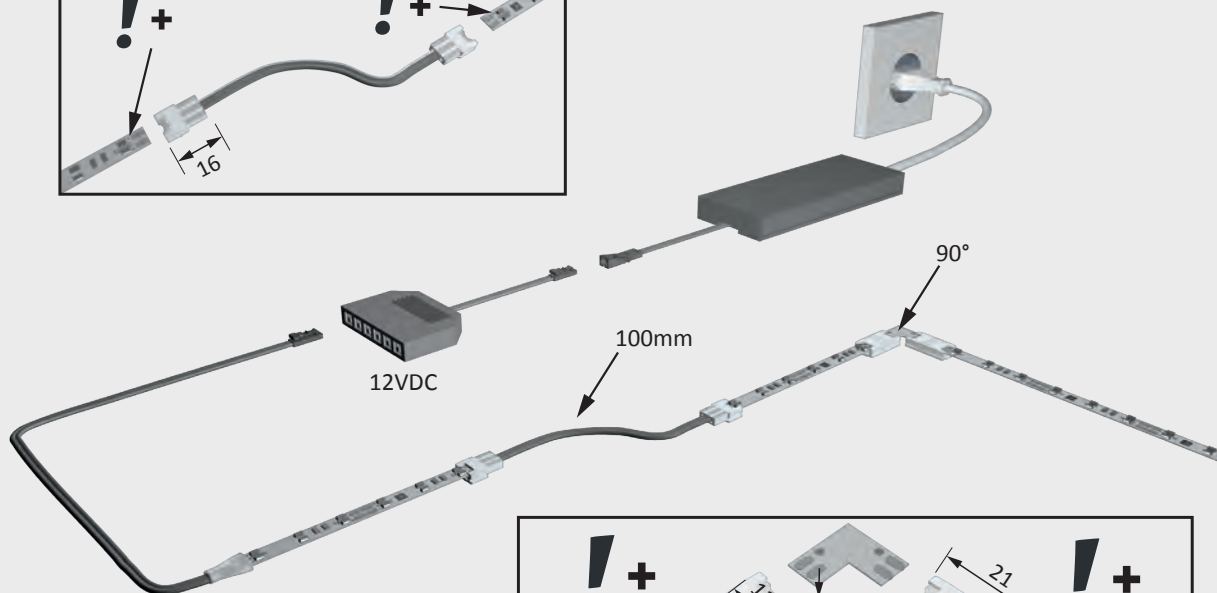
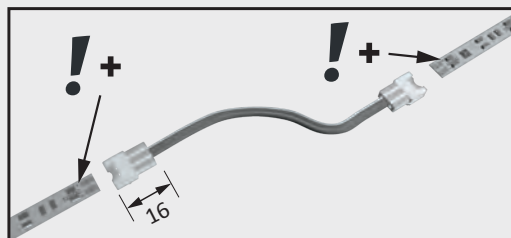
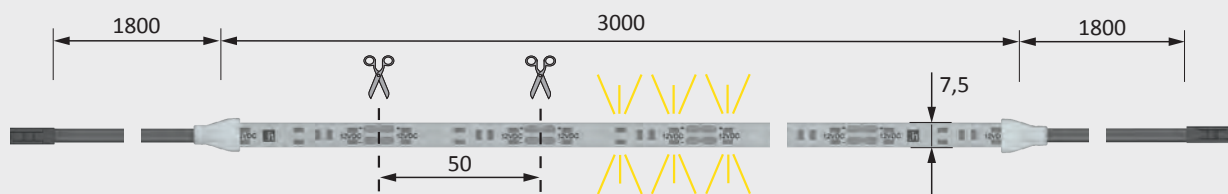


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Inside 90

### Advantages

- Flexible, self-adhesive
- Double-side supply lead for length 5000 mm (one cut, two lights), see drawing

### Features

- Low installation height
- Can be individually cut to length

### Examples of use

- Universal application
- Can be combined with Channelline profiles

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- For possible combinations, see Versa overview
- Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting / accent lighting
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white / MultiWhite
Colour rendering index CRI:	> 90
Energy efficiency:	A+ 90 lm / W
Life span:	30,000 h (L70)
Power consumption:	7.2 W / m
Max. length at a stretch:	5 m
Dimmable:	Yes
Number of LEDs:	60 / m
Beam angle:	70°
Test marks and symbols:	CE ◇ ▼ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connector
Connection to:	LED ballast

### Versa Inside 90

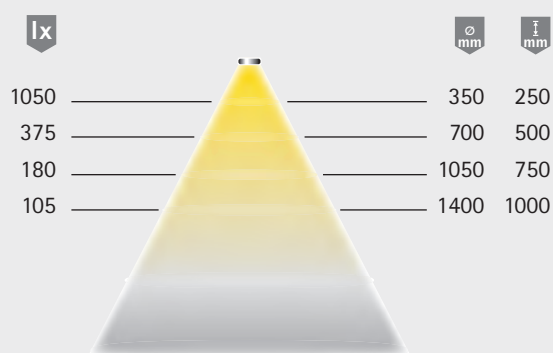
Article	Order no. MultiWhite*	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm (max. 8.6 W)	-	55 805 42	55 805 12	55 805 02	55 805 22
5000 mm (max. 36 W)	55 806 33*	55 805 43	55 805 13	55 805 03	55 805 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (max. 36 W)	36 334 01
Direct connector (max. 36 W) - set (10 units)	36 327 01
90° connector (max. 36 W)	36 335 01
90° connector (max. 36 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 36 W)	36 336 01
Flexible connector 100 mm (max. 36 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 36 W)	36 330 02
LED ballast 15 W with flat Euro plug	30 996 17
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

\* for MultiWhite accessories, see chapter "Switch systems"

Light distribution diagram / 70° (length 600 mm)

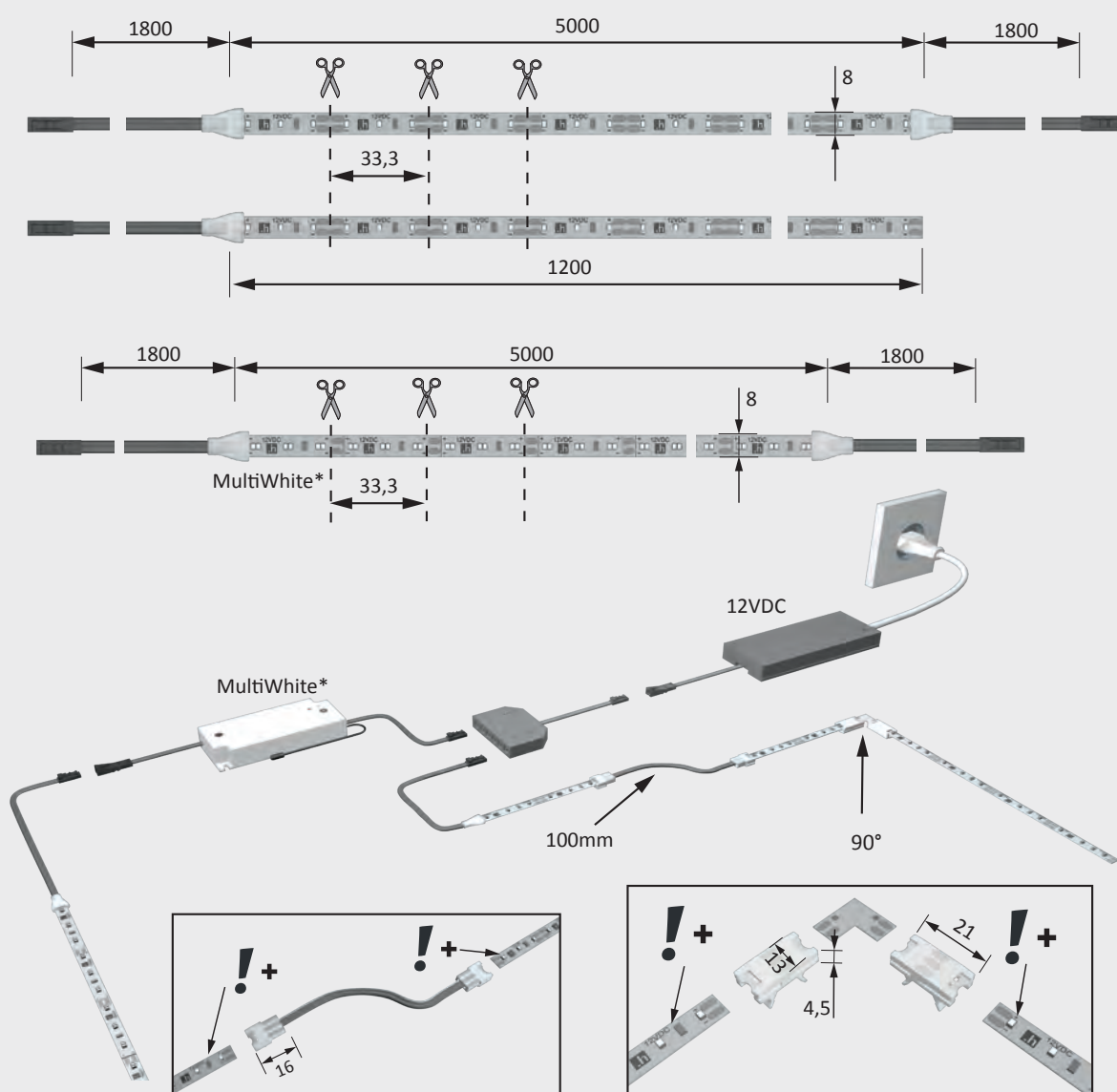


Light box

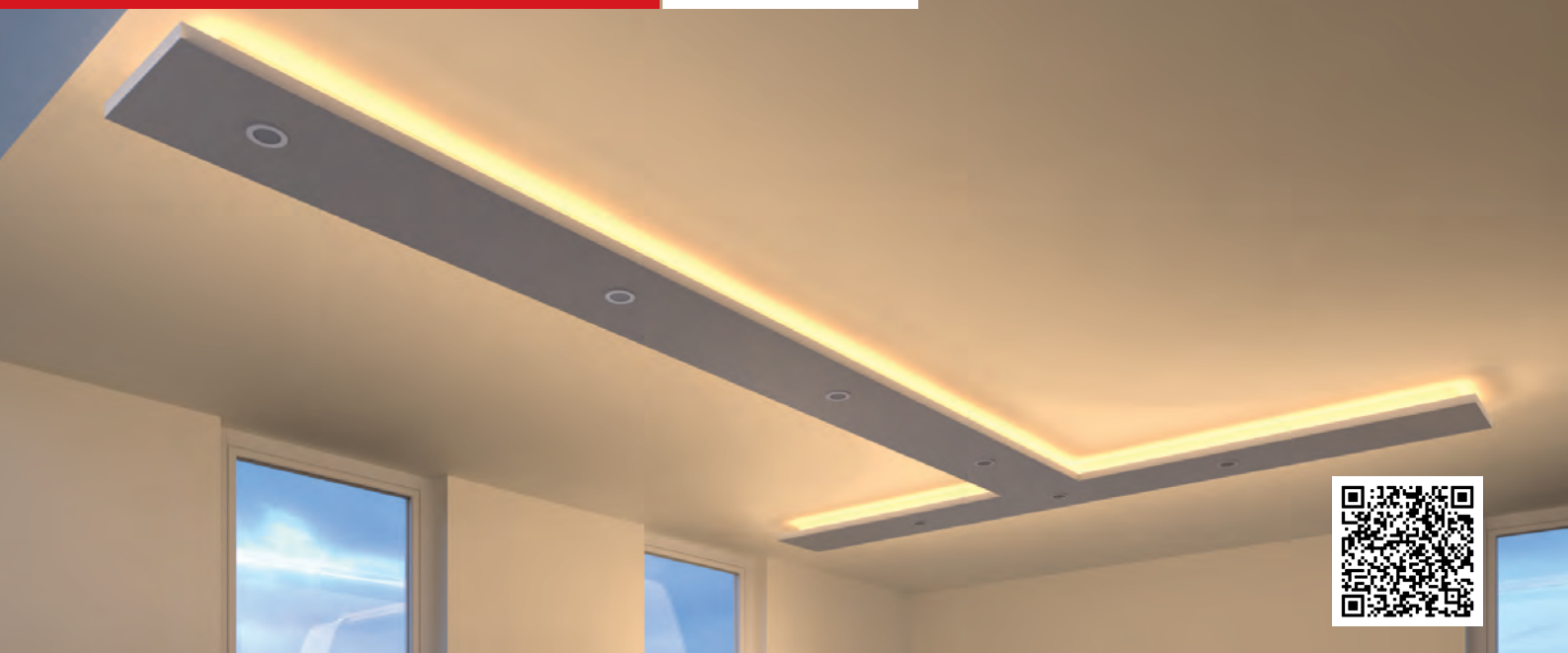


Dimensional drawing / installation

Light can be cut to size







## Versa Inside 120

### Advantages

- Flexible, self-adhesive
- Double-side supply lead for length 3000 / 5000 mm (one cut, two lights), see drawing

### Features

- Low installation height
- Can be individually cut to length
- Successor product of Versa Inside 2 + 8

### Examples of use

- Universal application
- Can be combined with Channelline profiles

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- For possible combinations, see Versa overview
- Sales unit: 1

### Technical details in brief



**12 V** **24 V MP**

Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting / accent lighting
Operating voltage:	12 / 24 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white / MultiWhite
Colour rendering index CRI:	> 90
Energy efficiency:	A+
Life span:	85 lm / W
Power consumption:	30,000 h (L70)
Max. length at a stretch:	9.6 W / m
Dimmable:	12 V - 3 m
Number of LEDs:	24 V - 5 m
Beam angle:	Yes
Test marks and symbols:	120 / m
Protection rating:	70°
Supply lead:	CE, diamond, triangle, square
Plug connection:	IP 20
Connection to:	1800 mm
	LED mini connector
	M1 / MP2 plug connector
	LED ballast

### Versa Inside 120

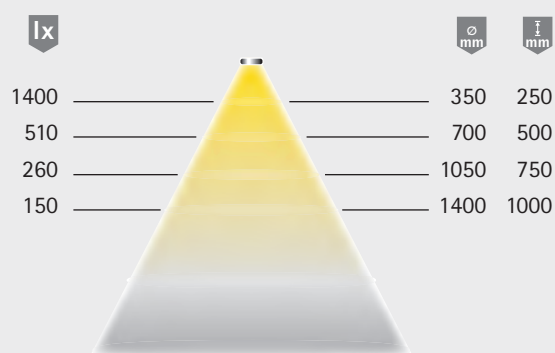
Article	Order no. MultiWhite*	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm 24 V	-	55 809 42	55 809 12	55 809 02	55 809 22
3000 mm 12 V	55 808 34*	55 807 44	55 807 14	55 807 04	55 807 24
5000 mm 24 V	-	55 809 43	55 809 13	55 809 03	55 809 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (12 V, max. 36 W / 24 V, max. 72 W)	36 334 01
Direct connector (12 V, max. 36 W / 24 V, max. 72 W) - set (10 units per set)	36 327 01
90° connector (12 V, max. 36 W / 24 V, max. 72 W)	36 335 01
90° connector (12 V, max. 36 W / 24 V, max. 72 W) - set (10 units per set)	36 328 01
Flexible connector 100 mm (12 V, max. 36 W / 24 V, max. 72 W)	36 336 01
Flexible connector 100 mm (12 V, max. 36 W / 24 V, max. 72 W) - (10 units per set)	36 329 01
Feeder 1800 mm for sections (12 V DC, max. 36 W)	36 330 02
Feeder 1800 mm for sections (24 V DC, max. 72 W)	36 330 01
LED ballast 12 V DC, 30 W with flat Euro plug	31 002 07
LED ballast 24 V DC, 75 W with flat Euro plug	31 017 01
M1 extension lead 1800 mm (12 V DC)	36 768 01
MP2 extension lead 1800 mm (24 V DC)	36 177 01
M1 6-way distributor 200 mm (12 V DC)	36 122 07
MP2 6-way distributor (24 V DC)	36 996 01

\* for MultiWhite accessories, see chapter "Switch systems"

Light distribution diagram / 70° (length 600 mm)

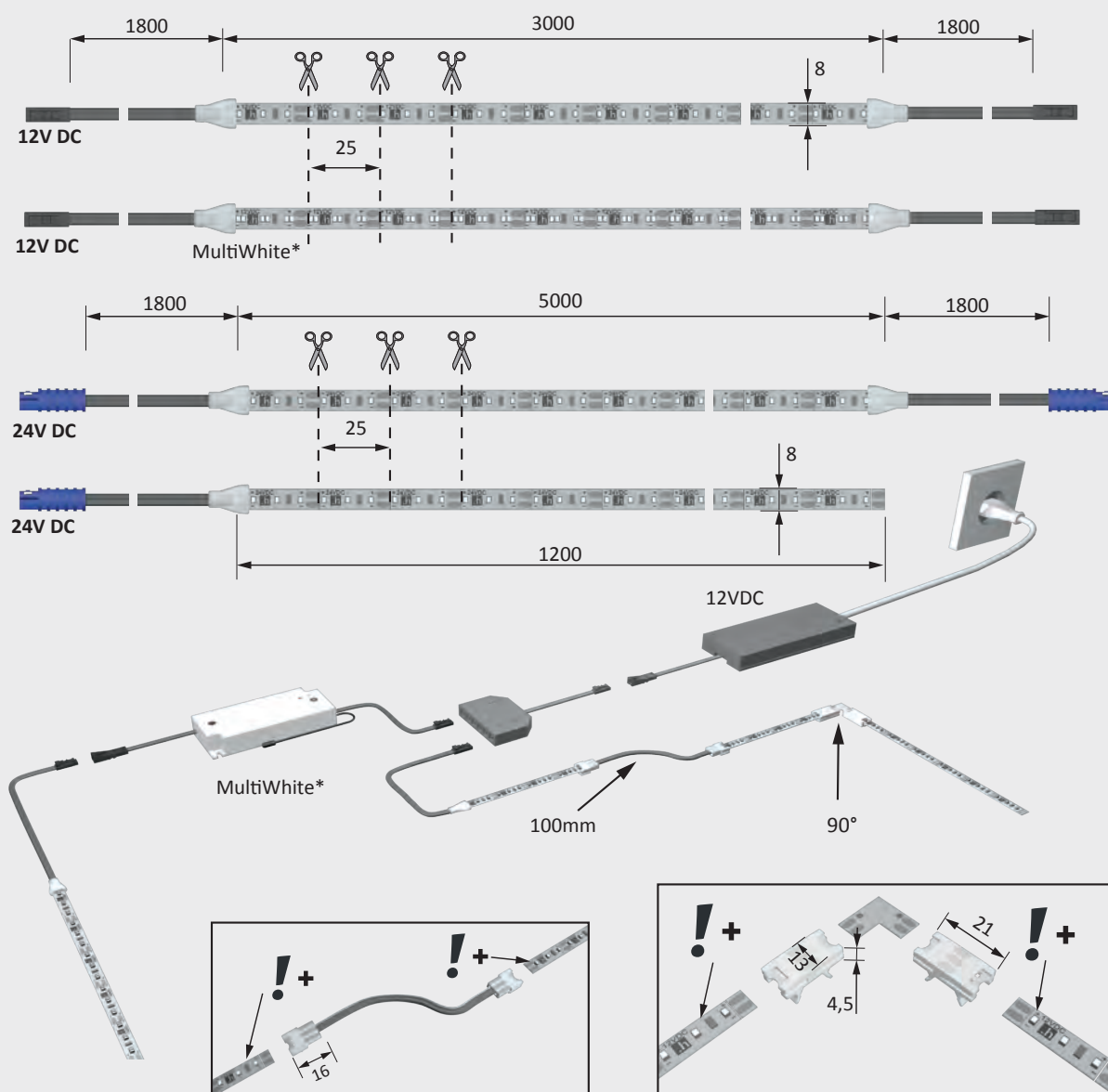


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Inside 120 HP

### Advantages

- Flexible, self-adhesive
- Double-side supply lead for length 5000 mm (one cut, two lights), see drawing

### Features

- Low installation height
- Can be individually cut to length
- Successor product of Versa Inside 1 + 4

### Examples of use

- Universal application
- Installation exclusively with aluminium ChannelLine profiles
- To achieve maximum brightness, many profiles can be fitted with 2 parallel strips

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- For possible combinations, see Versa overview
- Sales unit: 1

### Versa Inside 120 High Power

Article	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
1200 mm (max. 17.3 W)	55 810 42	55 810 12	55 810 02	55 810 22
5000 mm (max. 72 W)	55 810 43	55 810 13	55 810 03	55 810 23

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Direct connector (max. 72 W)	36 334 01
Direct connector (max. 72 W) - set (10 units)	36 327 01
90° connector (max. 72 W)	36 335 01
90° connector (max. 72 W) - set (10 units)	36 328 01
Flexible connector 100 mm (max. 72 W)	36 336 01
Flexible connector 100 mm (max. 72 W) - set (10 units)	36 329 01
Feeder 1800 mm for sections (max. 72 W)	36 330 01
LED ballast 24 V DC, 75 W with flat Euro plug	31 017 01
LED ballast 24 V DC, 150 W with flat Euro plug	30 017 11
MP2 2-way distributor	39 422 51
MP2 6-way distributor	36 996 01

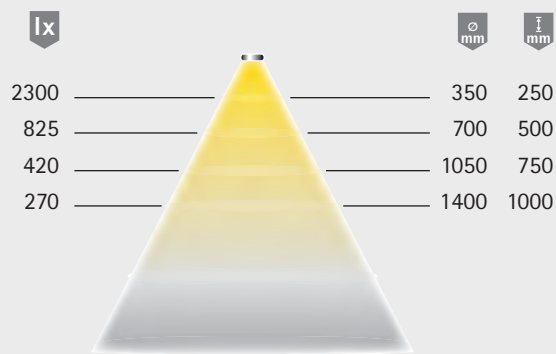
\* for MultiWhite accessories, see chapter "Switch systems"

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting / accent lighting
Operating voltage:	24 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white
Colour rendering index CRI:	> 80
Energy efficiency:	A+ 85 lm / W
Life span:	30,000 h (L70)
Power consumption:	14.4 W / m
Max. length at a stretch:	5 m
Dimmable:	Yes
Number of LEDs:	120 / m
Beam angle:	70°
Test marks and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED-MultiPlug MP2
Connection to:	LED ballast

Light distribution diagram / 70° (length 600 mm)

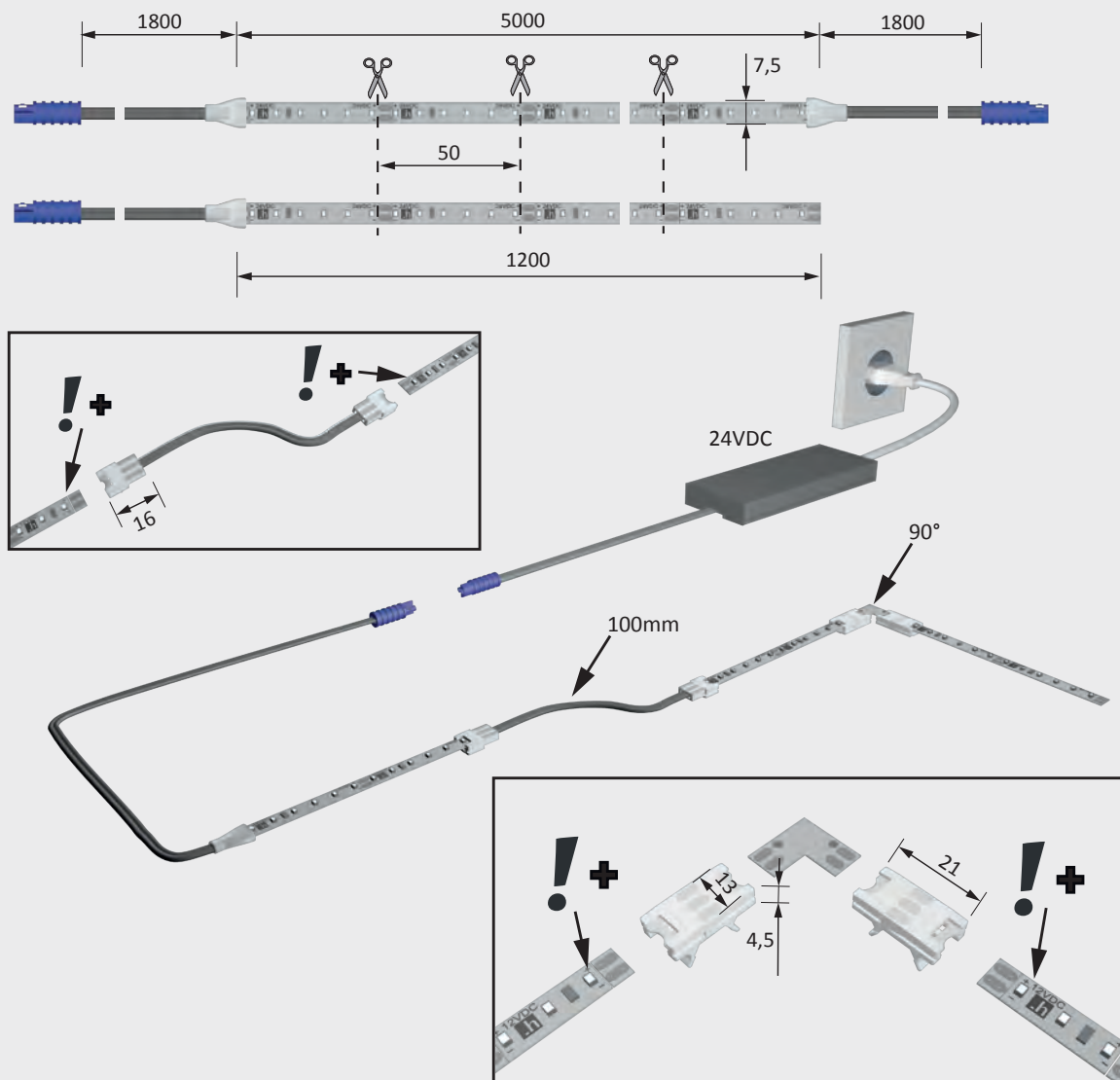


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Super Plus

### Advantages

- ▶ Coated surface protects the LED
- ▶ Double-side supply lead (one cut, two lights), see drawing
- ▶ New bending direction (see drawing)

### Features

- ▶ Can be individually cut to length
- ▶ Bends sideways in contrast to standard Versa
- ▶ Evenly illuminated area

### Examples of use

- ▶ Bar counters
- ▶ Decorative surfaces with rounded corners

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1 Versa, 2 end caps and 1 tube of silicone to seal cut edges

### Technical details in brief



**24 V  
MP**

Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	24 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white
Colour rendering index CRI:	> 85
Energy efficiency:	A
Life span:	53 lm / W
Power consumption:	30,000 h (L70)
Max. length at a stretch:	7.5 W / m
Dimmable:	5 m
Beam angle:	Yes
Test marks and symbols:	70°
Protection rating:	CE, RoHS, REACH, WEEE
Supply lead:	IP 65*
Plug connection:	2 x 1800 mm
Connection to:	LED-MultiPlug MP2
	LED ballast

### Versa Super Plus 120

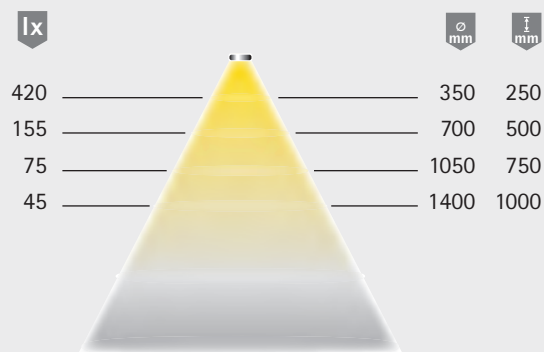
Article	Order no. Extra warm	Order no. Warm white	Order no. Neutral white	Order no. Cool white
2500 mm (max. 18.8 W)	55 815 41	55 815 11	55 815 02	55 815 21
5000 mm (max. 37,5 W)	55 815 40	55 815 10	55 815 01	55 815 20

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 24 V DC, 75 W with flat Euro plug	31 017 01
LED ballast 24 V DC, 150 W with flat Euro plug	30 017 11
MP2 2-way distributor	39 422 51
MP2 6-way distributor	36 996 01

\* only in moulded section of light

Light distribution diagram / 70° (length 600 mm)

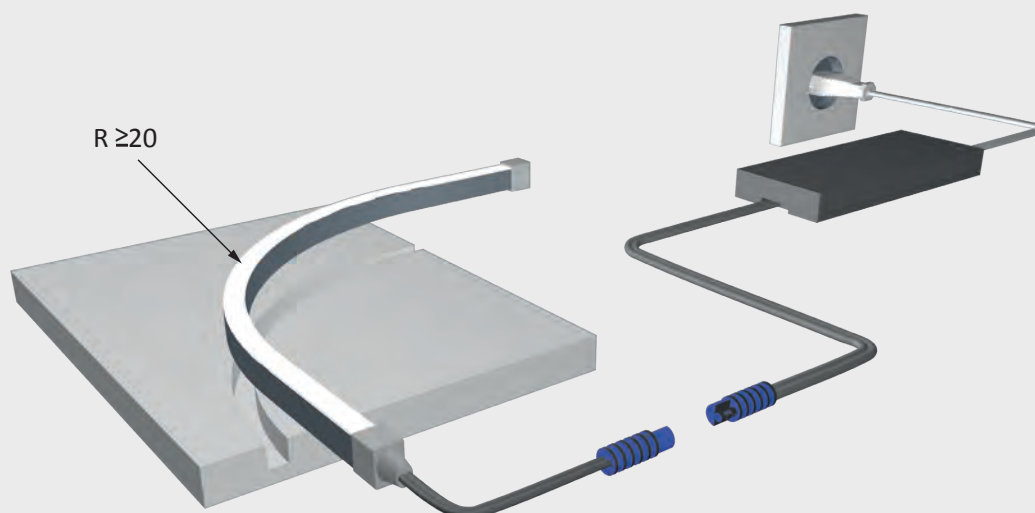
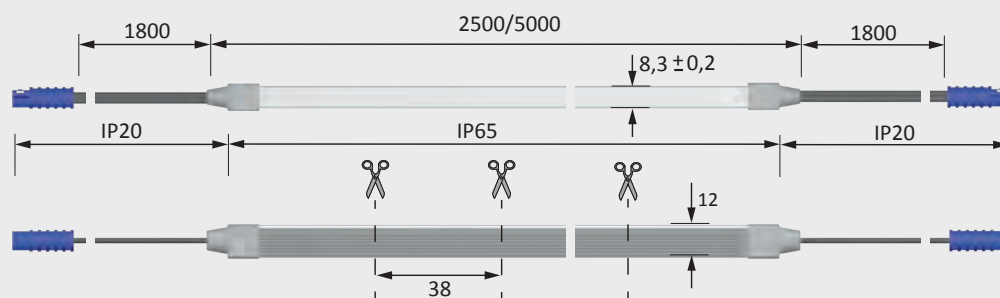


Light box



Dimensional drawing / installation

Light can be cut to size







## Versa Inside MultiColor

### Advantages

- ▶ Powerful light with colour change option
- ▶ Double-sided supply lead (one cut, two lights)

### Features

- ▶ Flexible, self-adhesive, can be cut to length
- ▶ Control of light colour with S-Mitter MultiColor remote control
- ▶ Optional signal amplification by repeater for simultaneous control of additional lights

### Examples of use

- ▶ Furniture edges, plinths, panels, shelves
- ▶ Can be combined with Channelline profiles

### Ordering information

- ▶ For possible combinations, see Versa overview
- ▶ Sales unit: 1

### Technical details in brief



**24 V  
MP**

### Versa Inside MultiColor

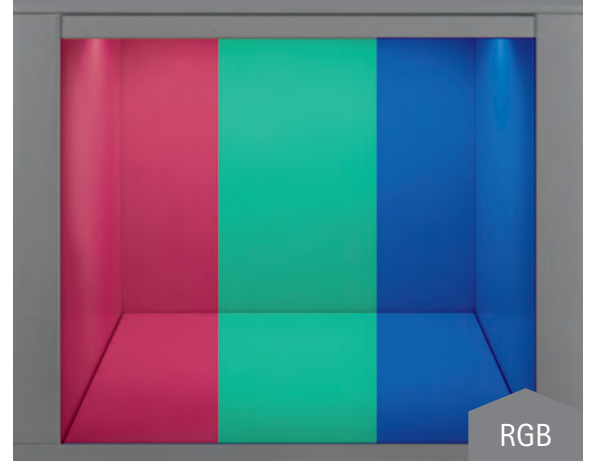
Article	Order no. MultiColor
5000 mm (max. 72W)	55 659 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
S-Mitter MultiColor remote control (max. 72 W)	30 918 05
S-Mitter MultiColor receiver (max. 72 W)	30 923 05
MultiColor repeater (max. 72 W)	30 263 03
90° direct connector (max. 72 W)	36 311 04
Flexible connector 100 mm (max. 72 W)	36 312 04
Feeder 1700 mm for sections (max. 72 W)	36 313 04
LED ballast 24 V DC, 75 W with flat Euro plug	31 017 01
MultiColor extension lead 1800 mm	36 770 21
MultiColor 6-way distributor 2000 mm	36 122 11

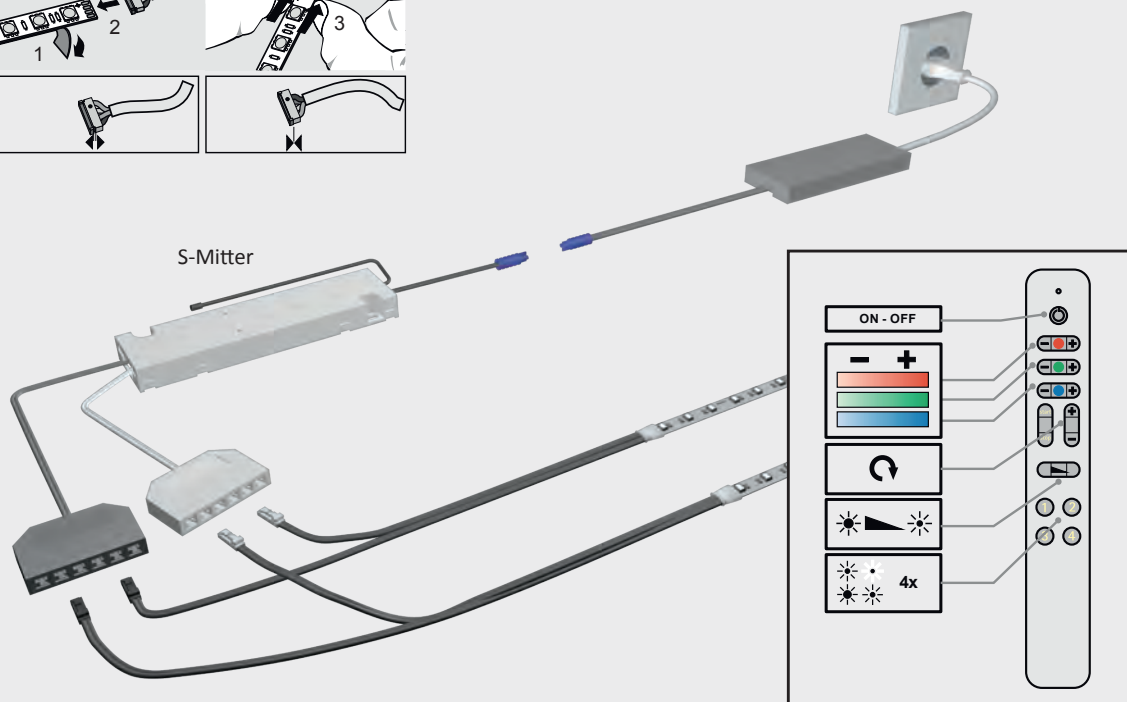
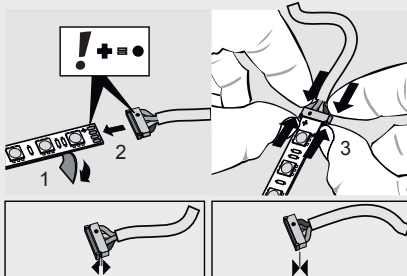
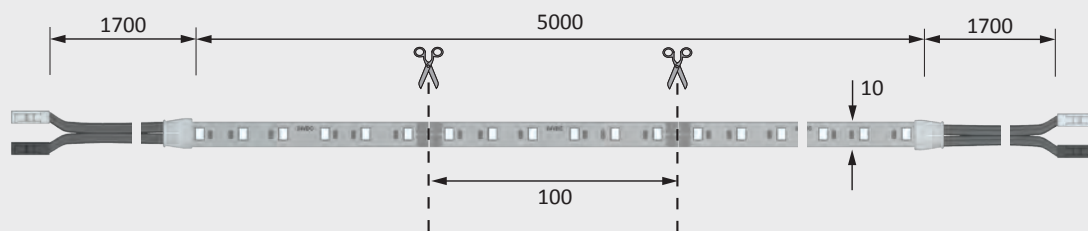
Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Operating voltage:	24 V DC
Light colour:	MultiColor
Life span:	30,000 h (L70)
Power consumption:	14.4 W / m
Max. length at a stretch:	5 m
Dimmable:	Yes
Number of LEDs:	60 / m
Beam angle:	70°
Test marks and symbols:	CE ◇ ▼ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED MultiColor plug connector
Connection to:	LED ballast and LED colour control

Light box



## Dimensional drawing / installation

Light can be cut to size



## Recommended combinations of Versa bands in ChannelLine profiles










Model	ChannelLine A	ChannelLine K	ChannelLine B	ChannelLine C	ChannelLine D
					
Applications	Between timber boards (e.g. kitchen countertops) or shelving units	Behind decorative elements such as picture frames	Recessed light - Can be combined with ChannelLine sensor	Recessed light made to measure - suitable for combination with ChannelLine sensor	Surface-mounted light made to measure - suitable for combination with ChannelLine
Versa 60     	opal	Accent lighting in dark rooms No visible light dots		Accent lighting in dark rooms	
	clear	✗		○	
Versa 90     	opal	Accent lighting with bright ambient light No visible light dots		Accent lighting with bright ambient light	
	clear	✗		○	
Versa 120     	opal	Accent lighting with bright ambient light No visible light dots	○	Accent lighting with bright ambient light No visible light dots	Functional lighting with bright ambient light
	clear		✗		Functional lighting approx. 30 % brighter than with matt-finish profile
Versa 120 HP    	opal		○		Functional lighting with powerful general light
	clear		✗		Functional lighting approx. 30 % brighter than with matt-finish profile
Versa SideView    	opal				
	clear	✗			
Versa Up&Down    	opal				
	clear	✗			
Versa MultiColor 	opal	Accent lighting		○	
	clear	✗		Accent lighting for direct illumination	

✗ Combination not allowed

○ Combination possible, but not recommended



## Recommended combinations of Versa bands in ChannelLine profiles

Model		ChannelLine I	ChannelLine G / G1	ChannelLine H	ChannelLine J	ChannelLine F
						
Applications		Surface-mounted light made to measure – extra filigree design	Interior lighting for cabinets, niches	Surface-mounted light made to measure, for niches in kitchens and corners of furniture	Behind furniture bases	Furniture
Versa 60 	opal	Accent lighting in dark rooms	Functional lighting	Accent lighting	○	Accent lighting No visible light dots
	clear	○	Functional lighting approx. 30 % brighter than with matt-finish profile		×	
Versa 90 	opal	Functional lighting			○	Accent lighting No visible light dots
	clear	○	Functional lighting approx. 30 % brighter than with matt-finish profile		×	
Versa 120 	opal	Functional lighting with bright ambient light			○	Accent lighting No visible light dots
	clear	Functional lighting approx. 30 % brighter than with matt-finish profile			×	
Versa 120 HP 	opal	Functional lighting with powerful general light	×	Functional lighting with bright ambient light	×	
	clear	Functional lighting approx. 30 % brighter than with matt-finish profile	×	Functional lighting approx. 30 % brighter than with matt-finish profile		
Versa SideView 	opal				Accent lighting	×
	clear				×	
Versa Up&Down 	opal				Accent lighting	×
	clear				×	
Versa MultiColor 	opal	○	×	○	×	Accent lighting
	clear	Accent lighting for direct illumination				×



## Channelline A

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With opal (translucent) cover

### Features

- ▶ Profile for combination with one Versa light
- ▶ Caters for connectors inside profile

### Examples of use

- ▶ Furniture edges
- ▶ Edge lighting for kitchen countertops

### Ordering information

- ▶ Application image shows Channelline A with Versa Inside 60
- ▶ For possible combinations, see ChannellineFinder pages
- ▶ Sales unit: 1

### Technical details in brief



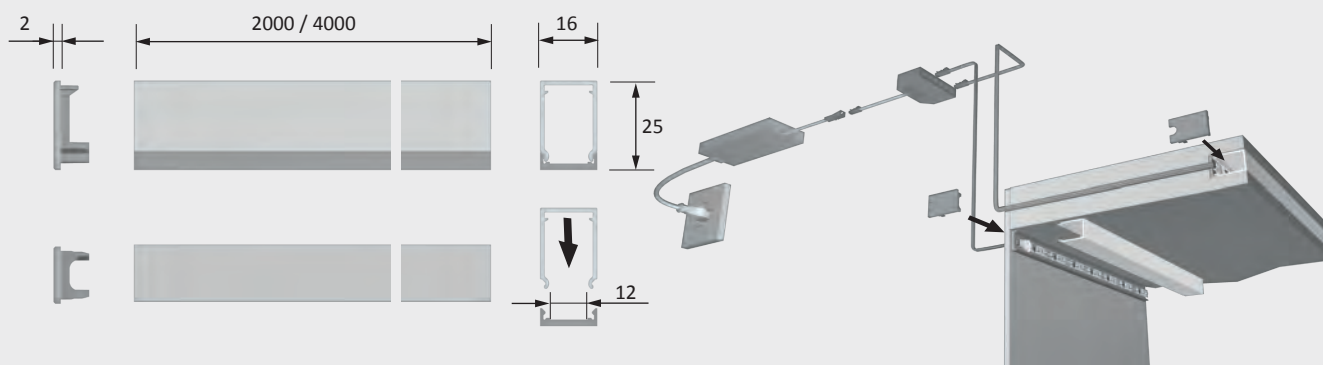
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### Channelline A

Article	Order no. Opal cover
Aluminium / plastic profile 2000 mm	38 817 03
Aluminium / plastic profile 4000 mm	38 817 02
Aluminium / plastic profile 4000 mm (5 units per set)	38 817 12
End cap (2 units per set)	25 567 01

### Dimensional drawing / installation





## ChannelLine K

### Advantages

- Opal (translucent) plastic mount profile

### Features

- Profile for combination with one Versa light
- Backlighting of furniture

### Examples of use

- Furniture back walls

### Ordering information

- Application image shows ChannelLine K with Versa Inside 30
- LED ballasts and LED lights must be ordered separately
- Sales unit: 1

### Technical details in brief



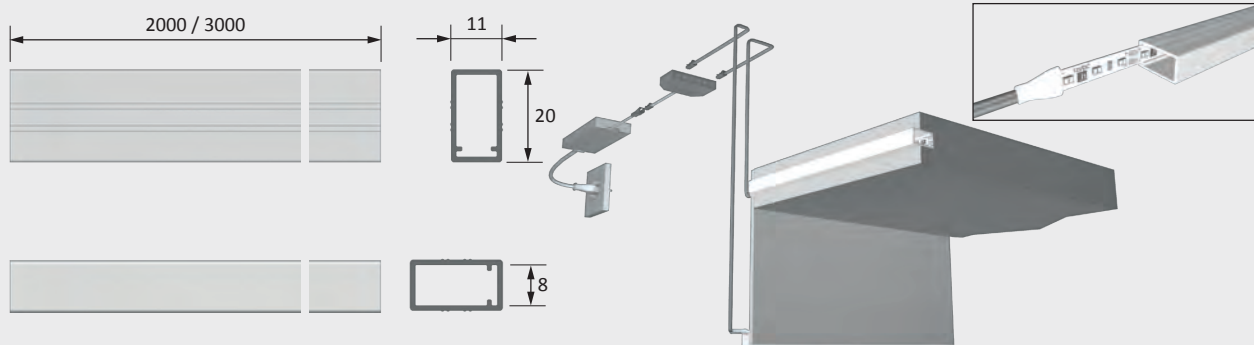
### Recommended for:

Versa Inside 30  
Versa Inside 60  
Versa Inside 90

### ChannelLine K

Article	Order no. Opal
Plastic profile 2000 mm	55 716 11
Plastic profile 2000 mm (10 units per set)	55 716 13
Plastic profile 3000 mm	55 716 12
Plastic profile 3000 mm (10 units per set)	55 716 14

### Dimensional drawing / installation







## Channelline B

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With opal (translucent) cover

### Features

- ▶ Profile for combination with one Versa light
- ▶ Caters for connectors inside profile
- ▶ Can be combined with Channelline sensor

### Examples of use

- ▶ Furniture edges

### Ordering information

- ▶ Application image shows Channelline B with Versa Inside 60
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



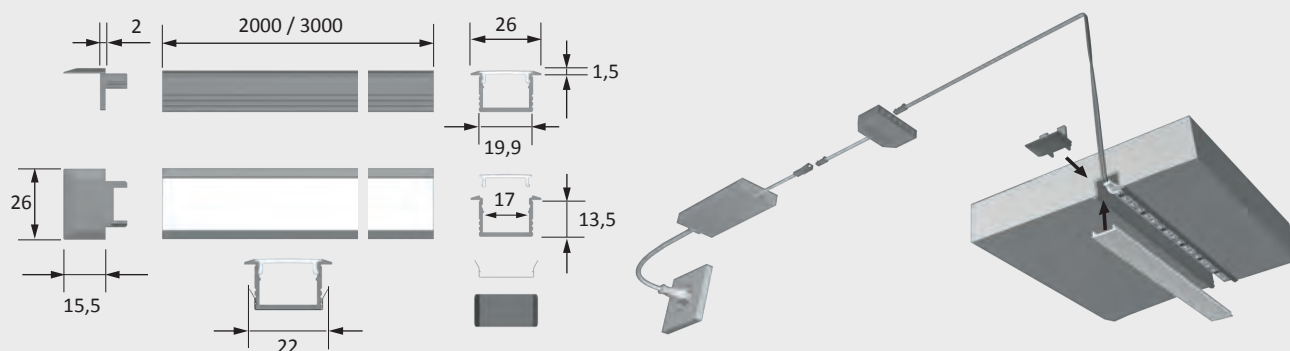
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### Channelline B

Article	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 660 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 660 13
Aluminium / plastic profile 3000 mm	55 660 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 660 14
End cap (2 units per set)	25 568 01
Installation spring Channelline B / C (2 units per set)	25 536 01

### Dimensional drawing / installation





## ChannelLine C

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With clear or opal cover

### Features

- ▶ To increase the luminance, install 2 Versa Inside lights beside each other
- ▶ Suitable for connectors inside profile (with 1 Versa only)
- ▶ Can be combined with ChannelLine sensor

### Examples of use

- ▶ Furniture edges

### Ordering information

- ▶ Application image shows ChannelLine C with Versa Inside 120
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief

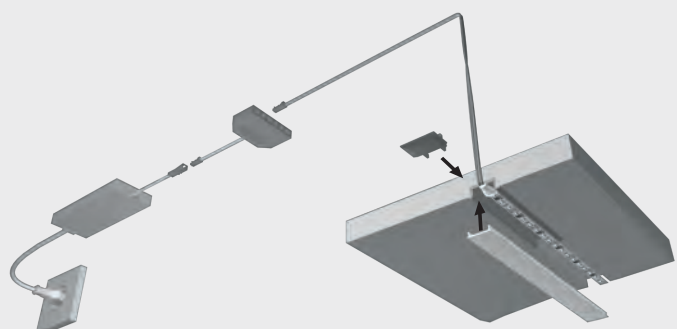
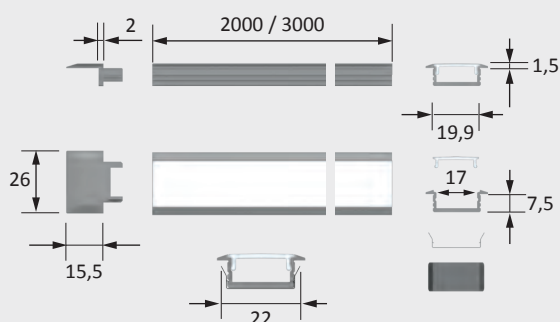


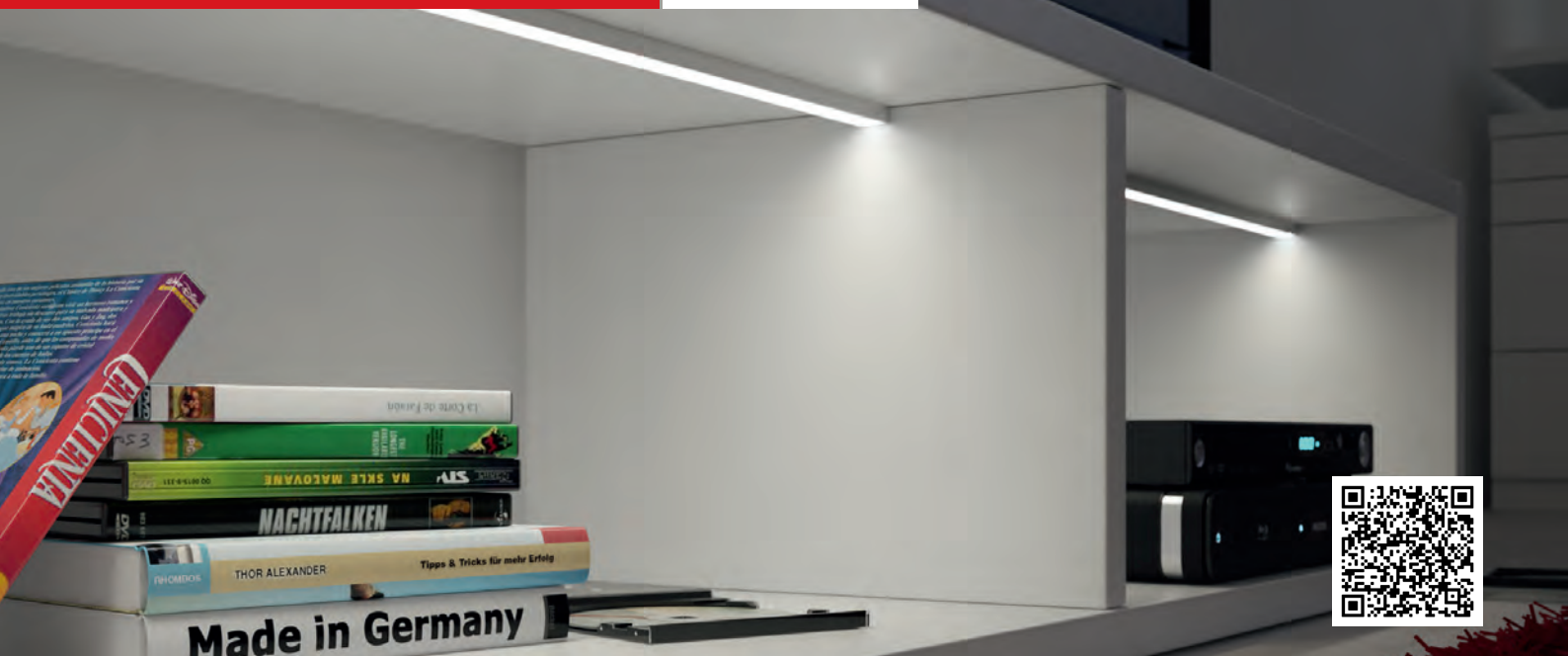
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120  
Versa Inside 120 HP

ChannelLine C		
Article	Order no. Clear cover	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 661 11	55 661 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 661 15	55 661 05
Aluminium / plastic profile 3000 mm	55 661 12	55 661 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 661 16	55 661 06
Installation spring ChannelLine B / C (2 units per set)	25 536 01	25 536 01
End cap (2 units per set)	25 569 01	25 569 01

### Dimensional drawing / installation





## Channelline D

### Advantages

- ▶ Aluminium surface-mounted/recessed profile
- ▶ With clear or opal cover

### Features

- ▶ Profile for combination with Versa lights
- ▶ To increase the luminance, install 2 Versa Inside lights beside each other
- ▶ Suitable for connectors inside profile (with 1 Versa only)
- ▶ Can be combined with Channelline sensor

### Examples of use

- ▶ Furniture edges

### Ordering information

- ▶ Application image shows Channelline D with Versa Inside 90
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



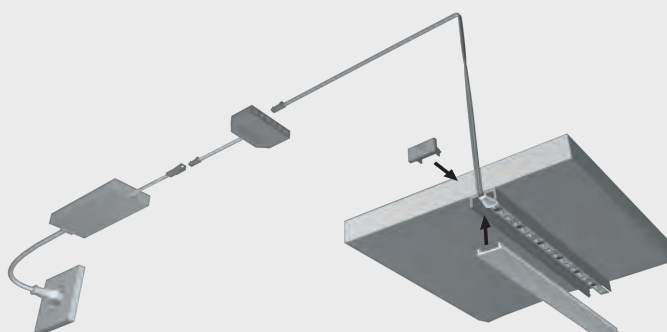
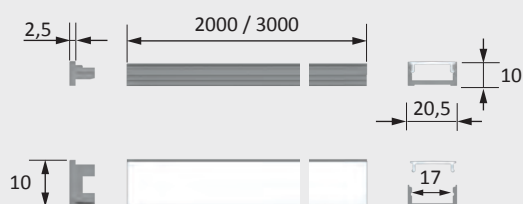
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120  
Versa Inside 120 HP

### Channelline D

Article	Order no. Clear cover	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 662 11	55 662 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 662 15	55 662 05
Aluminium / plastic profile 3000 mm	55 662 12	55 662 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 662 16	55 662 06
End cap (2 units per set)	25 570 01	25 570 01

### Dimensional drawing / installation







## Channelline I

### Advantages

- ▶ Aluminium surface-mounted/recessed profile
- ▶ With clear or opal cover

### Features

- ▶ Profile for combination with one Versa light
- ▶ Suitable for connectors inside profile (with 1 Versa only)

### Examples of use

- ▶ Furniture edges

### Ordering information

- ▶ Application image shows Channelline I with Versa Inside 90
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief

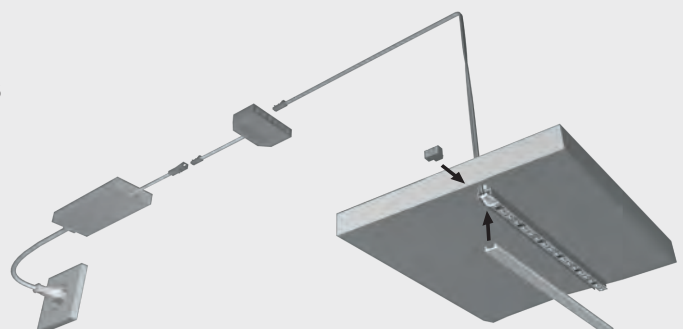
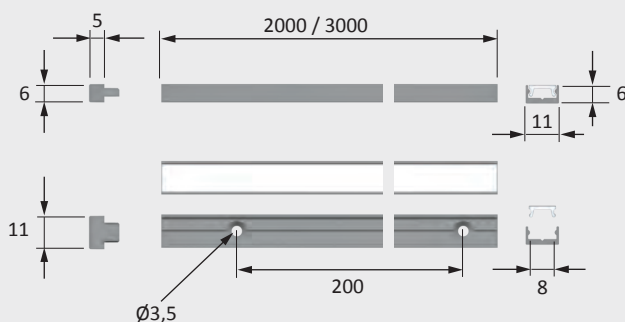


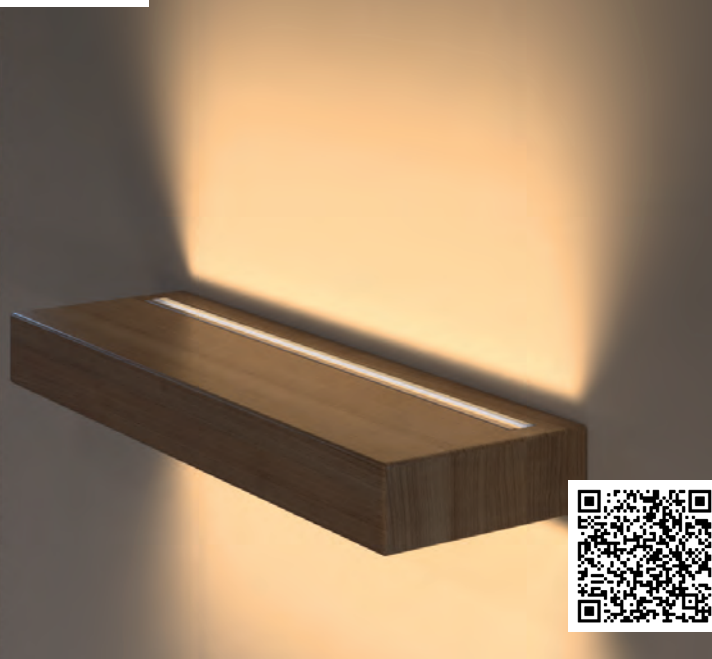
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

Channelline I		
Article	Order no. Clear cover	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 707 11	55 707 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 707 13	55 707 03
Aluminium / plastic profile 3000 mm	55 707 12	55 707 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 707 14	55 707 04
End cap (2 units per set)	25 563 01	25 563 01

### Dimensional drawing / installation





## ChannelLine G1

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With clear or opal cover

### Features

- ▶ Profile for combination with Versa lights
- ▶ Suitable for installation of 2 Versa Inside units, one emitting light at an angle and the other straight into the cabinet

### Examples of use

- ▶ Cabinet interior lighting
- ▶ Kitchen midway sections

### Ordering information

- ▶ Application image shows ChannelLine G1 with 2 x Versa Inside 120
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



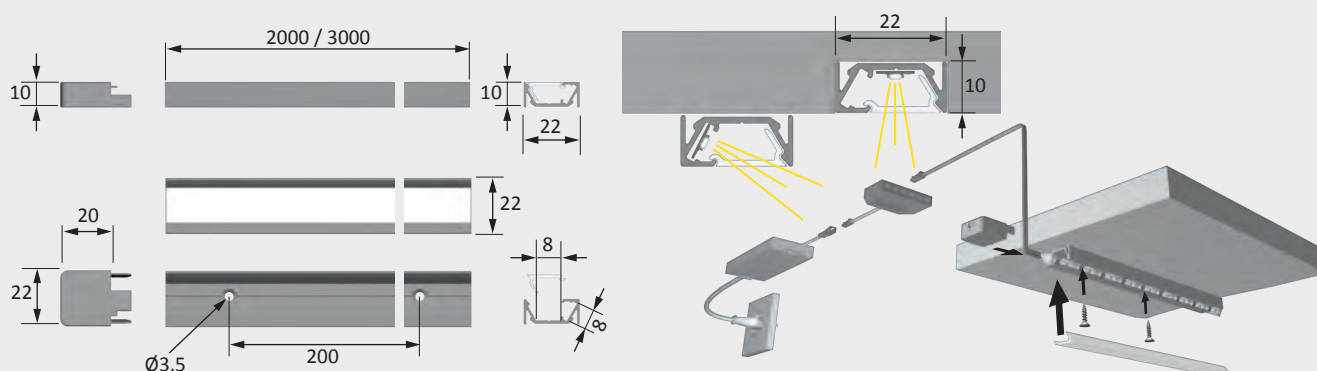
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120 (12 V only)

### ChannelLine G1

Article	Order no. Clear cover	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 704 11	55 704 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 704 13	55 704 03
Aluminium / plastic profile 3000 mm	55 704 12	55 704 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 704 14	55 704 04
End cap (2 units per set , left + right)	25 554 01	25 554 01

### Dimensional drawing / installation





## Channelline G2

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With clear or opal cover

### Features

- ▶ Profile for combination with Versa lights
- ▶ Suitable for installation of 2 Versa Inside units, one emitting light at an angle and the other straight into the cabinet
- ▶ With surface-mounted collar

### Examples of use

- ▶ Cabinet interior lighting
- ▶ Kitchen midway sections

### Ordering information

- ▶ Application image shows Channelline G2 with 1 x Versa Inside 120
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Channelline G2

Article	Order no. Clear cover	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 705 11	55 705 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 705 13	55 705 03
Aluminium / plastic profile 3000 mm	55 705 12	55 705 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 705 14	55 705 04
End cap (2 units per set , left + right)	25 556 01	25 556 01
Installation spring (2 units per set)	25 607 01	25 607 01

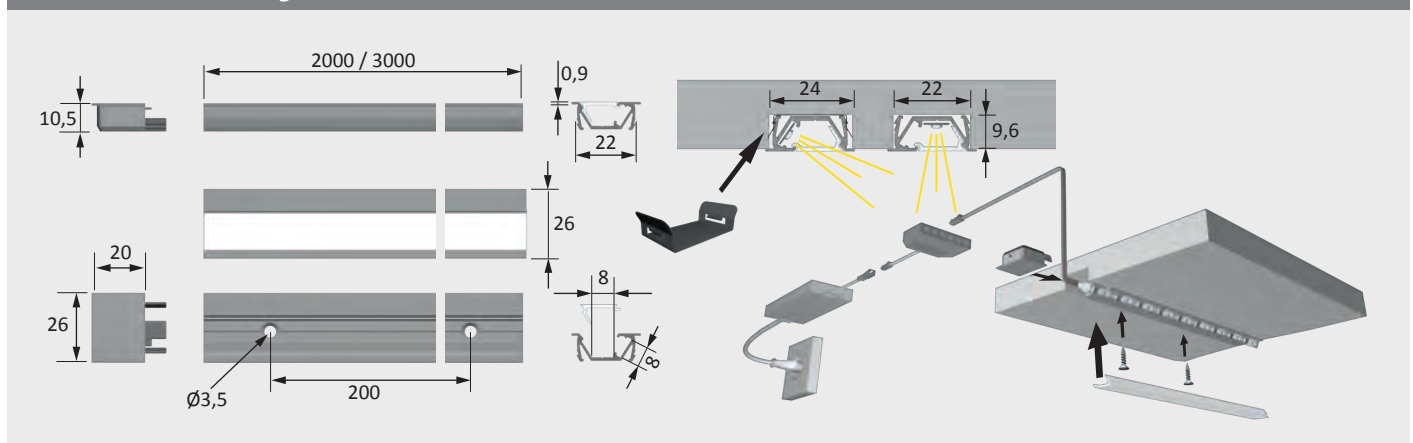
### Technical details in brief



### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120 (12 V only)

### Dimensional drawing / installation







## ChannelLine H

### Advantages

- ▶ Aluminium surface-mounted profile
- ▶ With opal (translucent) cover

### Features

- ▶ Profile for combination with one Versa light
- ▶ Cable can be fed from rear of light

### Examples of use

- ▶ Furniture corners
- ▶ Kitchen midway sections

### Ordering information

- ▶ Application image shows ChannelLine H with Versa Inside 120 HP
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



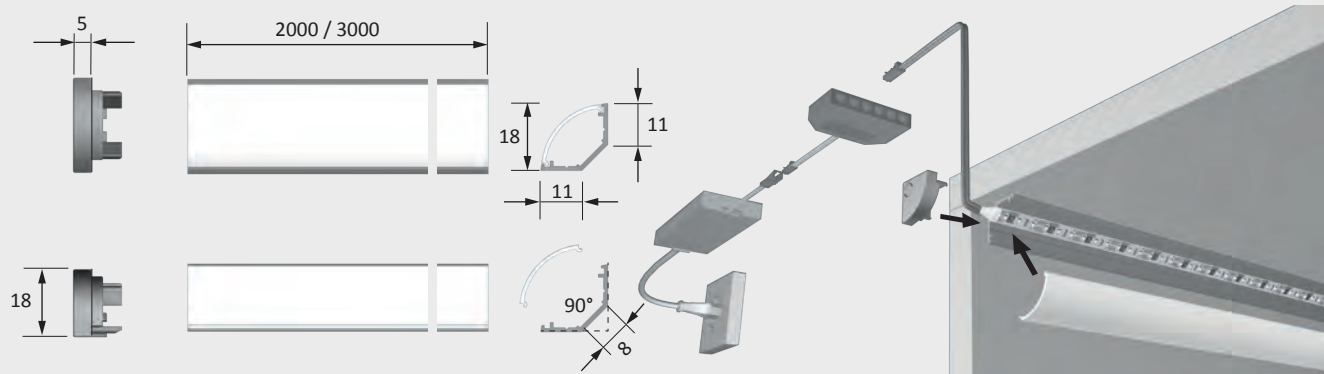
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120  
Versa Inside 120 HP

### ChannelLine H

Article	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 706 01
Aluminium / plastic profile 2000 mm (10 units per set)	55 706 03
Aluminium / plastic profile 3000 mm	55 706 02
Aluminium / plastic profile 3000 mm (10 units per set)	55 706 04
End cap (2 units per set)	25 559 01

### Dimensional drawing / installation





## Channelline J

### Advantages

- ▶ Aluminium recessed profiles
- ▶ With opal (translucent) cover

### Features

- ▶ Profile for combination with one Versa light
- ▶ Installation behind furniture base for indirect lighting of furniture backdrop
- ▶ When equipped with Versa Up&Down, the light is emitted at the top and the bottom

### Examples of use

- ▶ Furniture bases
- ▶ Furniture plinth

### Ordering information

- ▶ Application image shows Channelline J with Versa Up&Down
- ▶ LED ballasts and LED lights must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief

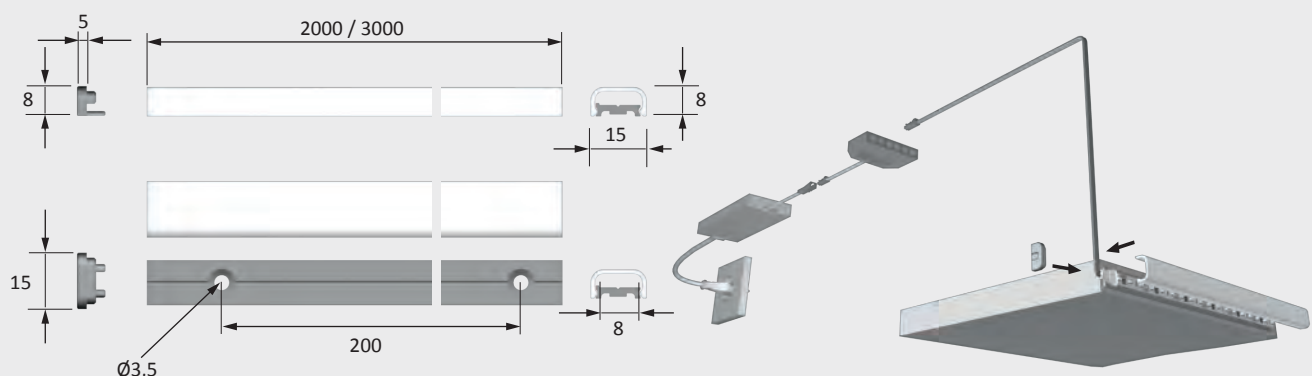


### Recommended for:

Versa Up&Down 60  
Versa SideView 60

Channelline J	
Article	Order no. Opal cover
Aluminium / plastic profile 2000 mm	55 715 11
Aluminium / plastic profile 2000 mm (10 units per set)	55 715 13
Aluminium / plastic profile 3000 mm	55 715 12
Aluminium / plastic profile 3000 mm (10 units per set)	55 715 14
End cap (2 units per set)	25 571 01

### Dimensional drawing / installation





## Channelline F

### Advantages

- Opal (translucent) plastic profile

### Features

- Profile for combination with one Versa light
- Caters for connectors inside profile

### Examples of use

- Furniture

### Ordering information

- Application image shows Channelline F with Versa Inside 60
- LED ballasts and LED lights must be ordered separately
- Sales unit: 1

### Technical details in brief



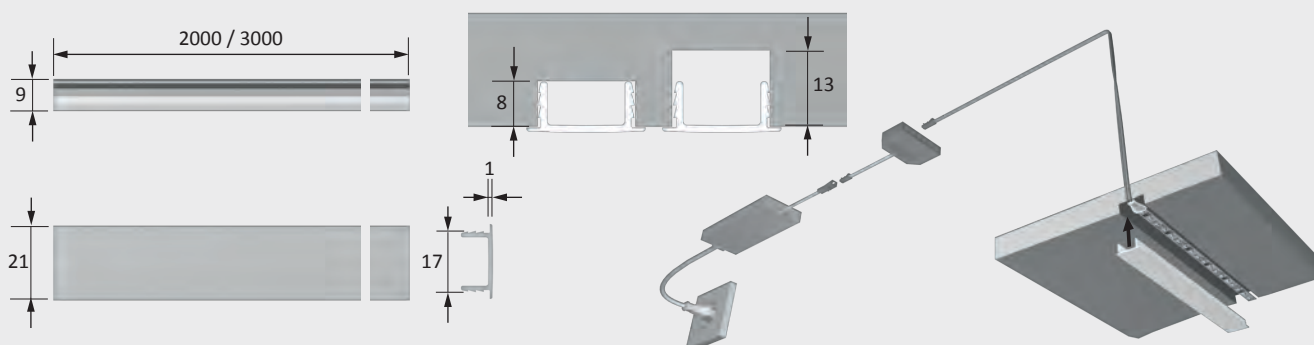
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### Channelline F

Article	Order no. Opal cover
Plastic profile 2000 mm	55 664 01
Plastic profile 3000 mm	55 664 02
Plastic profile 3000 mm (10 units per set)	55 641 13

### Dimensional drawing / installation







## ChannelLine sensor

### Advantages

- Switches and dims Versa lights at the touch of a button
- With built-in orientation LED

### Features

- Concealed installation in ChannelLine profile

### Examples of use

- For ChannelLine B, C and D




### Ordering information

- LED ballasts and LED lights must be ordered separately
- Sales unit: 1

### Technical details in brief



12 V 24 V  
MP

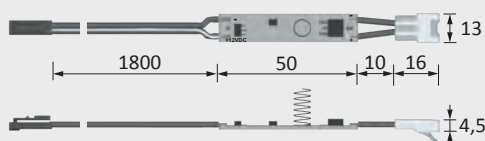
Can be used with: LED lights  
Operating voltage: 12 / 24 V DC  
Max. switching power: 36 W / 72 W  
Test marks and symbols:     
Supply lead: 1800 mm  
Standby: 0.5 W

### ChannelLine sensor

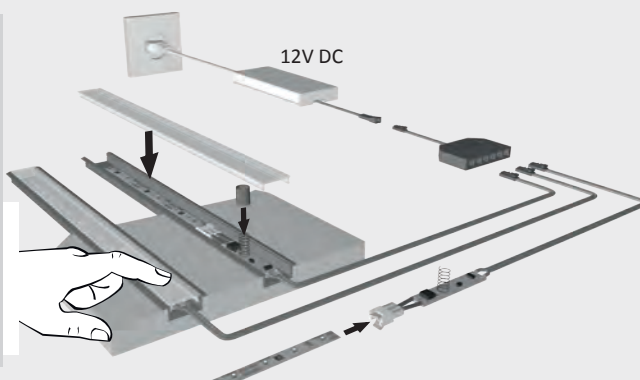
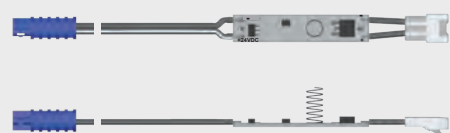
Article	Order no. Opal cover
ChannelLine sensor 12 V DC	36 242 01
ChannelLine sensor 24 V DC	36 243 01

### Dimensional drawing / installation

12V DC 36W



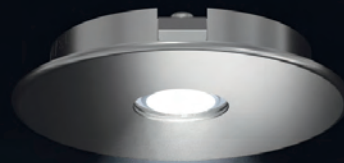
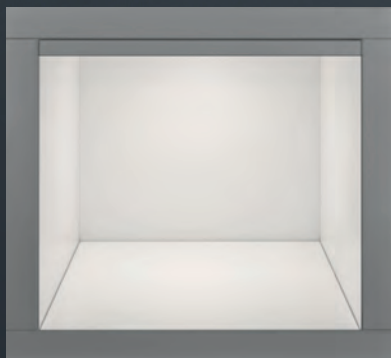
24V DC 72W





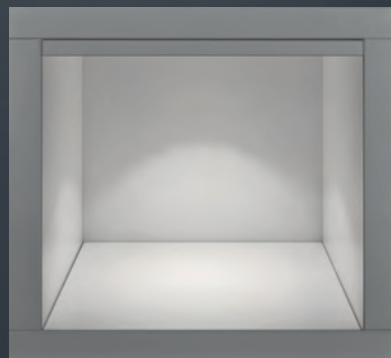
## Wide beam HV DownLite

The high-voltage DownLite LEDs brighten up your room – to the darkest corner.



## PowerLite like halogen

The light from the StarPoint casts a beautiful shadow on the rear wall of your furniture.





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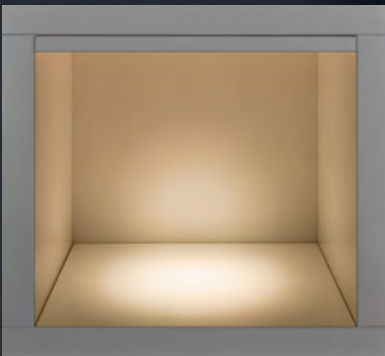
## Spotlights

Small yet full of lighting power.

Our spotlights are small in size yet big in performance, providing excellent lighting. Installed in ceilings or furniture, they produce beautiful accent, spot or focused light.

## Light spot with SuperDot

SuperDot provides the perfect stage for your most loved pieces: where light and dark meet.







## HV DownLite

### Advantages

- ▶ High-voltage LED light
- ▶ Dimmable with L/C type phase or reverse phase dimmers (home installation dimmers)

### Features

- ▶ Extremely high light output in relation to size
- ▶ Recessed light with 68 mm installed diameter

### Examples of use

- ▶ Large shelving units and display cabinets
- ▶ Ceiling lighting

### Ordering information

- ▶ Version with wire end ferrules must be installed by a qualified electrician
- ▶ Individual lights are supplied without cover ring
- ▶ Sales unit: 1




### Technical details in brief



Lamp type: LED recessed light  
Type of lighting: Functional lighting  
Surface finish: Stainless steel look / aluminium look / white

Operating voltage: 230-240 V AC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A+  
64 lm / W  
Life span: 30,000 h (L70)  
Power consumption: max. 5.5 W  
Dimmable: Yes (see ordering information)  
60°

Beam angle:  
Test marks and symbols:     
Protection rating: IP 44 (mounted)  
Installed diameter: 68 mm  
Supply lead: 2000 mm  
Plug connection: HV connector mHV2 / ADE

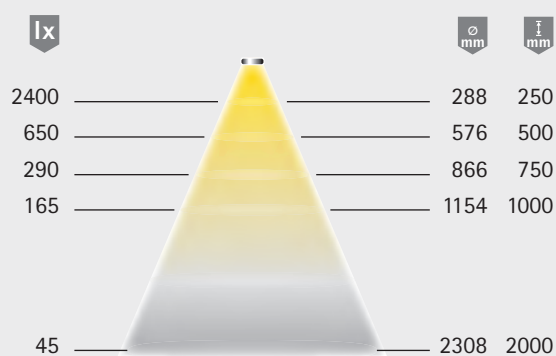
### HV DownLite

Article	Order no. Warm white	Order no. Neutral white
Individual light - mini HV plug-in system	32 238 16	32 238 06
Individual light - wire end ferrules	32 238 11	32 238 01

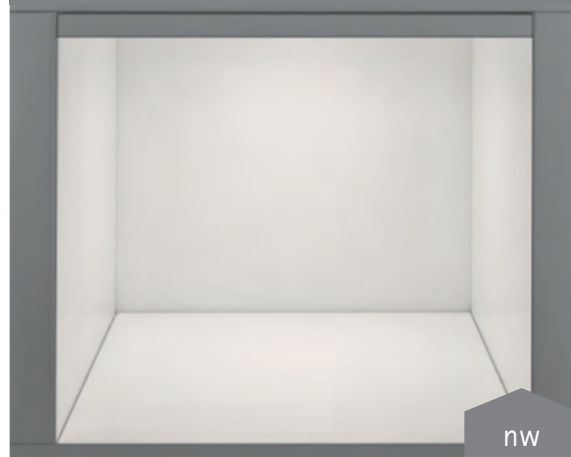
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
HV DownLite M cover ring 78 mm - aluminium look	25 399 06
HV DownLite M cover ring 78 mm - white	25 399 01
HV DownLite M cover ring 78 mm - stainless steel look	25 399 09
HV DownLite L cover ring 92 mm - aluminium look	25 395 06
HV DownLite L cover ring 92 mm - white	25 395 01
HV feeder with mHV2 plug-in system - white	36 322 01
HV extension cable with mHV2 plug-in system - white	36 321 01
HV 6-way distributor with mHV2 plug-in system - white	36 323 01

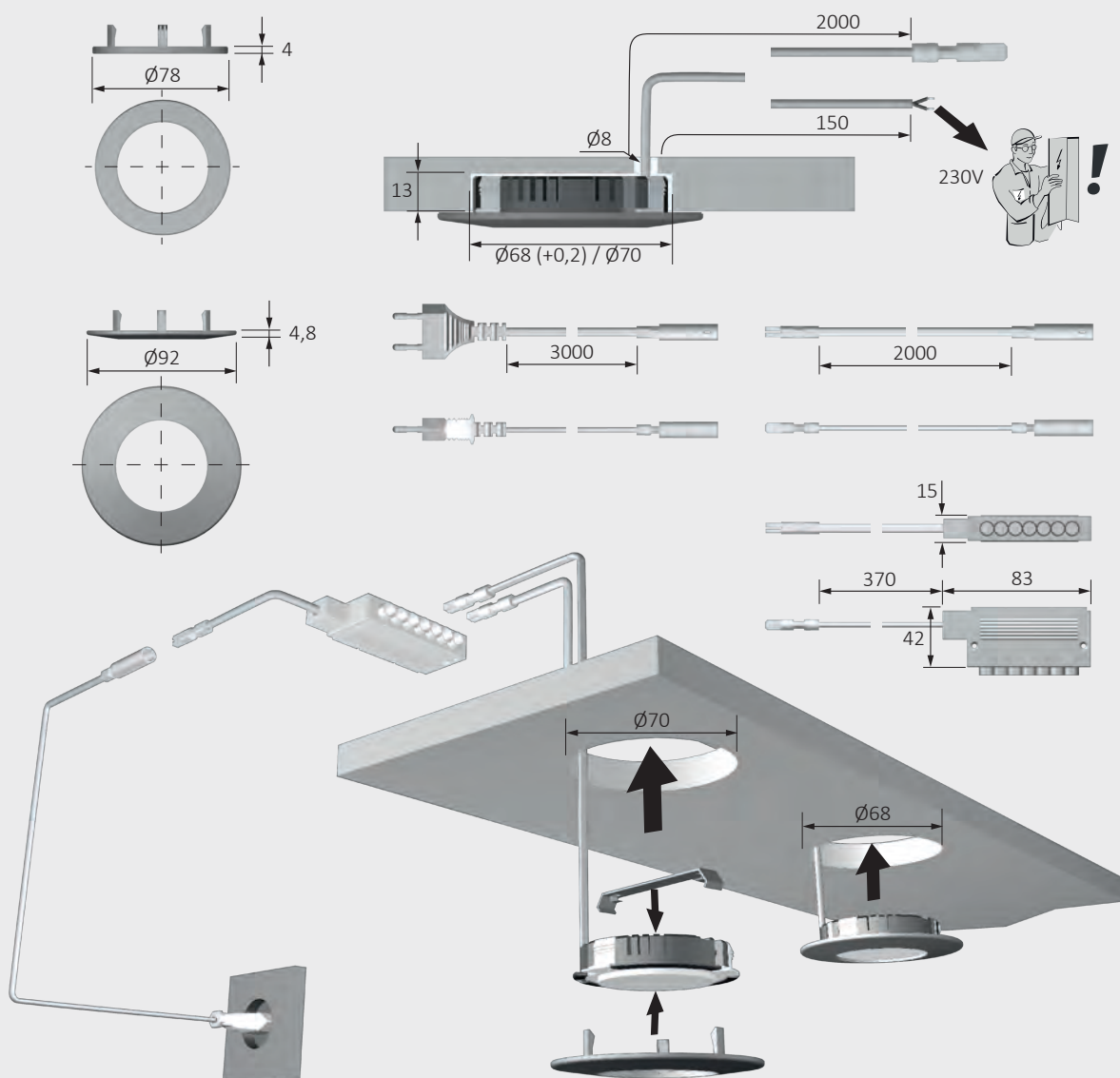
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## SuperSpot

### Advantages

- Powerful high-quality furniture and ceiling LED light
- Top-quality Galvano stainless steel finish

### Features

- Robust metal housing
- Plug-in connection on housing
- Reliable heat management for maximum light output

### Examples of use

- For recessing in ceiling
- Shop fittings
- Kitchen midway sections

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional lighting
Surface finish:	Stainless steel look / white
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
Life span:	66 lm / W
Power consumption:	30,000 h (L70)
Dimmable:	max. 6.8 W
Beam angle:	Yes
Test marks and symbols:	55°
Protection rating:	CE ⚡ ⚡ ⚡
Installed diameter:	IP 20
Supply lead:	78 mm
Plug connection:	3000 mm
Connection to:	LED mini M1 plug connection LED ballast

### SuperSpot

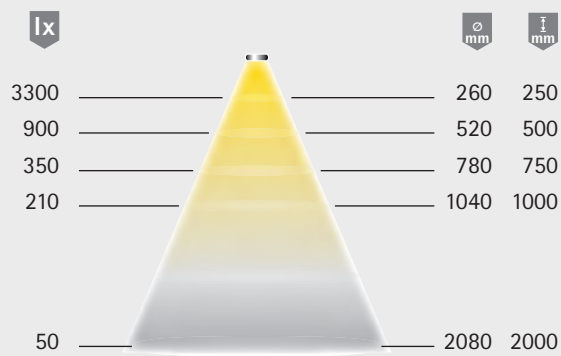
Article	Order no. Warm white	Order no. Neutral white
Stainless steel look	55 709 19	55 709 09
White	55 709 11	55 709 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Anti-glare ring in stainless steel look	36 209 09
Anti-glare ring in white	36 209 01
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01



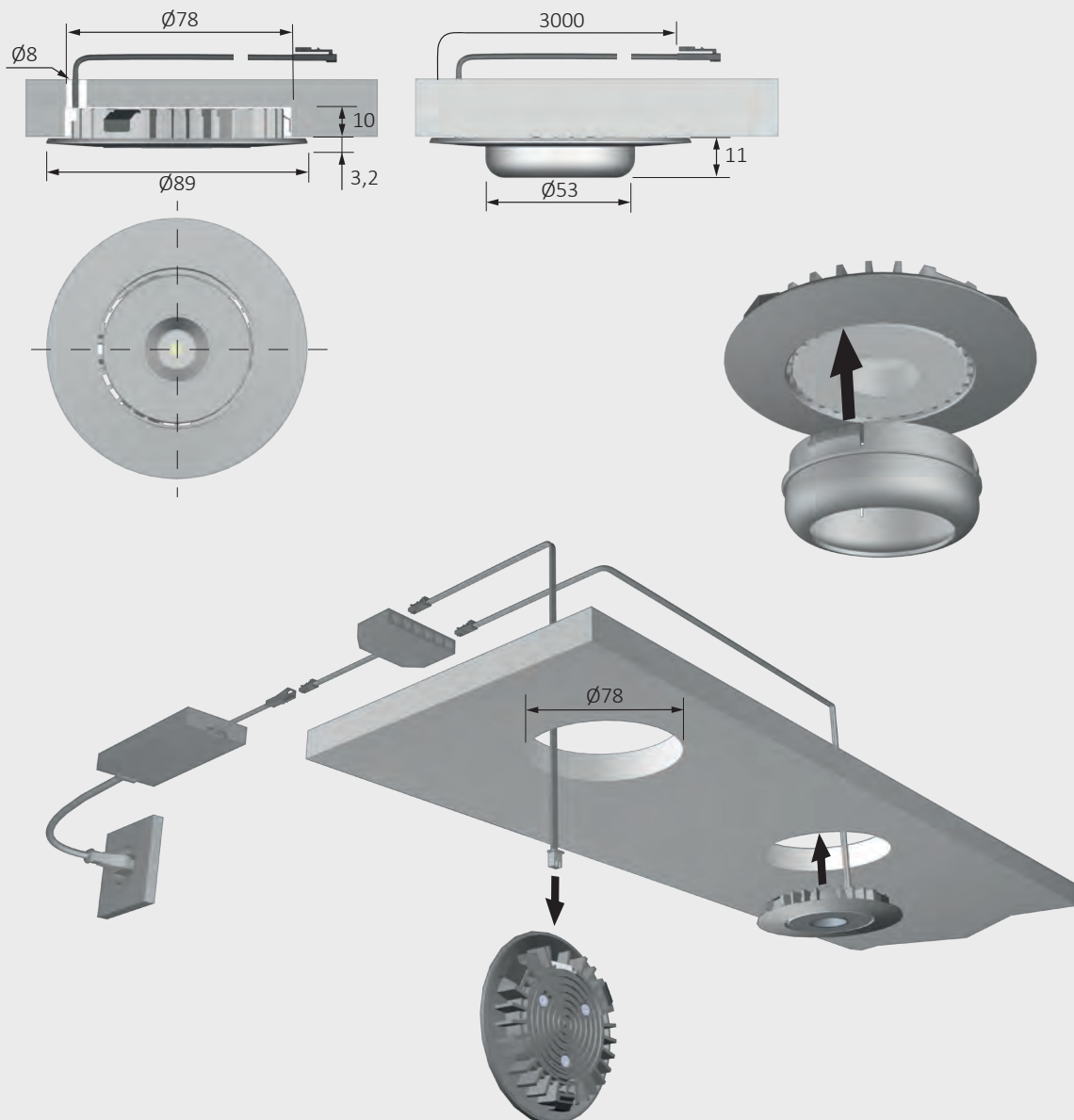
Light distribution diagram / 55°



Light box



Dimensional drawing / installation





## SuperSpot eco

### Advantages

- Powerful furniture LED light

### Features

- Robust metal housing
- Plug-in connection on housing
- Reliable heat management for maximum light output

### Examples of use

- Shelves
- Kitchen midway sections

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



Lamp type: LED recessed light  
Type of lighting: Functional lighting  
Surface finish: Stainless steel look  
Operating voltage: 12 V DC  
Light colour: MultiWhite / warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A

Life span: 50 lm / W  
Power consumption: 30,000 h (L70)  
Dimmable: max. 4.2 W  
Beam angle: Yes  
50°

Test marks and symbols:     
Protection rating: IP 20  
Installed diameter: 78 mm  
Supply lead: 3000 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

### SuperSpot eco

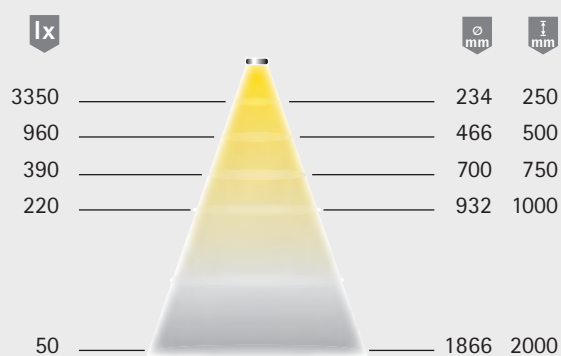
Article	Order no. MultiWhite*	Order no. Warm white	Order no. Neutral white
Stainless steel look	32 031 39*	32 031 19	32 031 09

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Anti-glare ring in stainless steel look	36 209 09
Anti-glare ring in white	36 209 01
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

\* for MultiWhite accessories, see chapter "Switch systems"

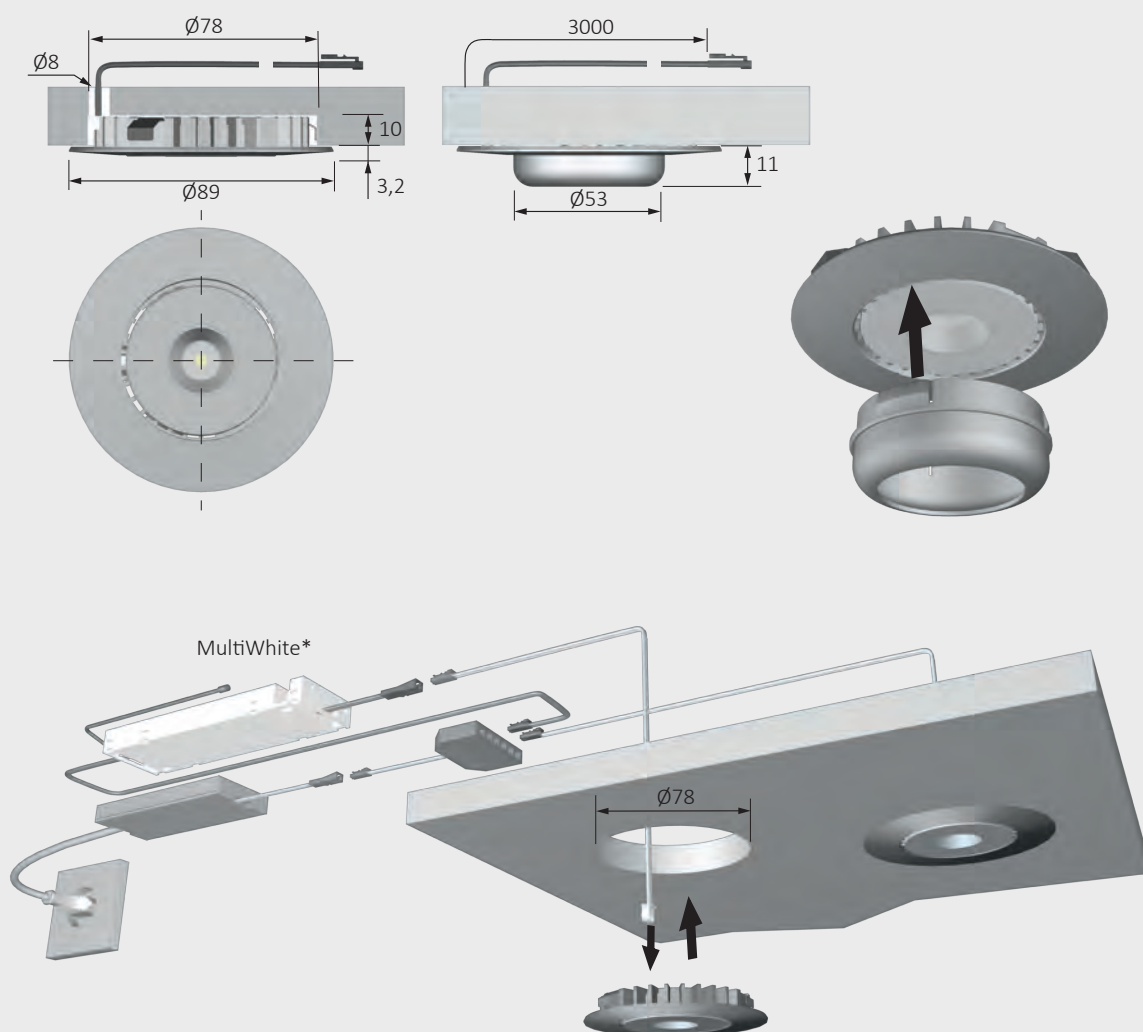
## Light distribution diagram / 50°



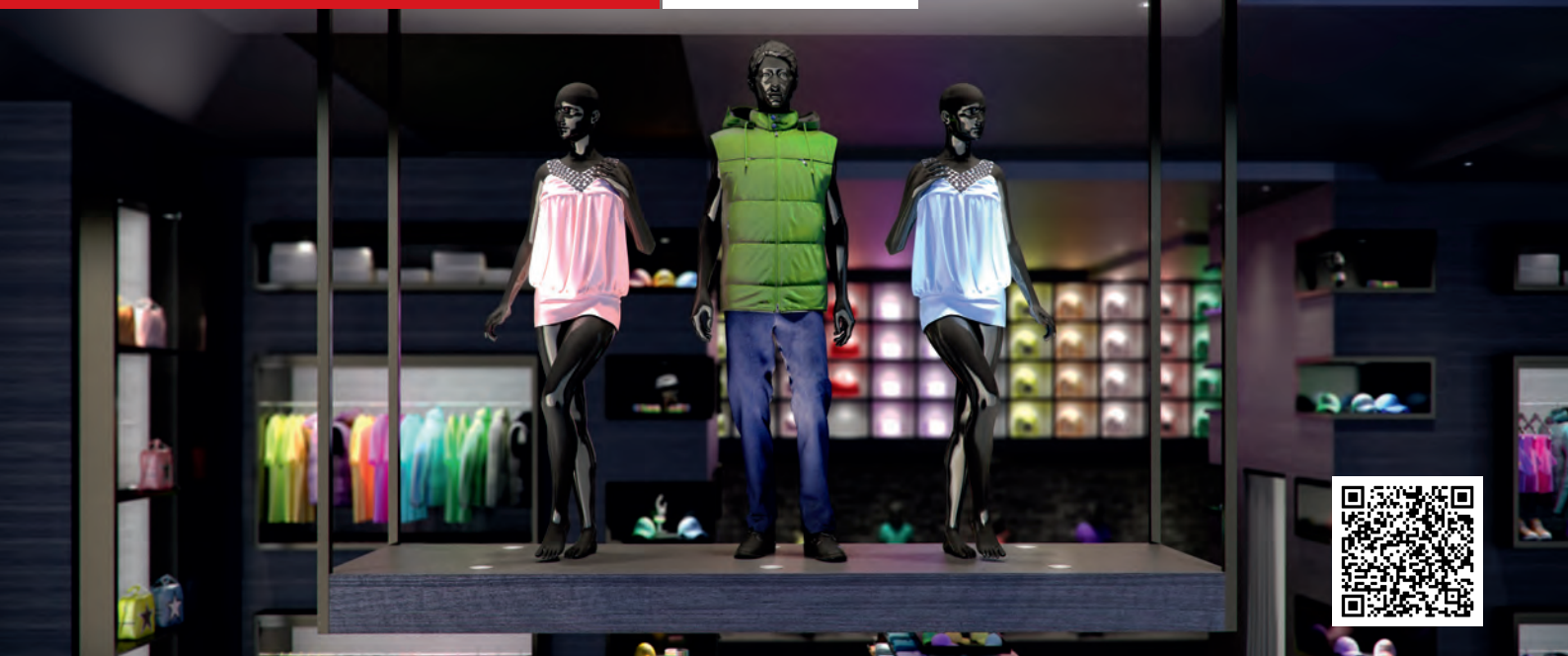
## Light box



## Dimensional drawing / installation







## SuperSwing

### Advantages

- ▶ Extremely bright
- ▶ Swivelling

### Features

- ▶ Adjustable light cone
- ▶ Focusable light

### Examples of use

- ▶ For recessing in ceiling
- ▶ Shop fittings

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



12 V

### SuperSpot eco

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	55 710 16	55 710 06
White	55 710 11	55 710 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

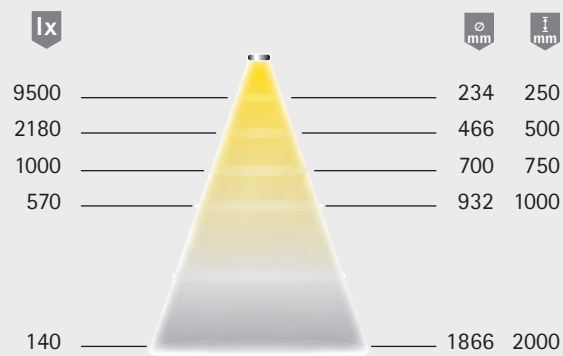
Lamp type: LED recessed light  
Type of lighting: Functional lighting  
Surface finish: Aluminium look / white  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A+

Life span: 80 lm / W  
Power consumption: 30,000 h (L70)  
Dimmable: max. 6.8 W  
Beam angle: Yes  
Test marks and symbols: 30-50°

Protection rating: IP 20  
Installed diameter: 68 mm  
Supply lead: 150 mm  
Plug connection: LED mini  
Connection to: M1 plug connection  
LED ballast

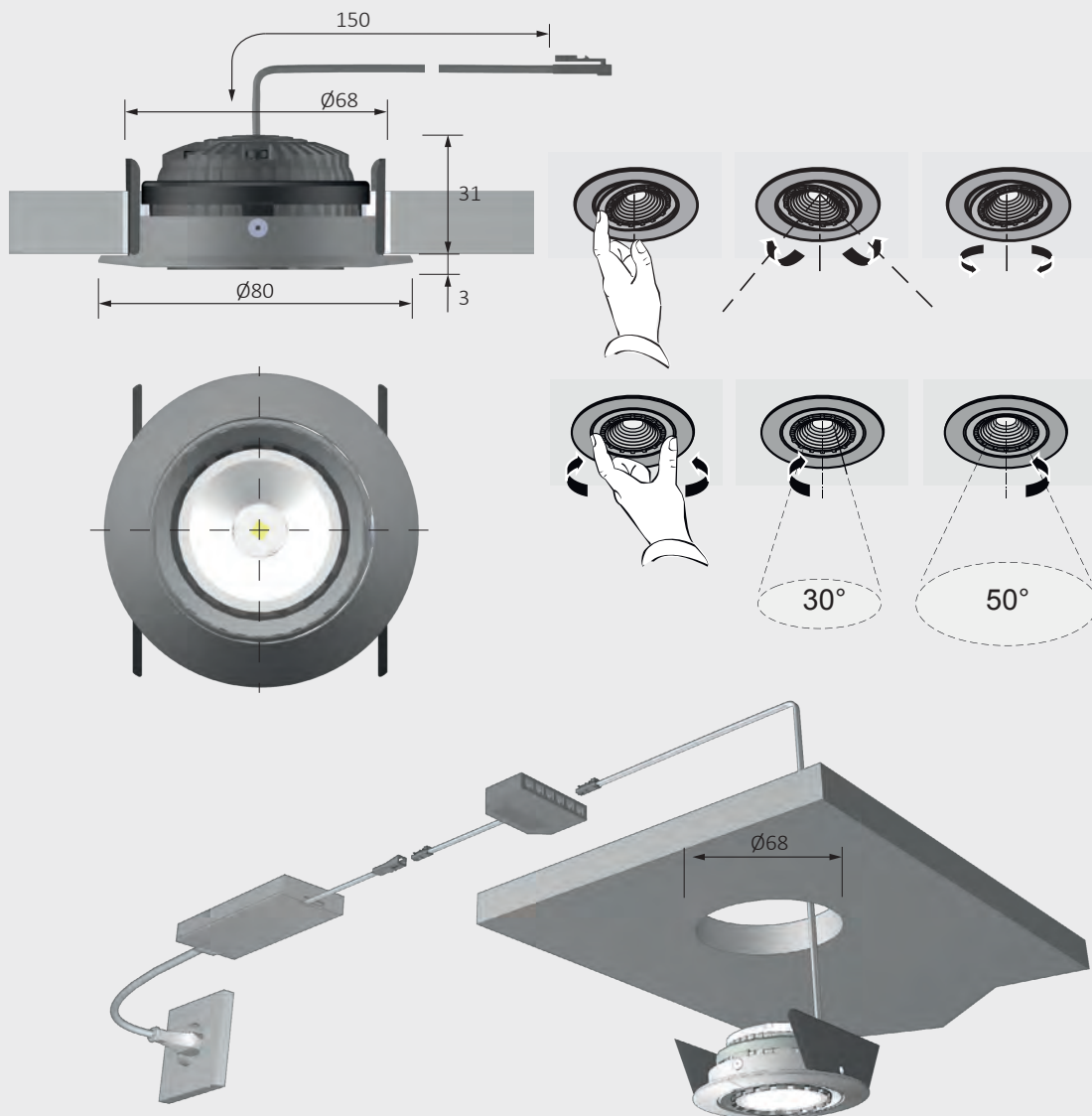
## Light distribution diagram / 50°



## Light box



## Dimensional drawing / installation





## Swing

### Advantages

- ▶ Multiple award-winning design lamp
- ▶ Swivelling
- ▶ Evenly illuminated area

### Features

- ▶ Recessed light with 68 mm installed diameter
- ▶ Designed to match S-Flat and MiniFlat lights

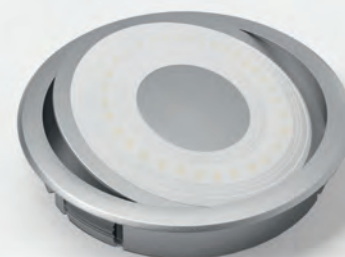
### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

### Swing

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 903 11	32 903 01

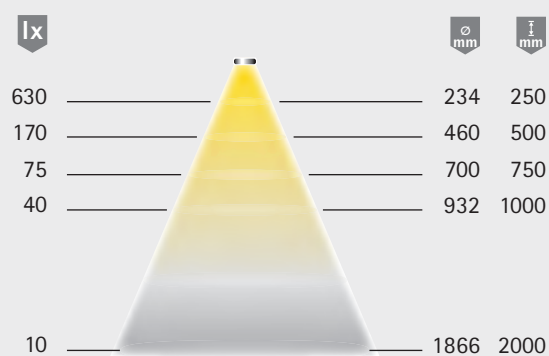
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Surface-mounted housing	36 151 06
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

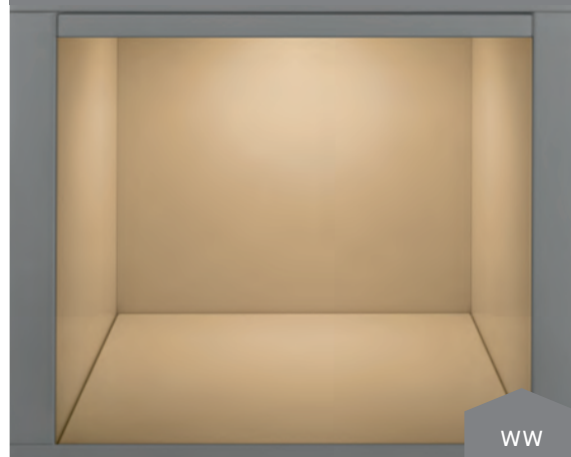
Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 90
Energy efficiency:	A
	45 lm/W
Life span:	30,000 h (L70)
Power consumption:	2.5 W
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE ⬡ ▽ ▽
Protection rating:	IP 20
Installed diameter:	68 mm
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast



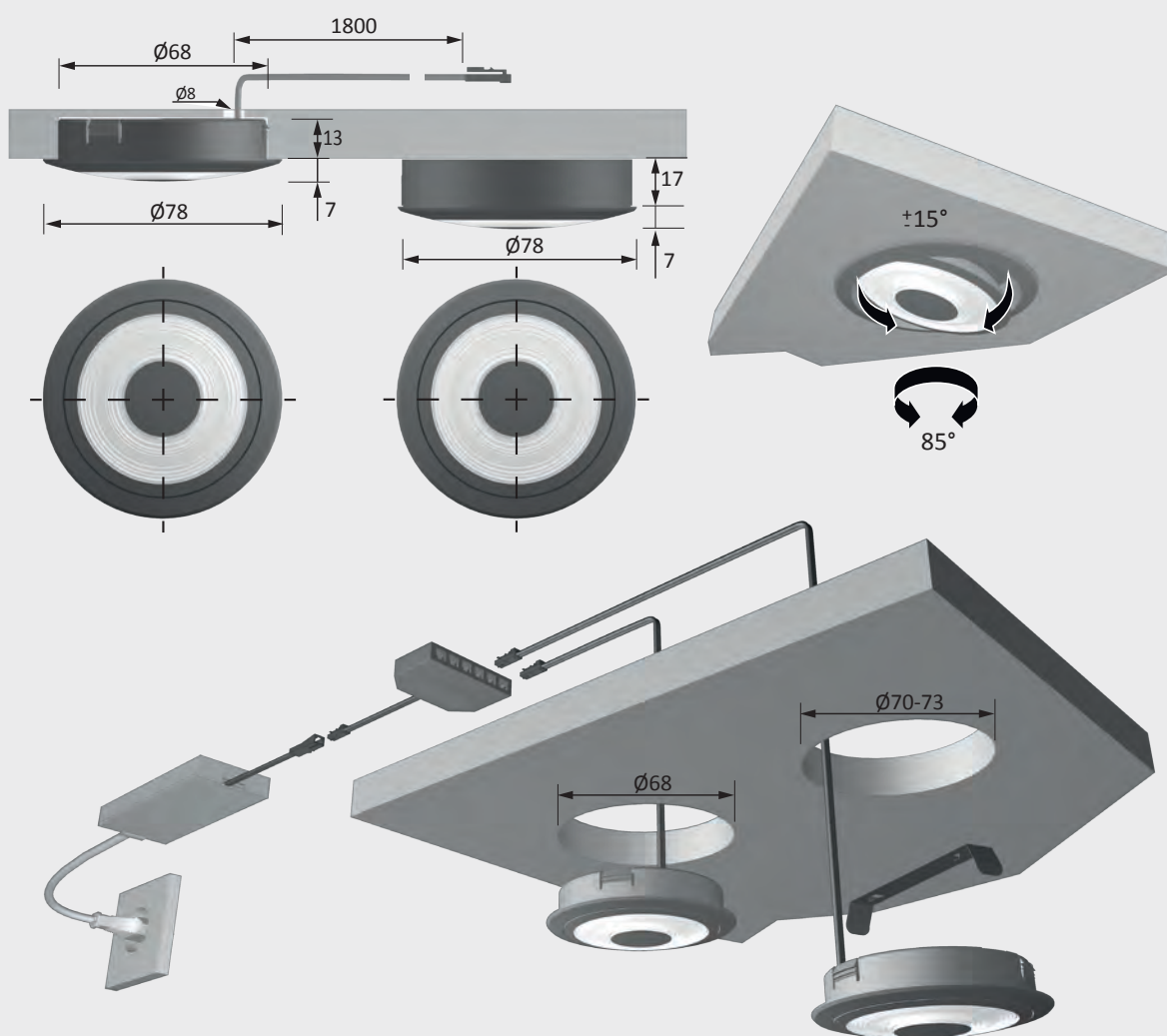
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## S-Flat

### Advantages

- Designer light
- Evenly illuminated area

### Features

- Recessed light with 68 mm installed diameter
- Designed to match Swing and MiniFlat lights

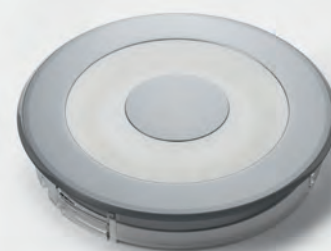
### Examples of use

- Shelves
- Display cabinets

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



**12 V**

### S-Flat

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 918 16	32 918 06

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Surface-mounted housing	36 151 06
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

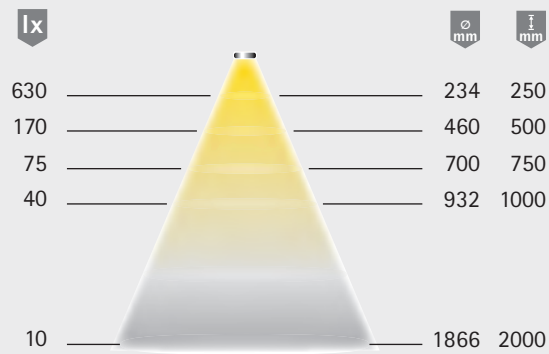
Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting  
Surface finish: Aluminium look  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 90  
Energy efficiency: A

Life span: 45 lm/W  
Power consumption: 30,000 h (L70)  
Dimmable: 2.5 W  
Beam angle: Yes  
60°

Test marks and symbols:     
Protection rating: IP 20  
Installed diameter: 68 mm  
Supply lead: 1800 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

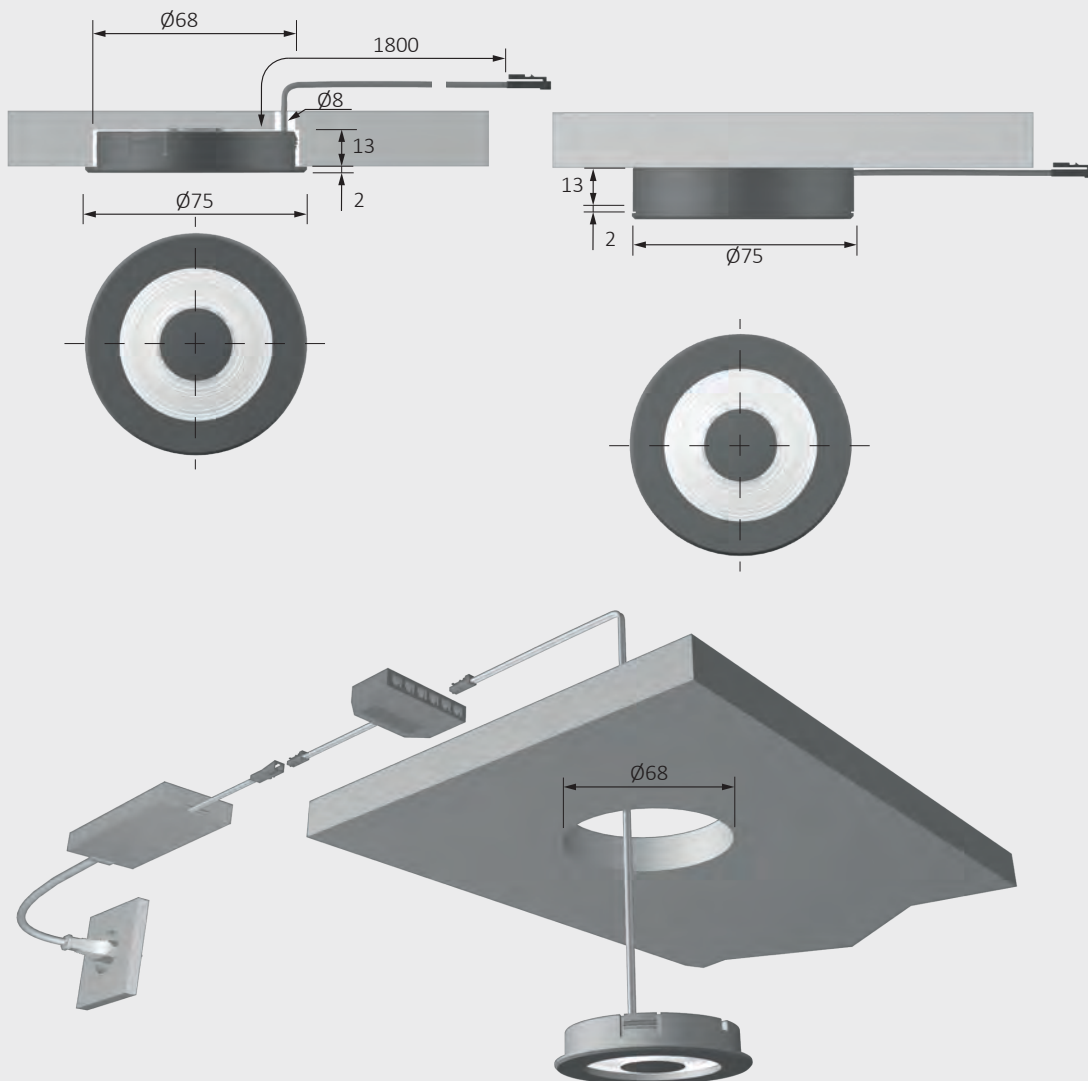
Light distribution diagram / 60°



Light box



Dimensional drawing / installation







## MiniFlat Plus

### Advantages

- Designer light
- Evenly illuminated area

### Features

- Recessed light with 56 mm installed diameter
- Designed to match Swing and S-Flat lights
- Powerful successor of MiniFlat light

### Examples of use

- Shelves
- Display cabinets
- Niches

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief






**12 V**

Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting  
Surface finish: Aluminium look  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A+  
65 lm/W

Life span: 30,000 h (L70)  
Power consumption: 3.5 W  
Dimmable: Yes  
Beam angle: 60°

Test marks and symbols:      
Protection rating: IP 20  
Installed diameter: 54-56 mm  
Supply lead: 2000 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

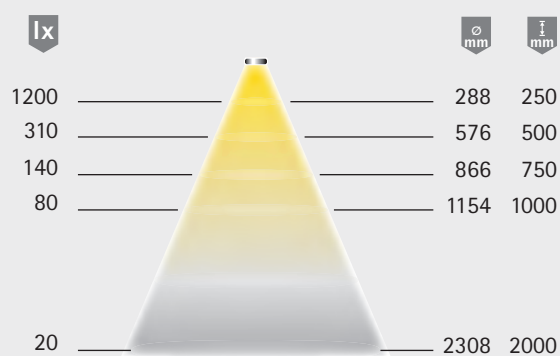
### MiniFlat Plus

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 151 16	32 151 06

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

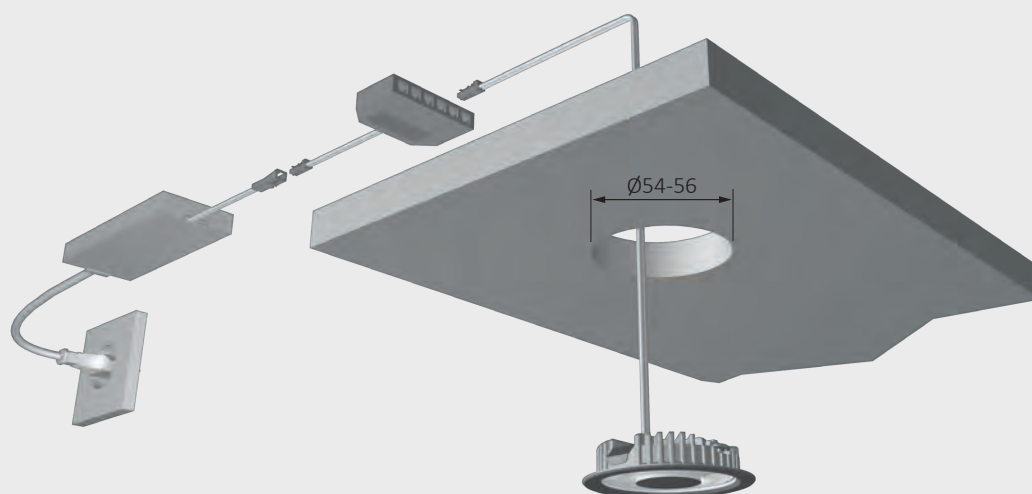
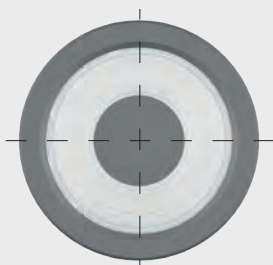
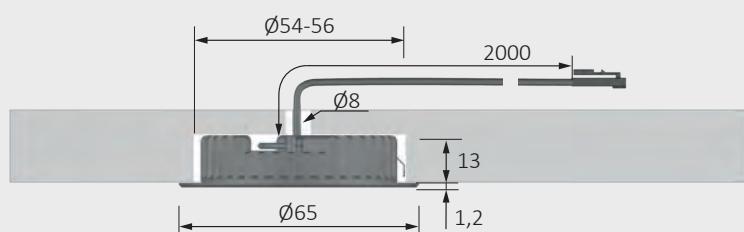
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## PowerLite Plus

### Advantages

- ▶ Cone of light like halogen spot
- ▶ High-quality metal housing

### Features

- ▶ Recessed light with 58 mm installed diameter
- ▶ High light output in relation to size
- ▶ Plug-in connection on housing

### Examples of use

- ▶ Shelves
- ▶ Display cabinets
- ▶ Niches

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Stainless steel look /
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 85
Energy efficiency:	A
Life span:	45 lm/W
Power consumption:	30,000 h (L70)
Dimmable:	3.5 W
Beam angle:	Yes
Test marks and symbols:	50°
Protection rating:	CE ⚡ ⚡ ⚡
Installed diameter:	IP 44
Supply lead:	56-58 mm
Plug connection:	3000 mm
Connection to:	LED mini
	M1 plug connection
	LED ballast

### PowerLite Plus

Article	Order no. MultiWhite*	Order no. Warm white	Order no. Neutral white
Stainless steel look	32 063 31*	32 063 19	32 063 09

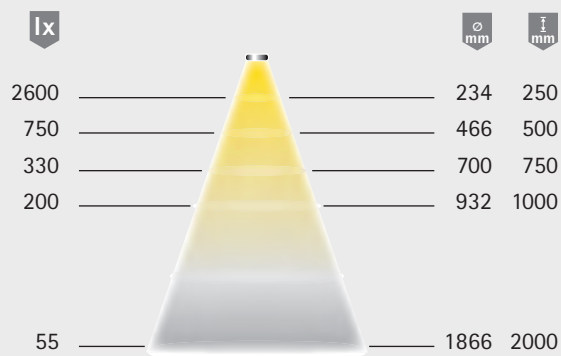
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Connection box in stainless steel look	36 997 09
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

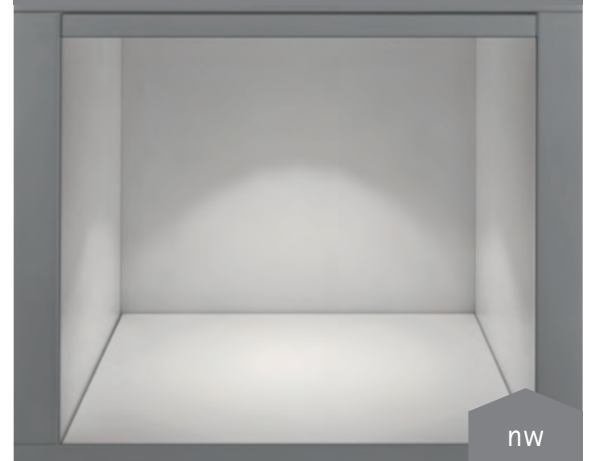
\* for MultiWhite accessories, see chapter "Switch systems"



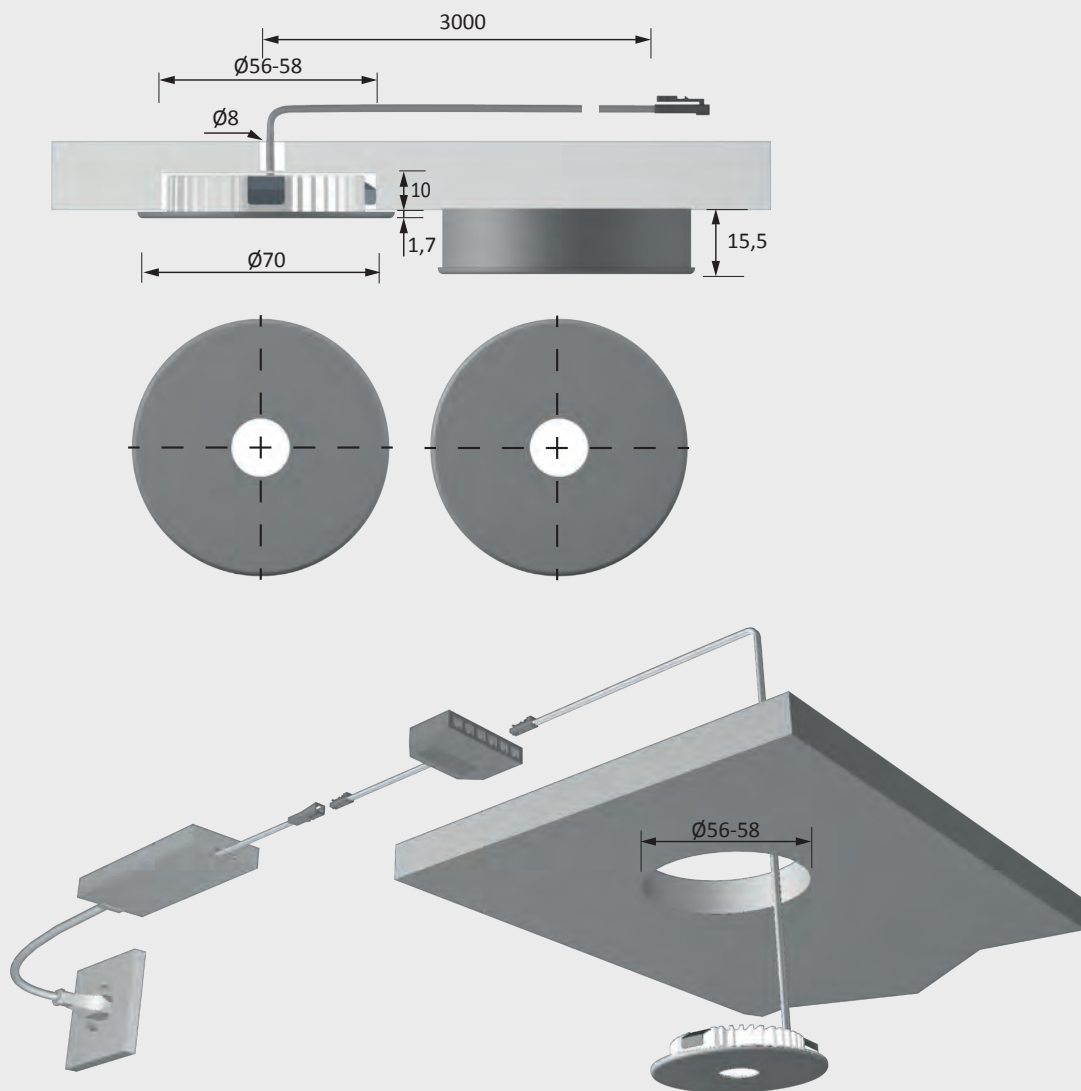
## Light distribution diagram / 50°



## Light box



## Dimensional drawing / installation





## MultiLite Flood

### Advantages

- ▶ Designer light
- ▶ Evenly illuminated area

### Features

- ▶ High light output in relation to size
- ▶ Plug-in connection on housing
- ▶ Recessed light with 58 mm installed diameter

### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ Individual lights are supplied without cover ring
- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look / chrome
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	85
Energy efficiency:	A
	50 lm/W
Life span:	30,000 h (L70)
Power consumption:	4 W
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE, diamond, triangle, square
Protection rating:	IP 44
Installed diameter:	58 mm
Supply lead:	2000 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

### MultiLite Flood

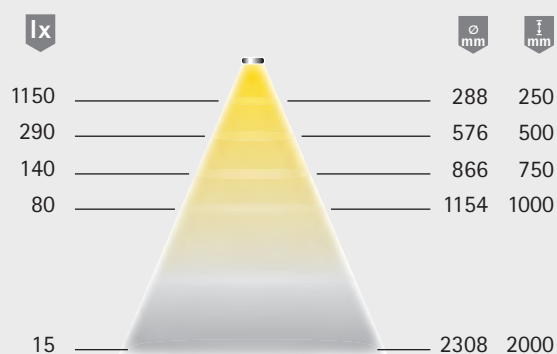
Article	Order no. MultiWhite*	Order no. Warm white	Order no. Neutral white
Individual light	32 066 31*	32 150 11	32 150 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Cover ring – aluminium look	25 175 26
Cover ring – chrome, matte	25 175 16
Cover ring – stainless steel look	25 175 09
Cover ring – gold look	25 175 04
Cover ring – bronzed	25 175 02
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

\* for MultiWhite accessories, see chapter "Switch systems"

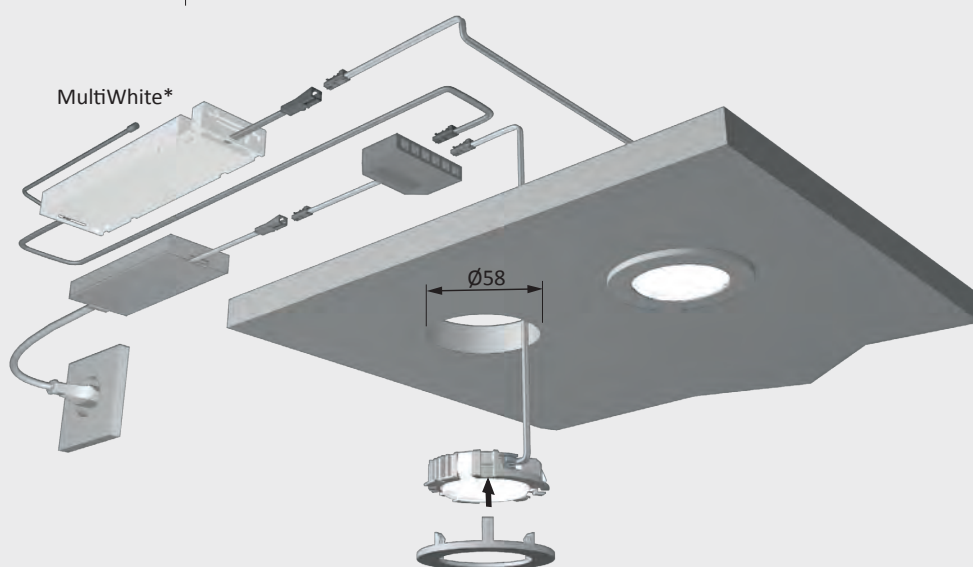
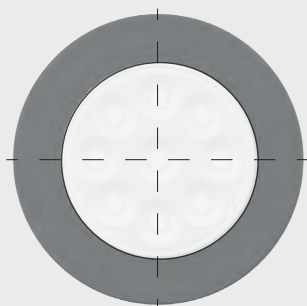
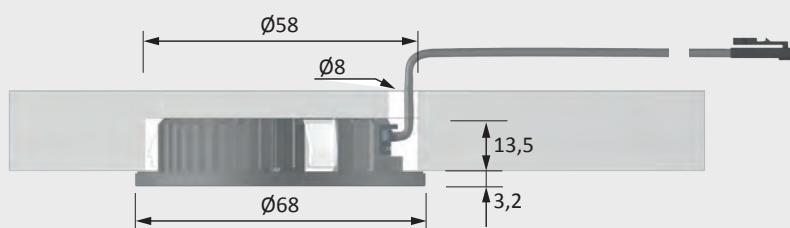
Light distribution diagram / 60°



Light box



Dimensional drawing / installation







## Sign Plus

### Advantages

- ▶ Classic model
- ▶ Lamp in retro design

### Features

- ▶ Wide beam angle
- ▶ Shadow-free illumination
- ▶ Recessed light with 68 mm installed diameter

### Examples of use

- ▶ Flat shelves

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

## Technical details in brief



**12 V**

Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting  
Surface finish: Aluminium look  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 85  
Energy efficiency: A+

Life span: 30,000 h (L70)  
Power consumption: 2.3 W  
Dimmable: Yes  
Beam angle: 45°

Test marks and symbols:      
Protection rating: IP 44  
Installed diameter: 68 mm  
Supply lead: 1800 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

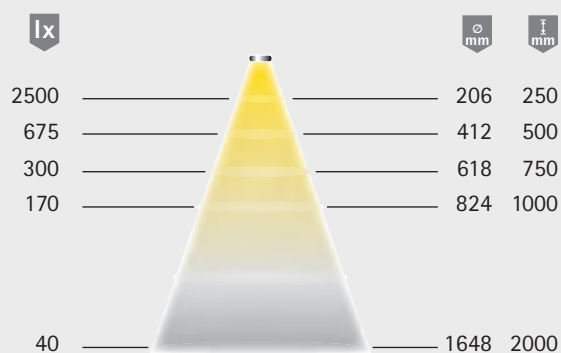
### Sign Plus

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 977 16	32 977 06

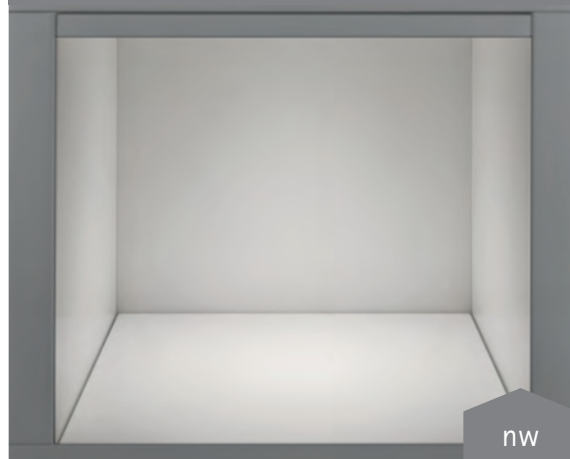
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Surface-mounted housing	36 151 06
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

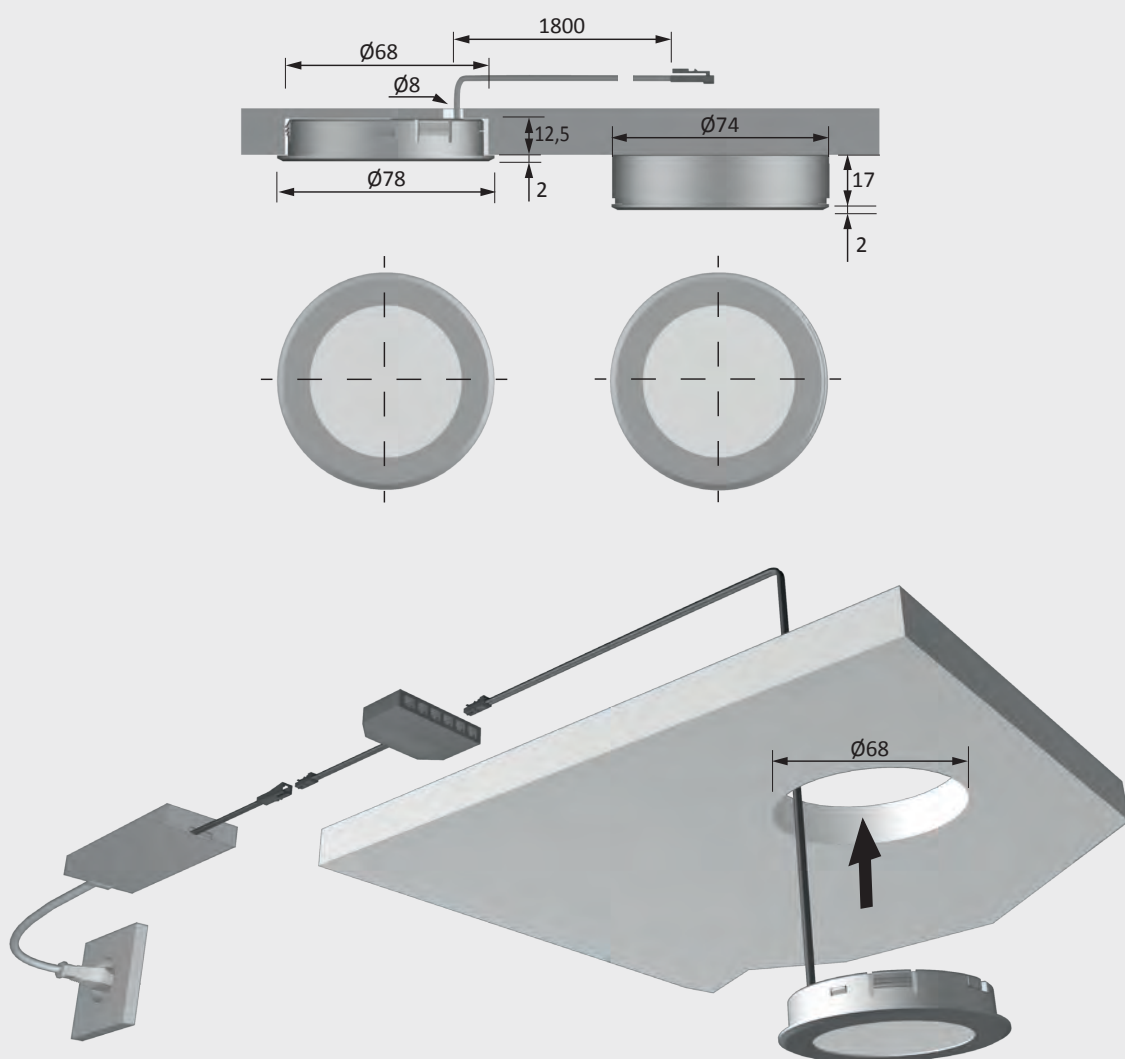
## Light distribution diagram / 45°



## Light box



## Dimensional drawing / installation





## Sign Plus square

### Advantages

- ▶ Classic model
- ▶ Lamp in retro design

### Features

- ▶ Wide beam angle
- ▶ Shadow-free illumination
- ▶ Recessed light with 68 mm installed diameter

### Examples of use

- ▶ Flat shelves

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 85
Energy efficiency:	A+ 67 lm/W
Life span:	30,000 h (L70)
Power consumption:	2.3 W
Dimmable:	Yes
Beam angle:	45°
Test marks and symbols:	CE ⬡ ⚡ ⚡
Protection rating:	IP 44
Installed diameter:	68 mm
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

### Sign Plus square

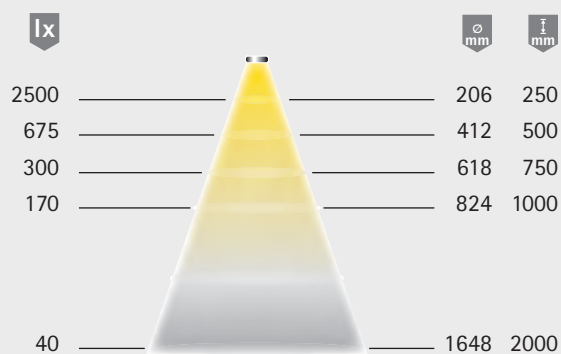
Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 978 16	32 978 06

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

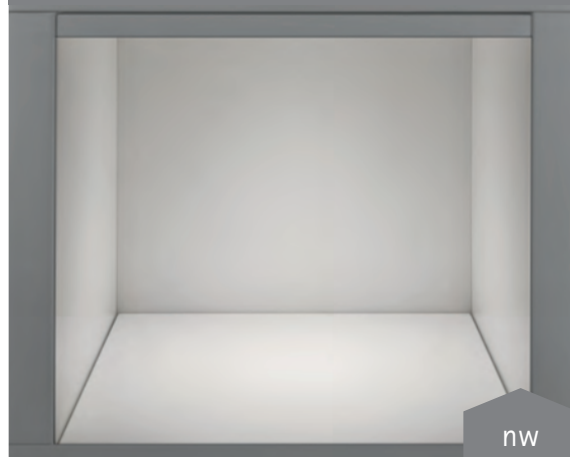
Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01



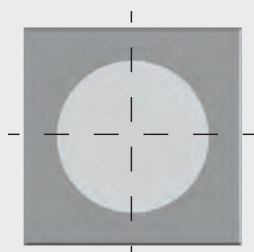
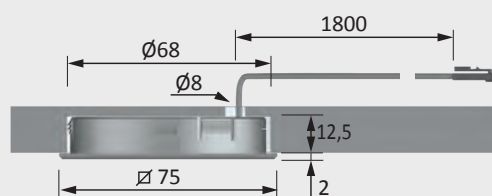
## Light distribution diagram / 45°



## Light box



## Dimensional drawing / installation





## EcoPower L

### Advantages

- ▶ Entry-level recessed spotlight
- ▶ Compact light

### Features

- ▶ Recessed light with 68 mm installed diameter

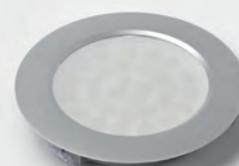
### Examples of use

- ▶ Shelves
- ▶ Display cabinets
- ▶ Niches

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting

Surface finish: Aluminium look / stainless steel look

Operating voltage: 12 V DC

Light colour: Warm white / neutral white / MultiWhite

Colour rendering index CRI: > 80




Energy efficiency: A+  
72 lm/W

Life span: 30,000 h (L70)

Power consumption: 3.2 W

Dimmable: Yes

Beam angle: 60°

Test marks and symbols:   

Protection rating: IP 44

Installed diameter: 68 mm

Supply lead: 1800 mm

Plug connection: LED mini

Connection to: M1 plug connection LED ballast

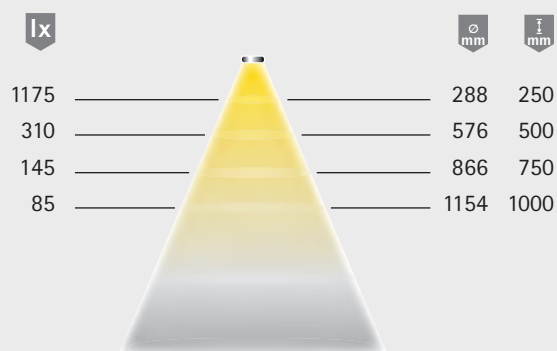
### EcoPower L

Article	Order no. MultiWhite*	Order no. Warm white	Order no. Neutral white
Aluminium look	32 144 36*	32 144 16	32 144 06
Stainless steel look	32 144 39*	32 144 19	32 144 09

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Surface-mounted housing in aluminium look	36 236 06
Surface-mounted housing in stainless steel look	36 236 09
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

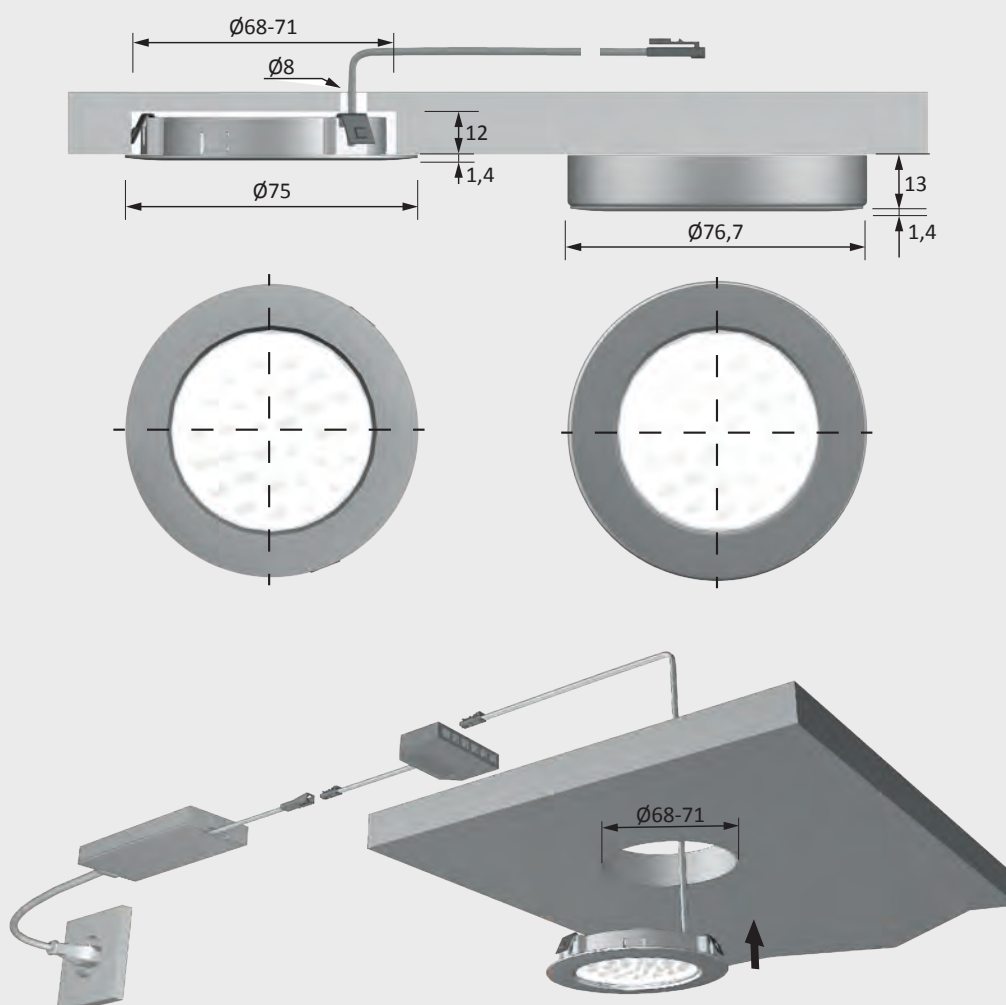
## Light distribution diagram / 60°



## Light box



## Dimensional drawing / installation







## EcoPower Flood

### Advantages

- ▶ Entry-level recessed spotlight
- ▶ Compact light
- ▶ Evenly illuminated area

### Features

- ▶ Recessed light with 58 mm installed diameter

### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:  
Type of lighting:

Surface finish:

Operating voltage:  
Light colour:

Colour rendering  
index CRI:  
Energy efficiency:

Life span:  
Power consumption:  
Dimmable:  
Beam angle:

Test marks and  
symbols:  
Protection rating:  
Installed diameter:  
Supply lead:  
Plug connection:

Connection to:

LED recessed light  
Functional /  
accent lighting  
Aluminium look /  
stainless steel look  
12 V DC  
Warm white /  
neutral white  
> 80  
A++  
88 lm/W  
30,000 h (L70)  
1.7 W  
Yes  
60°  
CE, diamond, triangle, square  
IP 44  
58 – 61 mm  
2000 mm  
LED mini  
M1 plug connection  
LED ballast

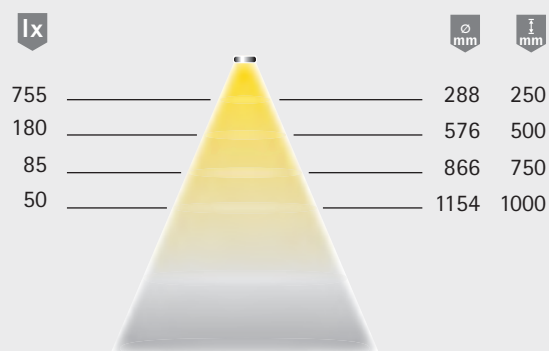
### EcoPower Flood

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 341 16	32 341 06
Stainless steel look	32 341 19	32 341 09

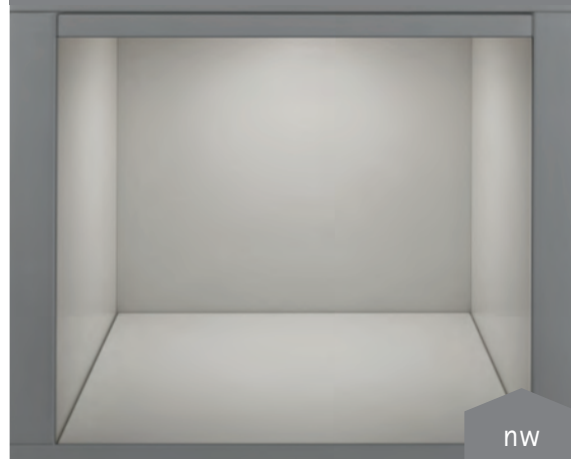
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Surface-mounted housing in aluminium look	36 240 06
Surface-mounted housing in stainless steel look	36 240 09
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

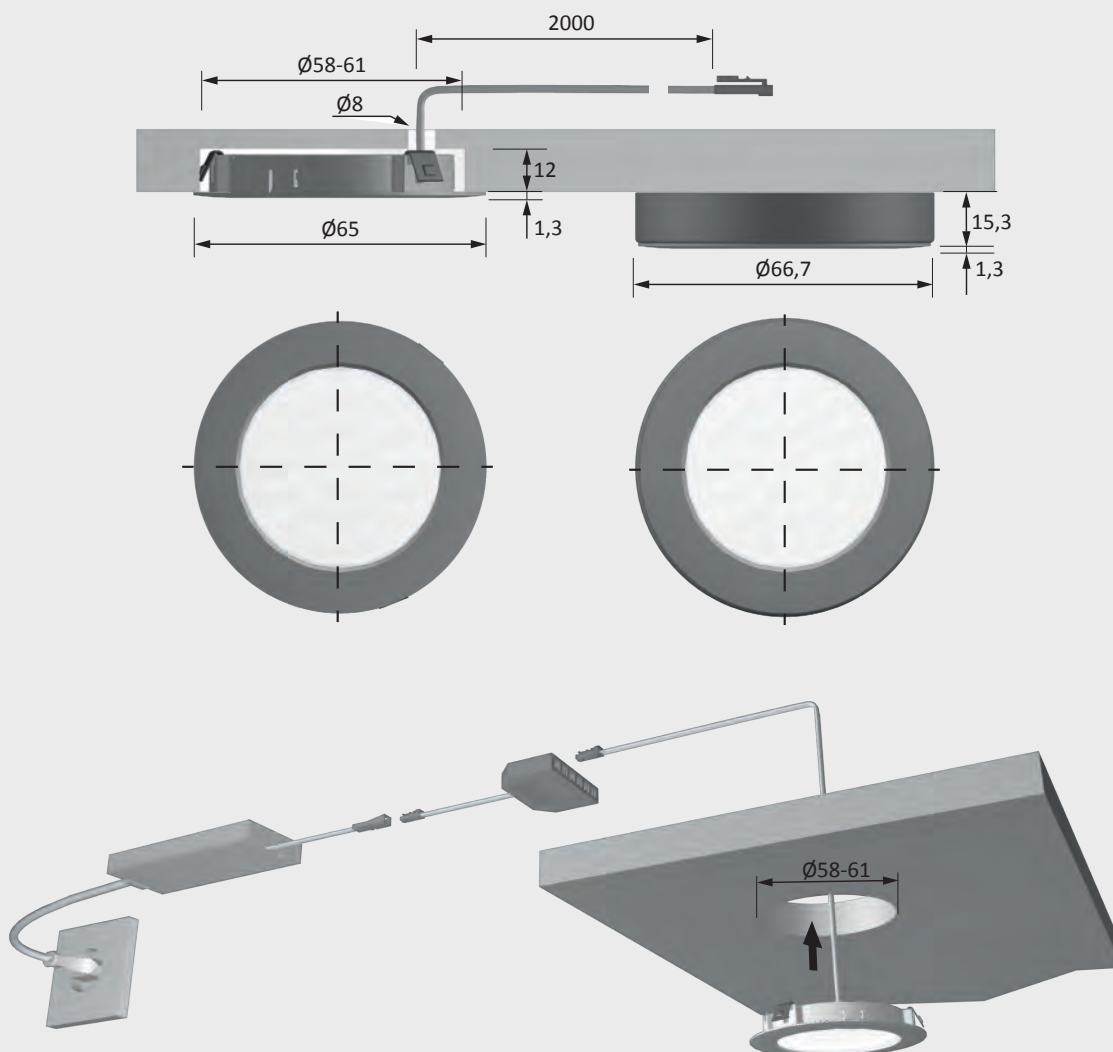
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## Eco Spot

### Advantages

- ▶ Entry-level recessed spotlight
- ▶ Compact light
- ▶ Evenly illuminated area

### Features

- ▶ Recessed light with 58 mm installed diameter

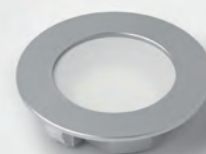
### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

## Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look / Stainless steel look
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A++
Life span:	87 lm/W
Power consumption:	30,000 h (L70)
Dimmable:	1.5 W
Beam angle:	Yes
Test marks and symbols:	60°
Protection rating:	CE, diamond, triangle, square
Installed diameter:	IP 20
Supply lead:	58 mm
Plug connection:	1800 mm
Connection to:	LED mini M1 plug connection LED ballast

## Eco Spot

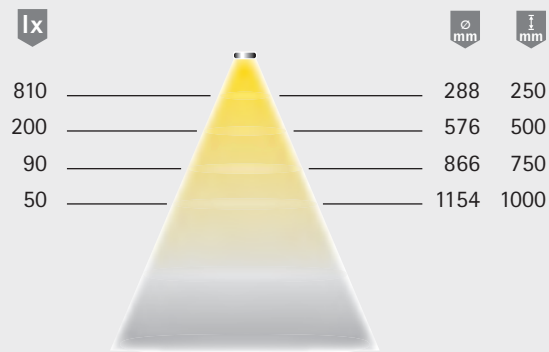
Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 153 16	32 153 06
Aluminium look (10 units per set)	32 153 66	32 153 56
Stainless steel look	32 153 19	32 153 09
Stainless steel look (10 units per set)	32 153 69	32 153 59

## Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

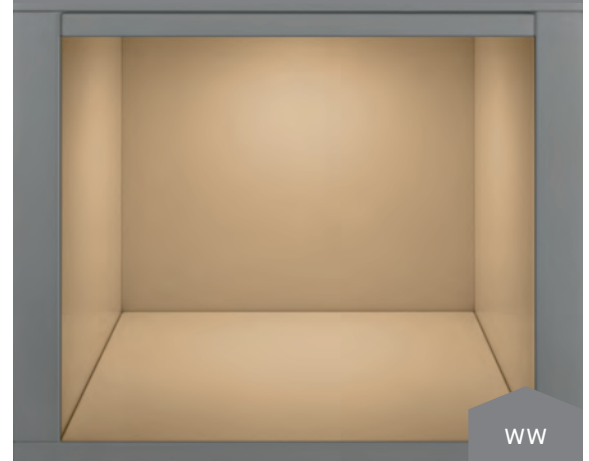
Article	Order no.
Surface-mounted housing in aluminium look	36 244 06
Surface-mounted housing in stainless steel look	36 244 09
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01



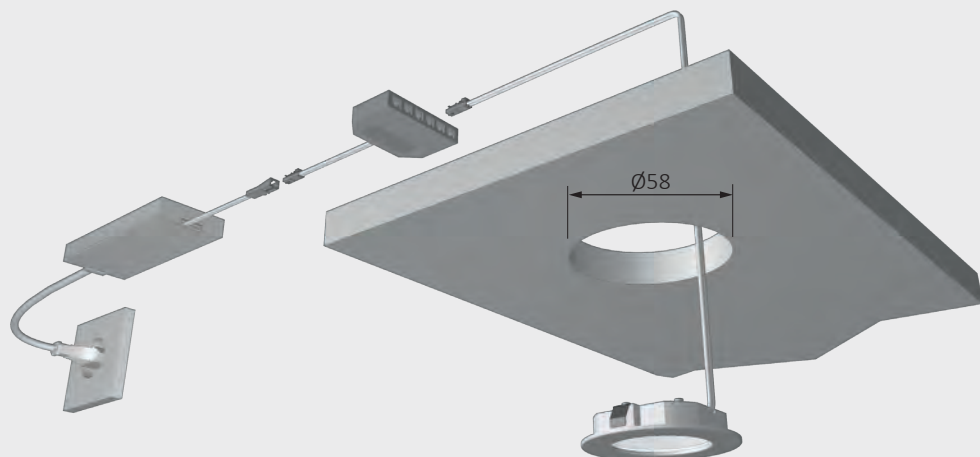
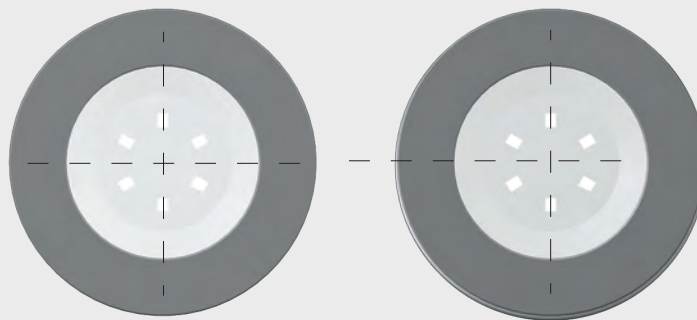
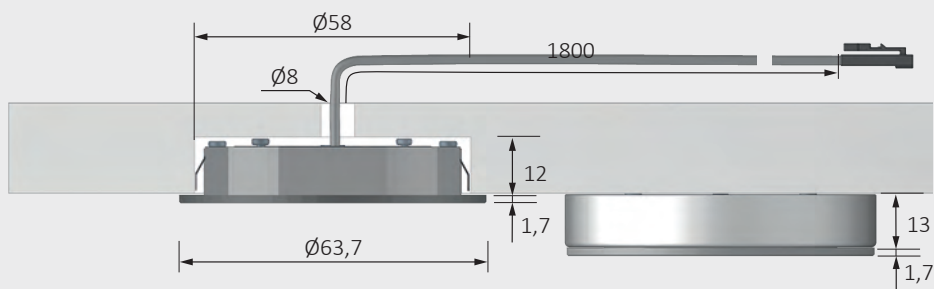
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## Point

### Advantages

- ▶ Compact light
- ▶ Evenly illuminated area
- ▶ Replaces a matte-finished 10 W halogen light

### Features

- ▶ Especially warm tone
- ▶ Recessed light with 58 mm installed diameter

### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Extra warm white
Colour rendering index CRI:	> 80
Energy efficiency:	A
	52 lm/W
Life span:	30,000 h (L70)
Power consumption:	2.7 W
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE ⚡ ⚡
Protection rating:	IP 44
Installed diameter:	55-58 mm
Supply lead:	1000 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

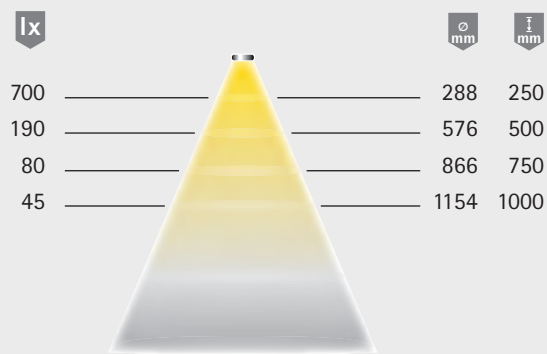
### Point

Article	Order no.
Aluminium look	32 962 17

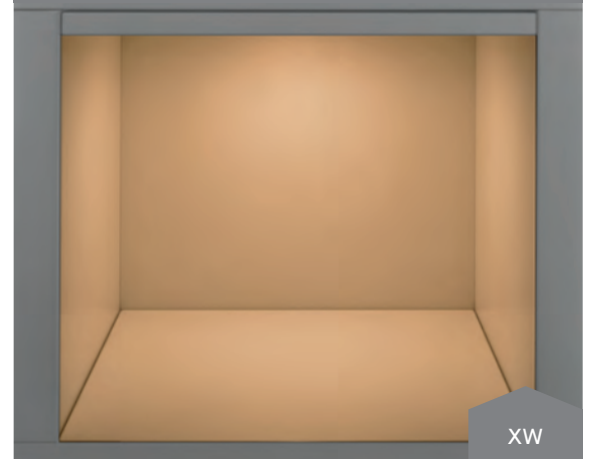
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

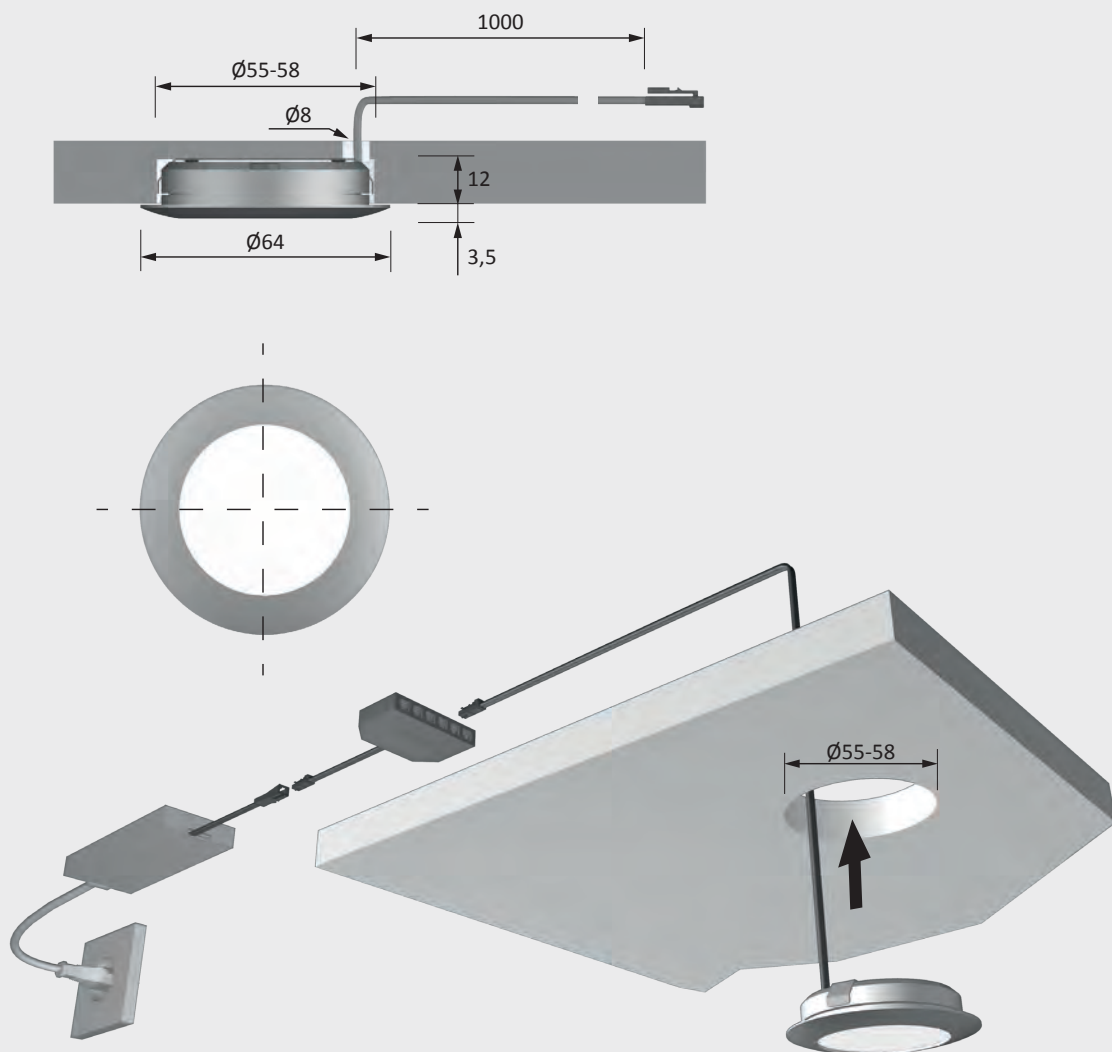
## Light distribution diagram / 60°



## Light box



## Dimensional drawing / installation







## PowerSquare

### Advantages

- ▶ High-quality aluminium profile light
- ▶ Integrated cable channel
- ▶ Concealed fixture

### Features

- ▶ Easy to retrofit
- ▶ For over- and under-cabinet lighting

### Examples of use

- ▶ Shelves, display cabinets
- ▶ Compartments
- ▶ Niches

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED surface-mounted light
Type of lighting:	Functional / accent lighting
Surface finish:	Stainless steel look / aluminium
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 90
Energy efficiency:	A++ 70 lm/W
Life span:	30,000 h (L70)
Power consumption:	1.8 W
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE ◇ ▼ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

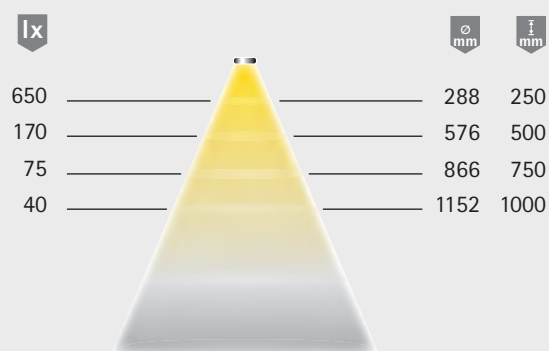
### PowerSquare

Article	Order no. Warm white	Order no. Neutral white
Stainless steel look	34 203 17	34 203 07
Aluminium	34 203 16	34 203 06

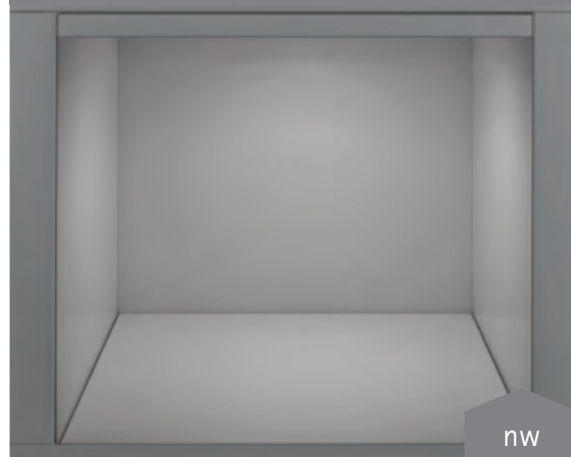
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

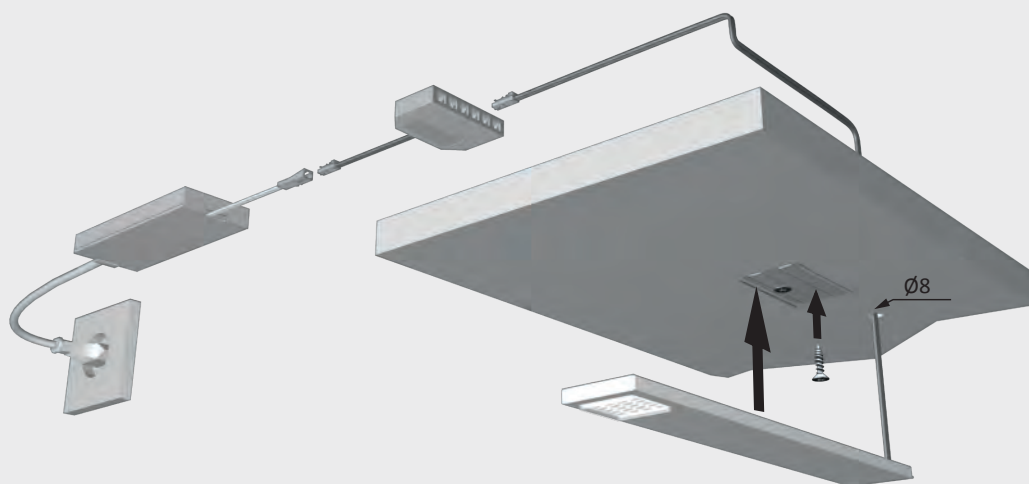
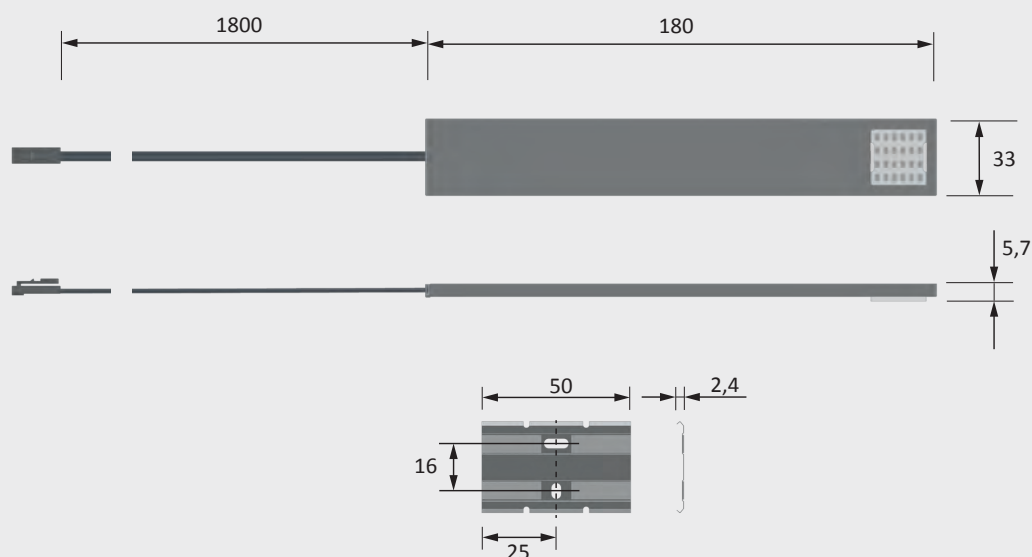
Light distribution diagram / 60°



Light box



Dimensional drawing / installation





## PowerSquare long

### Advantages

- High-quality aluminium profile light
- Integrated cable channel

### Features

- Easy to retrofit

### Examples of use

- Niches

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

PowerSquare long			
Article	Length / power	Order no. Warm white	Order no. Neutral white
Stainless steel look	600 mm - 2 x 1.8 W	34 204 17	34 204 07
Stainless steel look	900 mm - 3 x 1.8 W	34 205 17	34 205 07
Stainless steel look	1200 mm - 4 x 1.8 W	34 206 17	34 206 07
Aluminium	600 mm - 2 x 1.8 W	34 617 17	34 617 07
Aluminium	900 mm - 3 x 1.8 W	34 618 17	34 618 07
Aluminium	1200 mm - 4 x 1.8 W	34 619 17	34 619 07

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

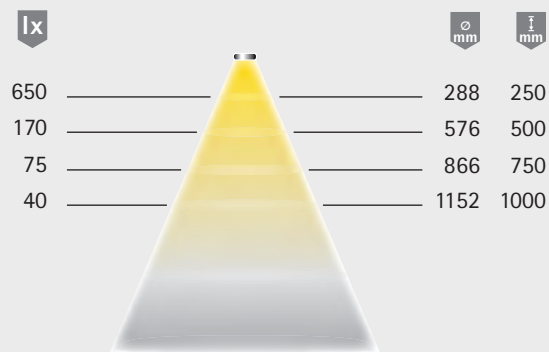
### Technical details in brief



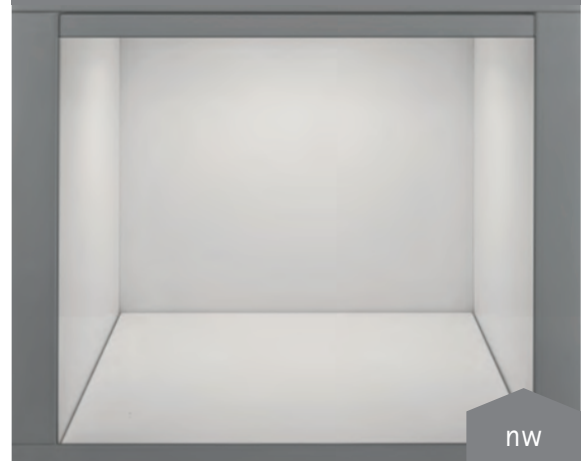
Lamp type:	LED surface-mounted light
Type of lighting:	Functional / accent lighting
Surface finish:	Stainless steel look / aluminium
Operating voltage:	12 V DC
Light colour:	Warm white / neutral white
Colour rendering index CRI:	> 90
Energy efficiency:	A++ 70 lm/W
Life span:	30,000 h (L70)
Power consumption:	1.8 W per module
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 20
Supply lead:	1700 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast



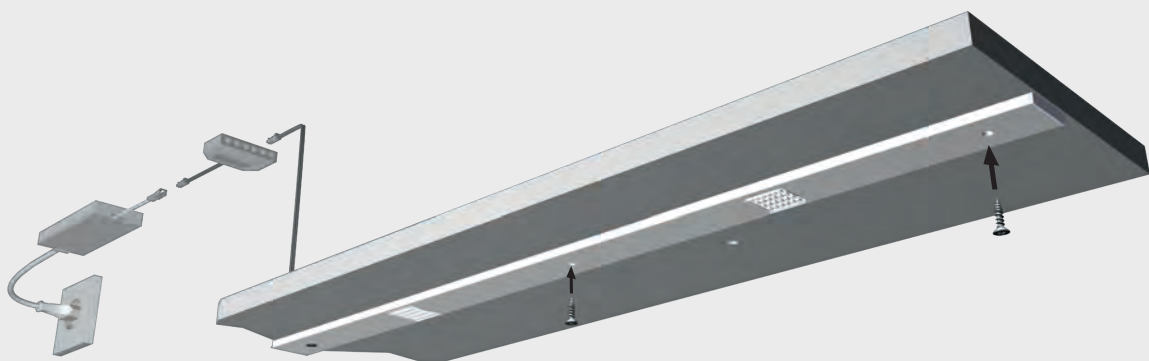
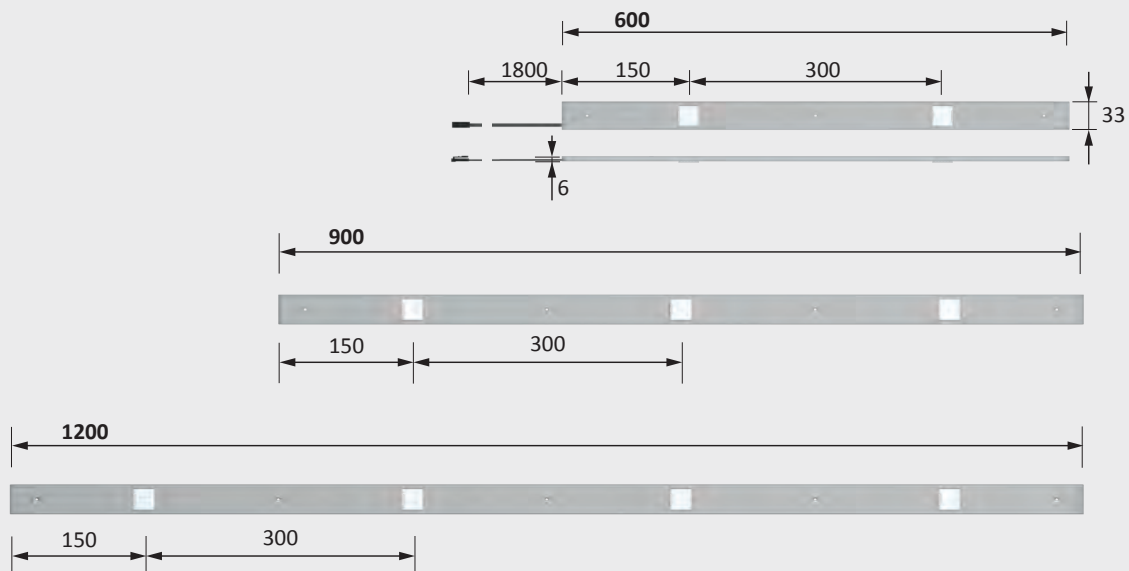
## Light distribution diagram / 60° (per light module)



## Light box



## Dimensional drawing / installation





## StarPoint

### Advantages

- ▶ Powerful LED spotlight
- ▶ Accentuation by small beam angle
- ▶ Versatile

### Features

- ▶ Recessed light for 29–32 mm

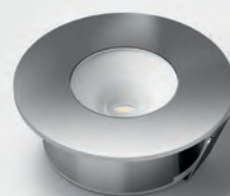
### Examples of use

- ▶ Shelves
- ▶ Display cabinets
- ▶ Furniture halo lighting

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting  
Surface finish: Chrome  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A++  
78 lm/W

Life span: 30,000 h (L70)  
Power consumption: 1.2 W  
Dimmable: Yes  
Beam angle: 50°

Test marks and symbols:      
Protection rating: IP 20  
Installed diameter: 29–32 mm  
Supply lead: 1800 mm  
Plug connection: LED mini  
M1 plug connection  
LED ballast  
Connection to:

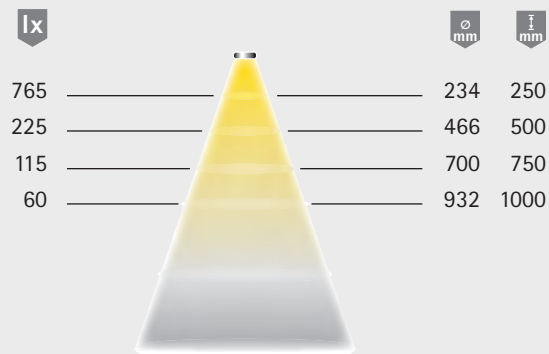
### StarPoint

Article	Order no. Warm white	Order no. Neutral white
Chrome	32 146 13	32 146 03

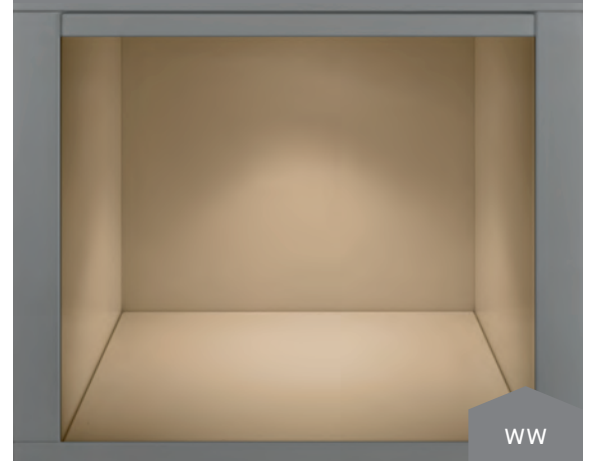
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

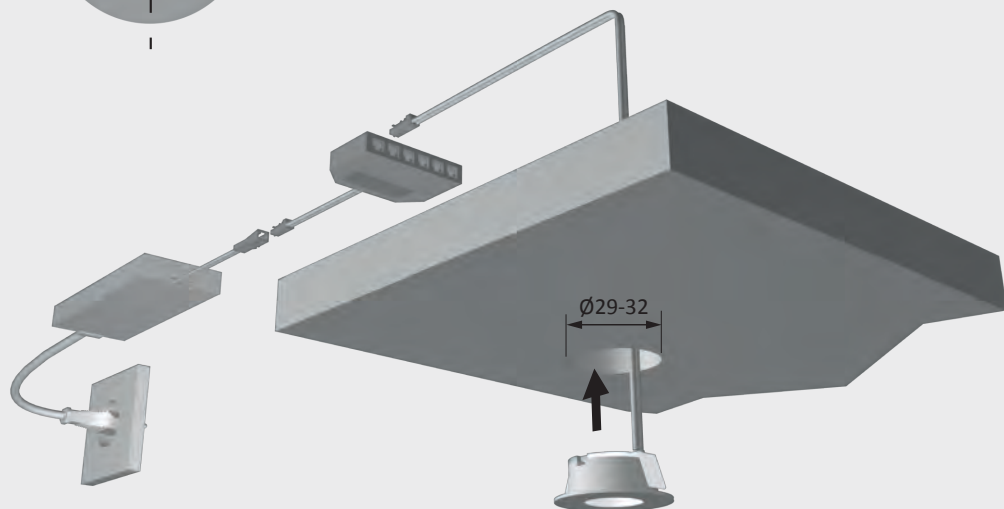
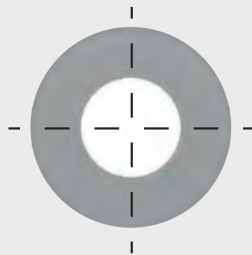
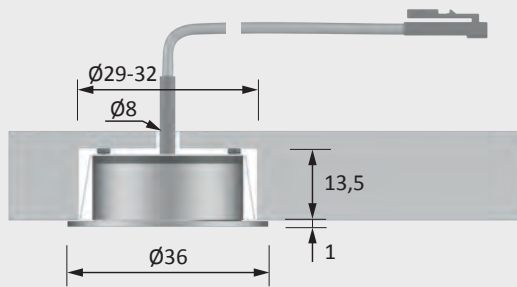
## Light distribution diagram / 50°



## Light box



## Dimensional drawing / installation







## SuperDot

### Advantages

- ▶ Powerful LED spotlight
- ▶ Accentuation by small beam angle

### Features

- ▶ Powerful LED spotlight
- ▶ Swivelling

### Examples of use

- ▶ Shelves
- ▶ Display cabinets

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type: LED recessed light  
Type of lighting: Functional / accent lighting  
Surface finish: Aluminium look  
Operating voltage: 12 V DC  
Light colour: Warm white / neutral white

Colour rendering index CRI: > 80  
Energy efficiency: A++  
92 lm/W

Life span: 30,000 h (L70)  
Power consumption: 1.2 W  
Dimmable: Yes  
Beam angle: 25°

Test marks and symbols:      
Protection rating: IP 20  
Installed diameter: 68 mm  
Supply lead: 1800 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

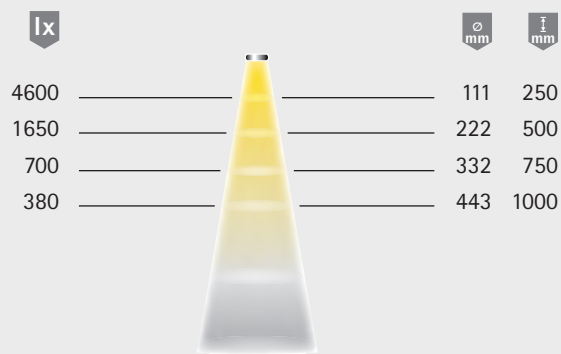
### StarPoint

Article	Order no. Warm white	Order no. Neutral white
Aluminium look	32 149 16	32 149 06

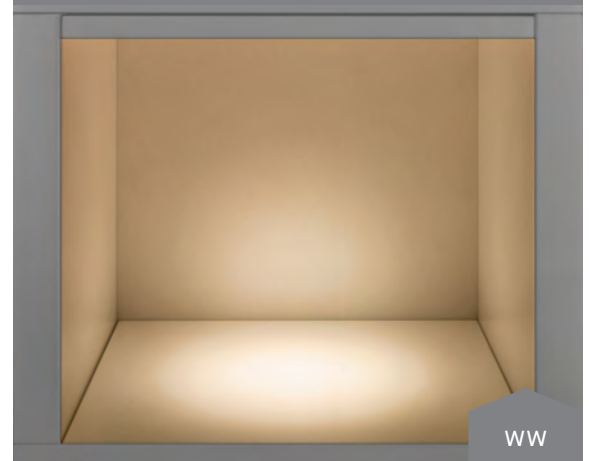
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

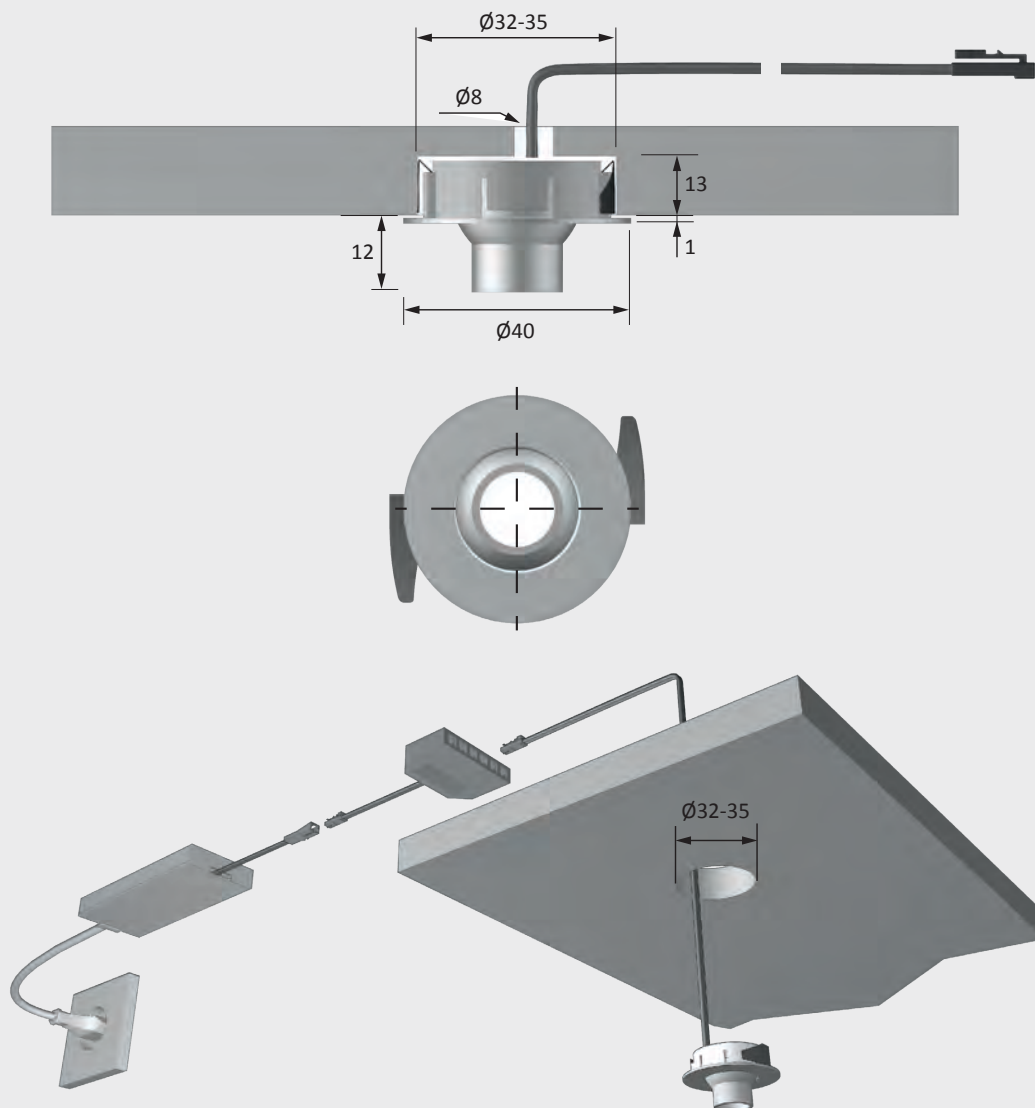
Light distribution diagram / 25°



Light box



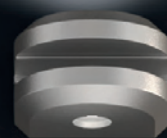
Dimensional drawing / installation





## LuckyLite Pro Great flexibility

The LuckyLite Pro light with battery can be installed anywhere without the need for wiring.



## ICE Great effects

Mount Ice and connect it – and light beams from the glass shelf upwards and down.







## Special lights

Lighting solutions for special applications.

Light that creates backlit effects, responds to movement or shines in two directions – these and many more options are available with our wide range of special lights.

## PanelLite Extra decorative

PanelLite lights installed in the kitchen plinth make orientation easier. Installed in rear panels of furniture, they add extra style to the interior.





## SlimLine

### Advantages

- Filigree light
- High brightness
- Easy to retrofit

### Features

- Surface-mounted

### Examples of use

- On top of wardrobes
- Above mirrors

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



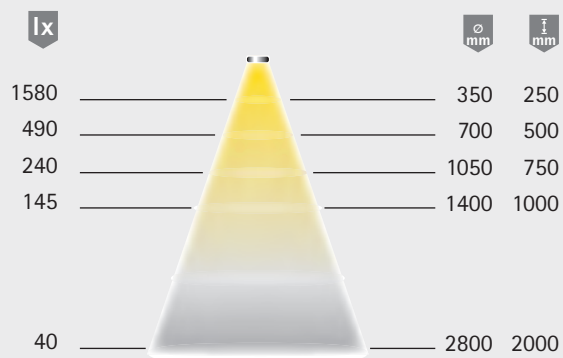
SlimLine		
Article	Power consumption	Order no. Neutral white
400 mm	4.8 W	34 200 07
600 mm	7.8 W	34 183 07
900 mm	11.4 W	34 191 07

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

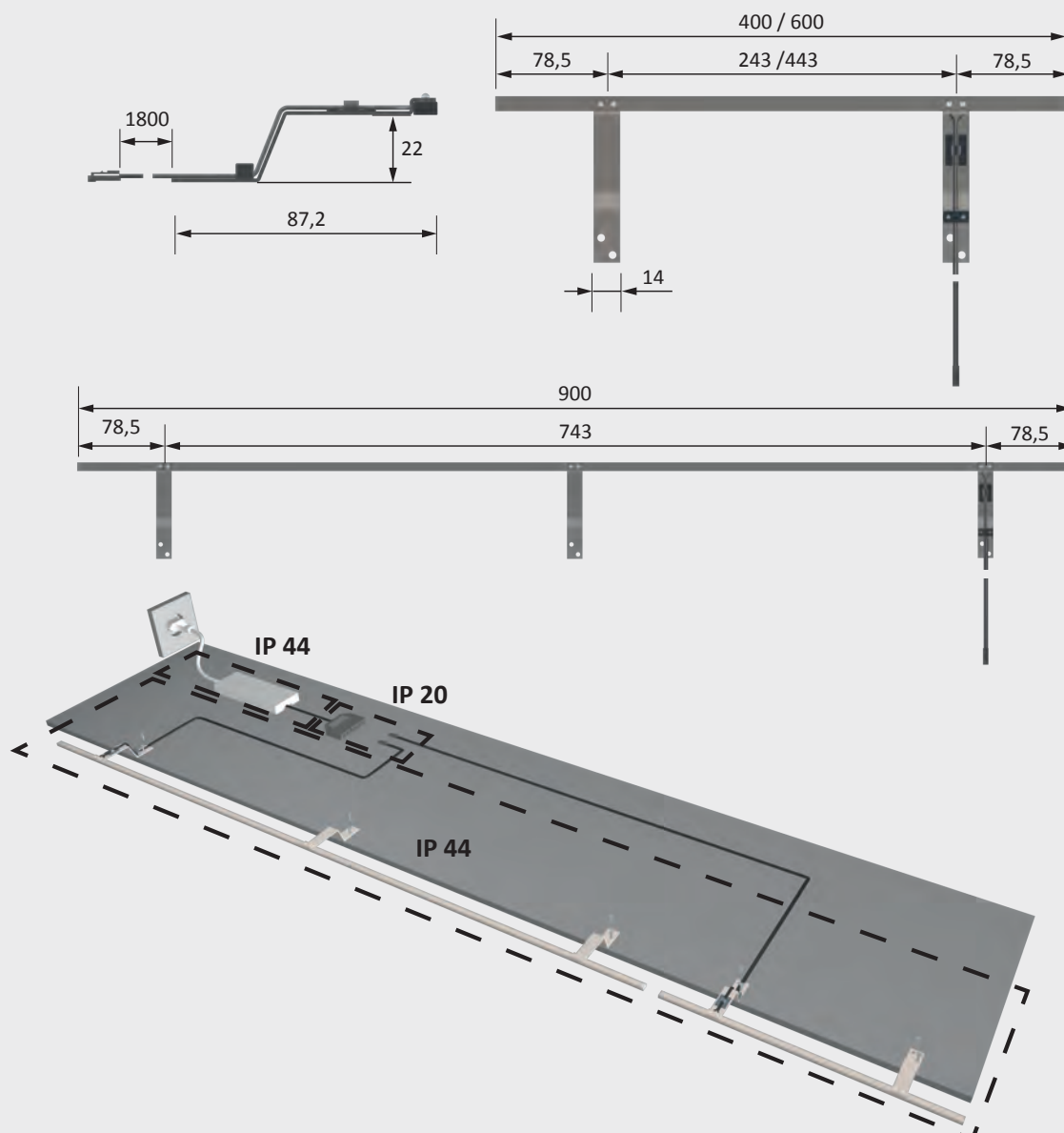
Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
Life span:	65 lm / W
Power consumption:	30,000 h (L70)
Dimmable:	max. 11.4 W
Beam angle:	Yes
Test marks and symbols:	70°
Protection rating:	CE, diamond, triangle, triangle
Supply lead:	IP 44 (mounted)
Plug connection:	1800 mm
Connection to:	LED mini
	M1 plug connection
	LED ballast

## Light distribution diagram / 70° (length 600 mm)



## Dimensional drawing / installation







## Ice

### Advantages

- Can be retrofitted into furniture
- Light cone points upwards and downwards

### Features

- For use with 6- 8 mm glass shelves

### Examples of use

- For mounting on a glass plate

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Warm white
Colour rendering index CRI:	> 80
Energy efficiency:	A+
Life span:	40 lm / W
Power consumption:	30,000 h (L70)
Dimmable:	0.9 W
Beam angle:	Yes
Test marks and symbols:	60°
Protection rating:	CE ⚡ ⚡ ⚡
Supply lead:	IP 20
Plug connection:	1800 mm
Connection to:	LED mini
	M1 plug connection
	LED ballast

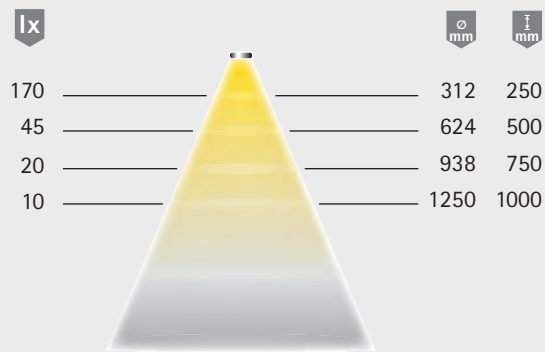
### Ice

Article	Order no.
Aluminium look	Warm white
	34 149 01

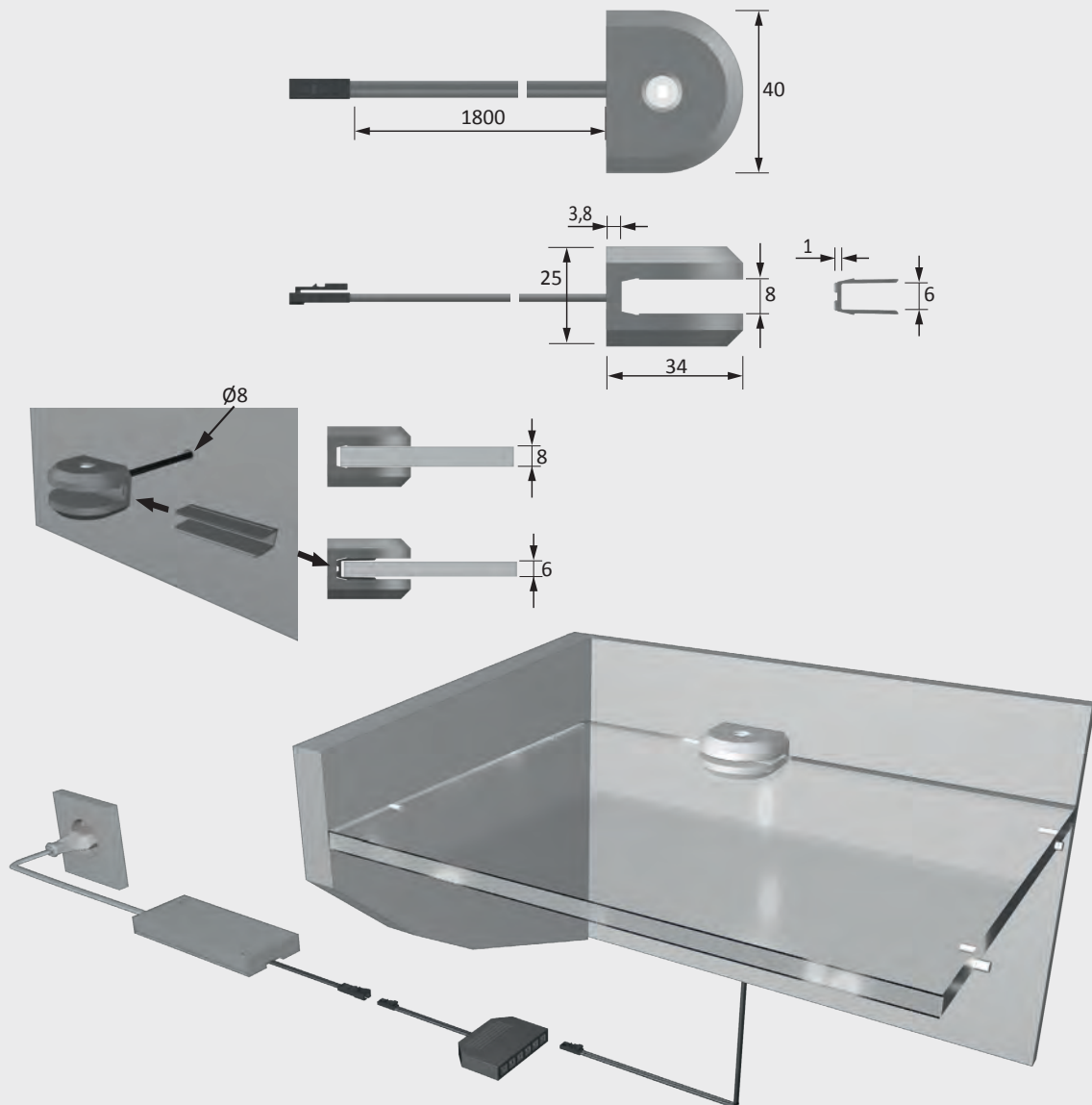
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 6 W with flat Euro plug	30 226 02
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

## Light distribution diagram / 2 x 60°



## Dimensional drawing / installation





## LuckyLite Pro

### Advantages

- ▶ Operated by battery, rechargeable via micro USB
- ▶ No need for cables

### Features

- ▶ Tool-free installation
- ▶ Can be retrofitted into furniture
- ▶ Integrated motion sensor

### Examples of use

- ▶ Shelves
- ▶ Furniture compartments
- ▶ Behind furniture doors

### Ordering information

- ▶ Including 0.8m USB charger cable
- ▶ USB chargers must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Light colour:	Neutral white
Colour rendering index CRI:	80
Life span:	20,000 h (L70)
Dimmable:	No
Beam angle:	20°
Test marks and symbols:	CE, RoHS, WEEE
Protection rating:	IP 20
Charger connection:	Micro USB
Motion sensor:	
Sensing angle:	120°
Sensing range:	2 m
Stay-'ON' time:	10 seconds

### LuckyLite Pro

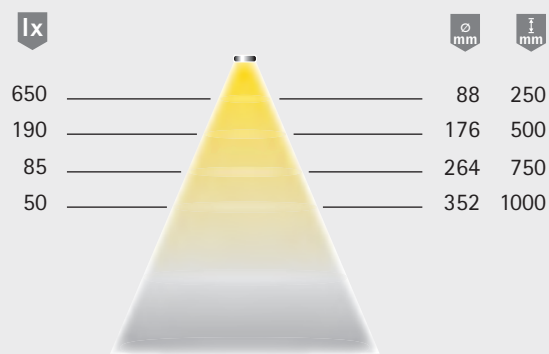
Article	Order no.
Aluminium look	38 258 26

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

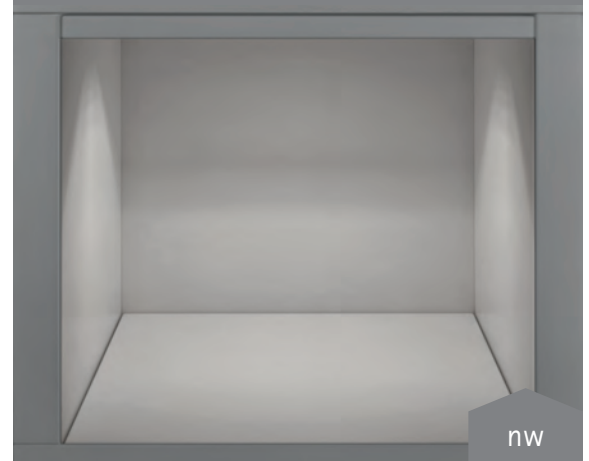
Article	Order no.
Mini USB charger	30 026 01



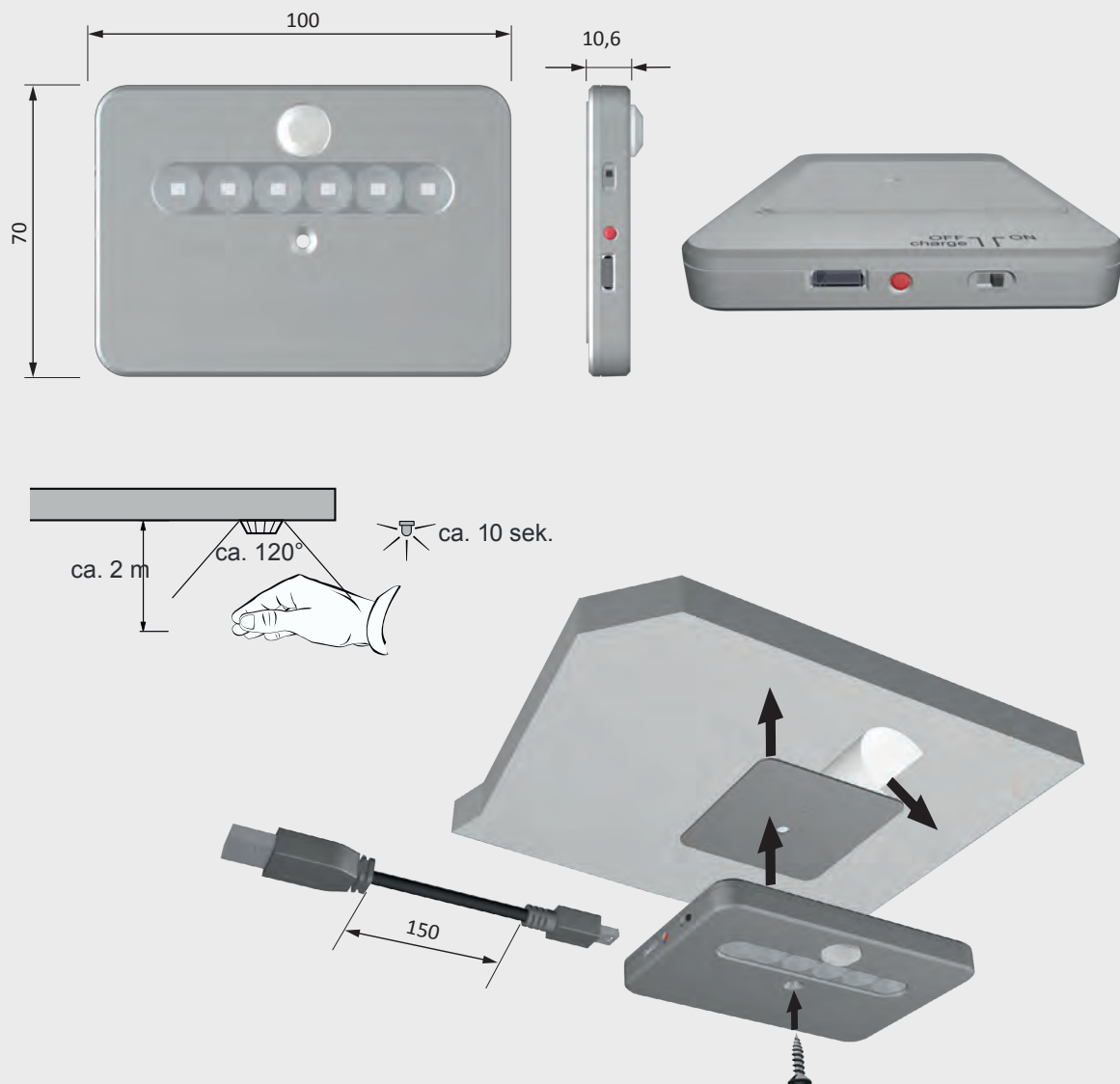
Light distribution diagram / 20°



Light box



Dimensional drawing / installation





## AlphaLite

### Advantages

- ▶ Operated by battery, rechargeable via mini USB
- ▶ Swivelling lighting strip
- ▶ Compact dimensions
- ▶ No need for cables

### Features

- ▶ Tool-free installation
- ▶ Can be retrofitted into furniture
- ▶ Integrated motion sensor

### Examples of use

- ▶ Shelves
- ▶ Behind furniture doors
- ▶ In drawers

### Ordering information

- ▶ Including 0.8m USB charger cable
- ▶ USB chargers must be ordered separately
- ▶ Sales unit: 1

### Technical details in brief



### AlphaLite

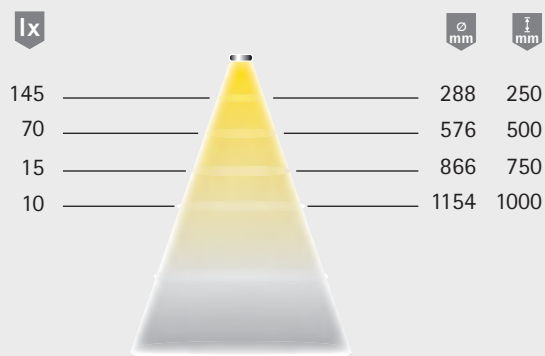
Article	Order no.
Aluminium look	Cool white
	55 019 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

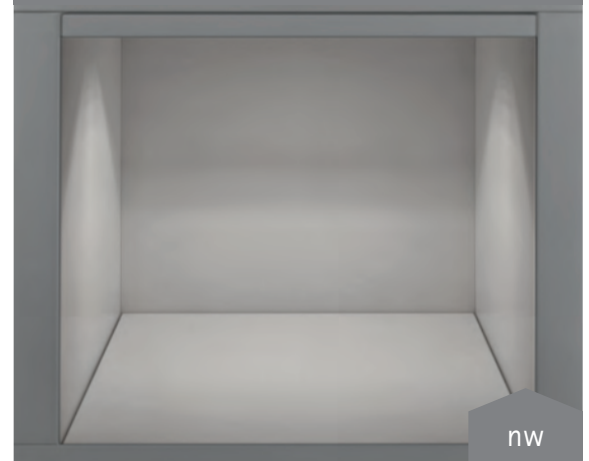
Article	Order no.
Mini USB charger	30 026 01

Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Light colour:	Cool white
Colour rendering index CRI:	85
Life span:	20,000 h (L70)
Power consumption:	0.8 W
Dimmable:	No
Beam angle:	60°
Test marks and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 20
Charger connection:	Mini USB
Motion sensor:	
Detection angle:	50°
Reach:	2 m
Stay-'ON' time:	10 seconds

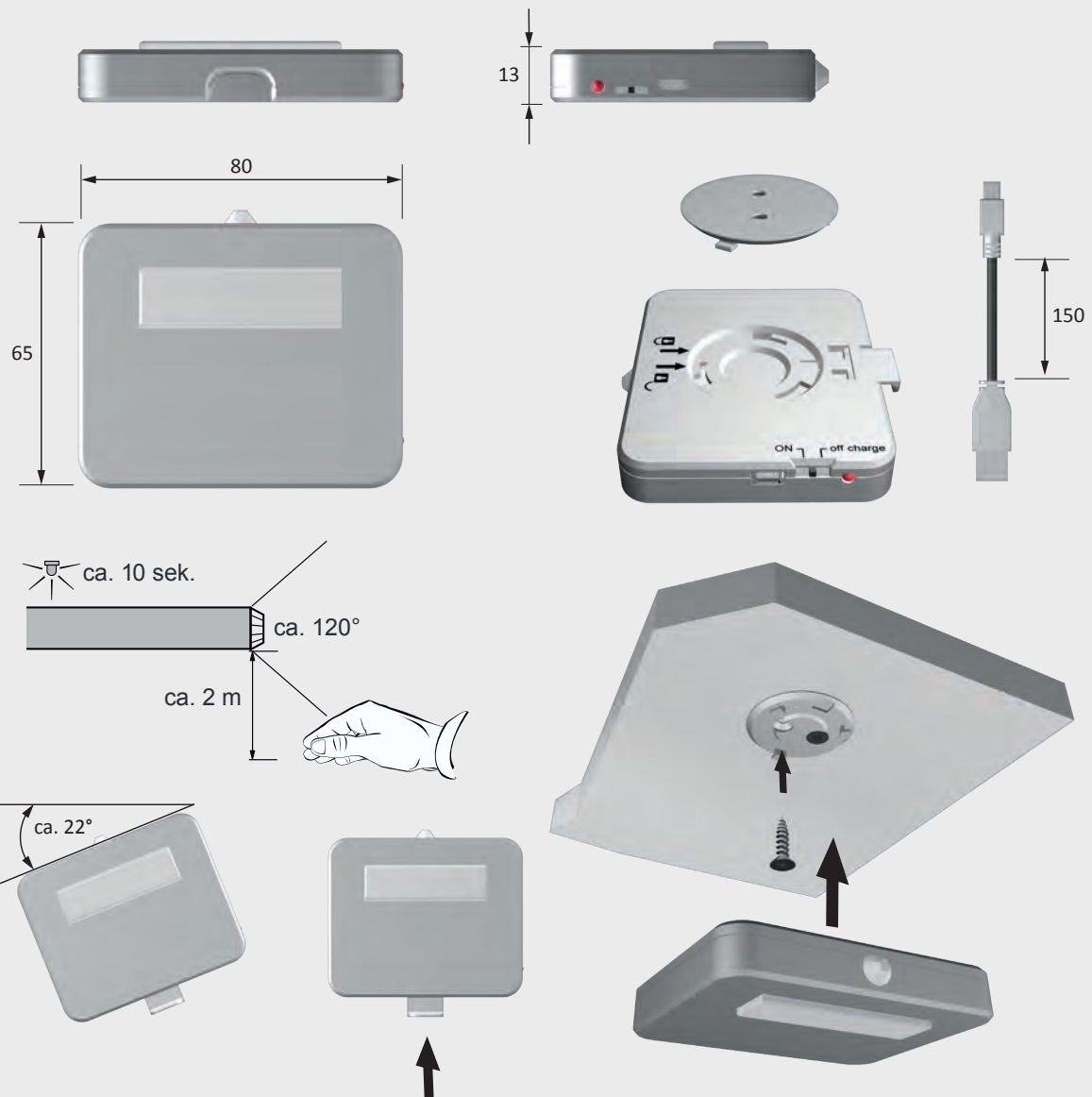
Light distribution diagram / 60°



Light box



Dimensional drawing / installation







## GlasLine

### Advantages

- Eye-catching lighting of 8 mm glass edge
- Can be shortened to desired length

### Features

- High flexibility due to individual components
- LED lighting strip with double-sided cable

### Examples of use

- 8 mm glass plates
- For optimised effect, install on glass plate with satin-finish edge

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



Lamp type:	LED surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Extra warm white / warm white / neutral white / cool white
Colour rendering index CRI:	> 90
Energy efficiency:	A++
Life span:	30,000 h (L70)
Power consumption:	4.8 W / m
Dimmable:	Yes
Test marks and symbols:	CE, W, W
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

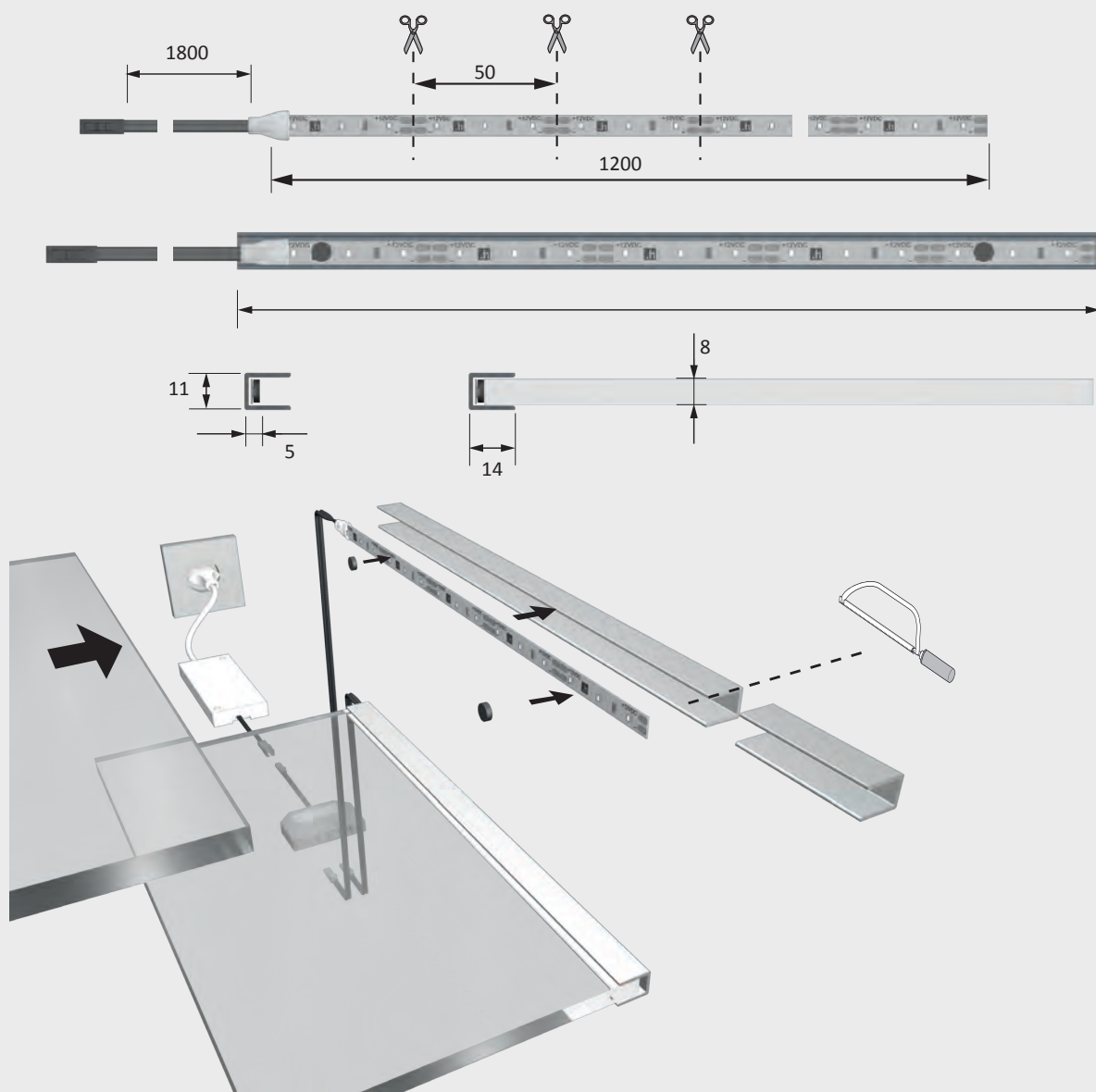
### GlasLine

Article	Order no. Warm white
Flexible band 1.2 m, extra warm white (Versa Inside 60)	55 801 42
Flexible band 1.2 m, warm white (Versa Inside 60)	55 801 12
Flexible band 1.2 m, neutral white (Versa Inside 60)	55 801 02
Flexible band 1.2 m cool white (Versa Inside 60)	55 801 22
U-profile for GlasLine 3000 mm	18 720 01
U-profile for GlasLine 1500 mm	18 720 81
Spacer for glass pane - set (10 units per set)	18 491 10

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
LED ballast 30 W with flat Euro plug	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

## Dimensional drawing / installation





## LitePipe

### Advantages

- ▶ Activated by motion sensor
- ▶ Can be individually cut to length

### Features

- ▶ Load capacity up to 40 kg / m
- ▶ Can be retrofitted into furniture

### Examples of use

- ▶ Wardrobes
- ▶ Cloakrooms

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



#### Lamp type:

Wardrobe  
rail LED light

#### Type of lighting:

Functional lighting

#### Surface finish:

Aluminium

#### Operating voltage:

12 V DC

#### Light colour:

Neutral white

#### Colour rendering index CRI:

85

#### Energy efficiency:

A  
45 lm / W

#### Life span:

30,000 h (L70)

#### Power consumption:

max. 5.5 W

#### Dimmable:

No

#### Beam angle:

60°

#### Test marks and symbols:

CE ⬡ ▽ ▽

#### Protection rating:

IP 20

#### Supply lead:

2000 mm

#### Plug connection:

LED mini  
M1 plug connection  
LED ballast

#### Connection to:

#### Motion sensor:

#### Detection angle:

60°

#### Reach:

2 m

#### Stay-'ON' time:

40 seconds

### LitePipe

#### Article

#### Order no.

Neutral white

1000 mm - max 5.0 W

55 152 08

1200 mm - max 5.5 W

55 146 08

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

#### Article

#### Order no.

LED ballast 6 W with flat Euro plug

30 226 02

LED ballast 20 W with flat Euro plug

31 016 01

M1 extension lead 1800 mm

36 768 01

M1 3-way distributor 180 mm

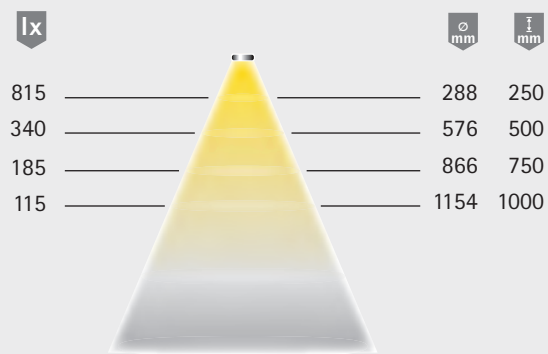
36 852 01

M1 6-way distributor 2000 mm

36 125 01



## Light distribution diagram / 60°



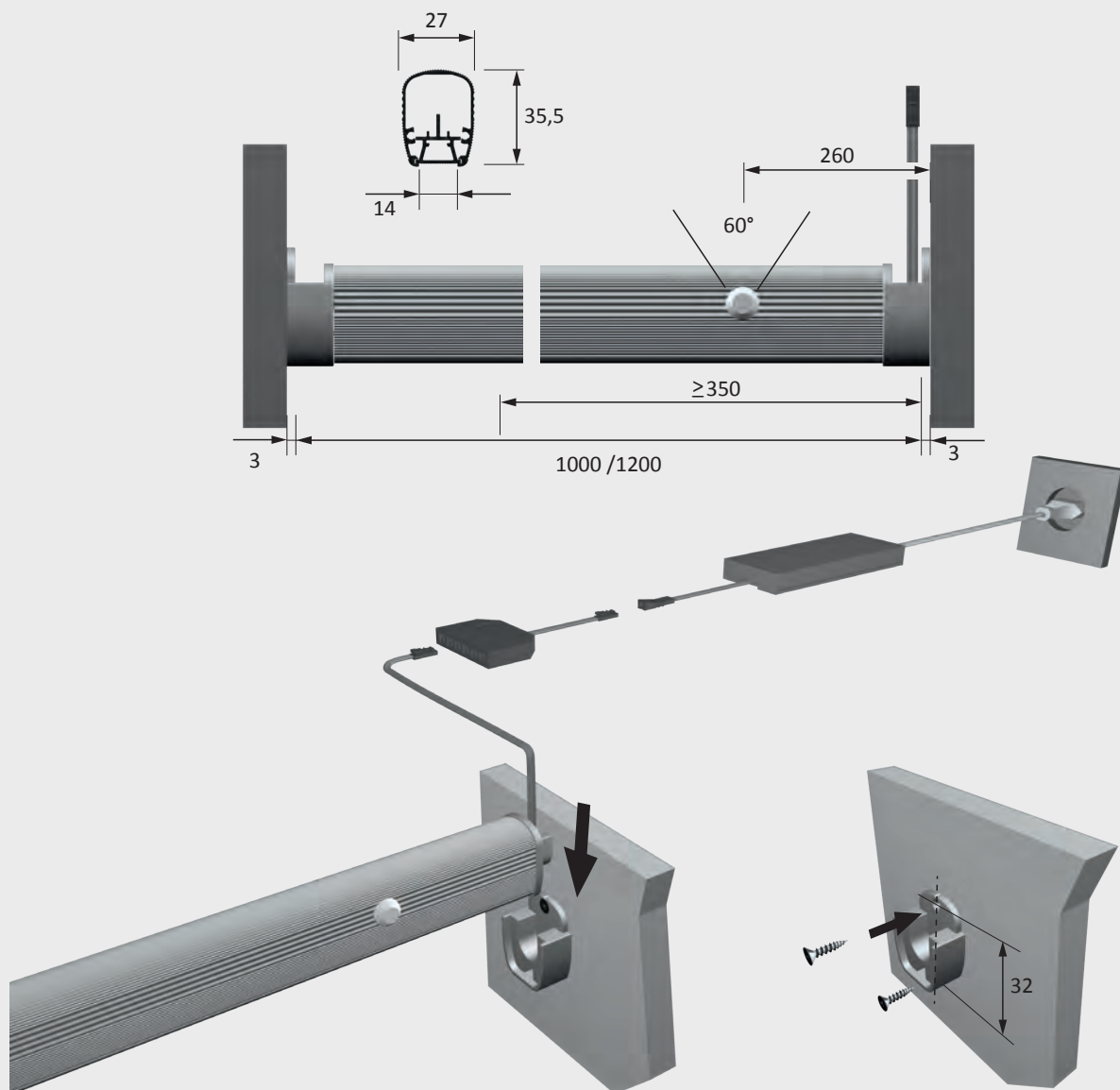
## Dimensional drawing / installation



Light can be customized



Light can be cut to size





## InnoLine Plus

### Advantages

- Drawer lighting
- No dark zones
- Integrated infrared sensor switch

### Features

- Can be retrofitted into furniture

### Examples of use

- In drawers

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Version that can be cut to size contains cable duct

### Technical details in brief



Lamp type:	Wardrobe rail LED light
Type of lighting:	Functional lighting
Surface finish:	Aluminium
Operating voltage:	12 V DC
Light colour:	Neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
Life span:	34 lm / W
Power consumption:	30,000 h (L70)
Dimmable:	see ordering chart
Beam angle:	No
Test marks and symbols:	50°
Protection rating:	CE ⚡ ⚡ ⚡
Supply lead:	IP 20
Plug connection:	2400 mm
Connection to:	LED mini
Sensor range:	M1 plug connection
	LED ballast
	5 - 50 mm

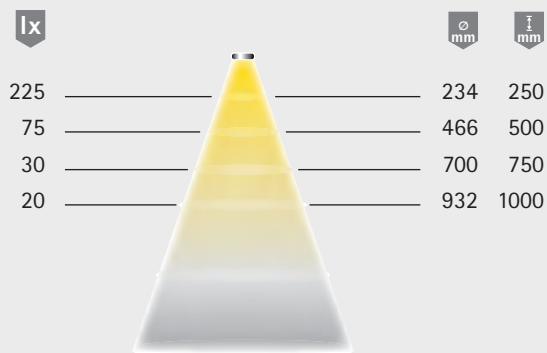
### InnoLine Plus

Article	Power consumption	Order no. Neutral white
368 - 262 mm (for cutting to size)	Max. 2 W	55 112 01
468 - 412 mm (for cutting to size)	Max. 2.5 W	55 124 01
568 - 512 mm (for cutting to size)	Max. 3 W	55 125 01
868 - 612 mm (for cutting to size)	Max. 3.5 W	55 126 01
200 - 300 mm (customisable to size)	Max. 1.5 W	55 168 01
301 - 400 mm (customisable to size)	Max. 2 W	55 168 02
401 - 500 mm (customisable to size)	Max. 2.5 W	55 168 03
501 - 600 mm (customisable to size)	Max. 3 W	55 168 04
601 - 700 mm (customisable to size)	Max. 3.5 W	55 168 05
701 - 800 mm (customisable to size)	Max. 4 W	55 168 06
801 - 900 mm (customisable to size)	Max. 4.5 W	55 168 07
901 - 1000 mm (customisable to size)	Max. 5 W	55 168 08
1001 - 1100 mm (customisable to size)	Max. 5.5 W	55 168 09
1101 - 1200 mm (customisable to size)	Max. 6 W	55 168 10

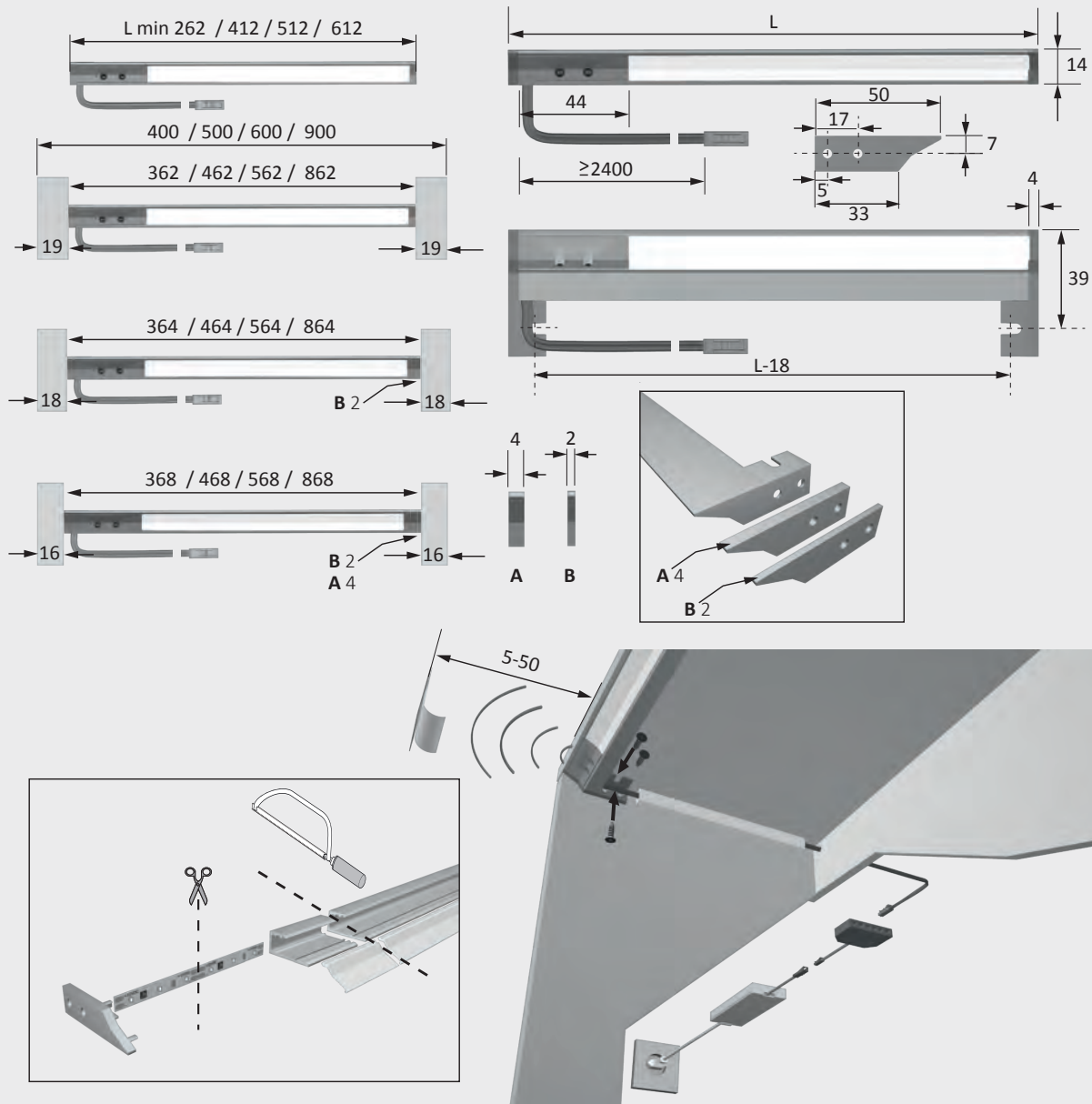
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Cable duct, self-adhesive, 1000 mm, white	36 238 01
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

## Light distribution diagram / 50°



## Dimensional drawing / installation







## LuckyLine

### Advantages

- 'ON' time can be set individually
- Various installation angles

### Features

- Can be retrofitted into furniture
- Timer-controlled switch-off
- Integrated motion sensor

### Examples of use

- Orientation light for under the bed
- Cabinet interior lighting

### Ordering information

- Set contains 2 lights, mounting brackets, 1 LED plug ballast

### Technical details in brief

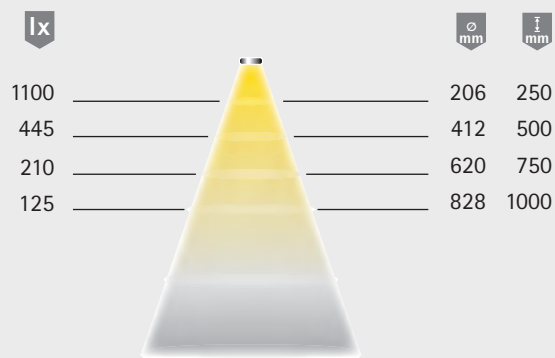


Lamp type:	LED surface-mounted light
Type of lighting:	Orientation lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Warm white / cool white
Colour rendering index CRI:	> 80
Life span:	20,000 h (L70)
Power consumption:	0.9 W
Dimmable:	No
Beam angle:	45°
Test marks and symbols:	CE   
Protection rating:	IP 20
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast
Sensing angle:	110°
Reach:	2 m
Stay-'ON' time:	30 seconds to 5 minutes
Supply lead:	1700 mm

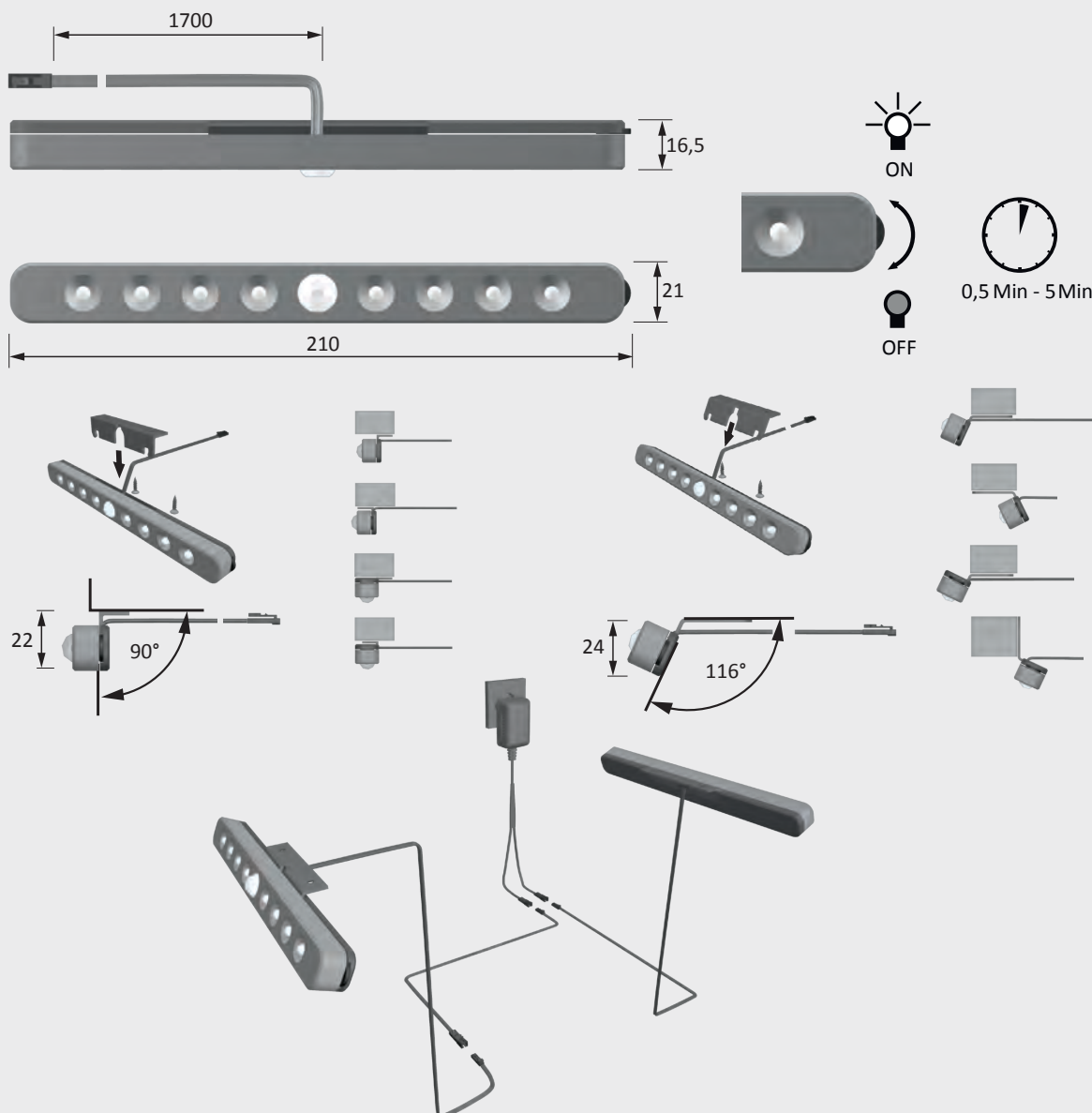
### LuckyLine

Article	Order no. Warm white	Order no. Cool white
LuckyLine set of 2, including ballast	36 972 11	36 975 02

## Light distribution diagram / 45°



## Dimensional drawing / installation





## Panellite square

### Advantages

- Decorative lamp
- Indirect light

### Features

- Surface-mounted

### Examples of use

- Kitchen plinths
- Furniture back walls

### Ordering information

- To find the right combination of light and ballast, please note pictograms in the light catalogue!
- Sales unit: 1

### Technical details in brief



**12 V**

### Panellite square

Article	Order no. Warm white
Stainless steel look	34 172 16

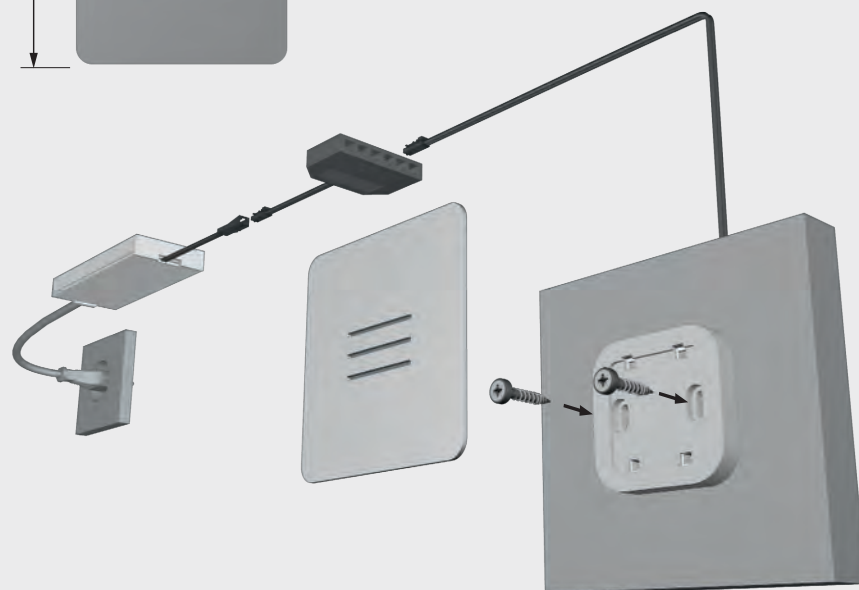
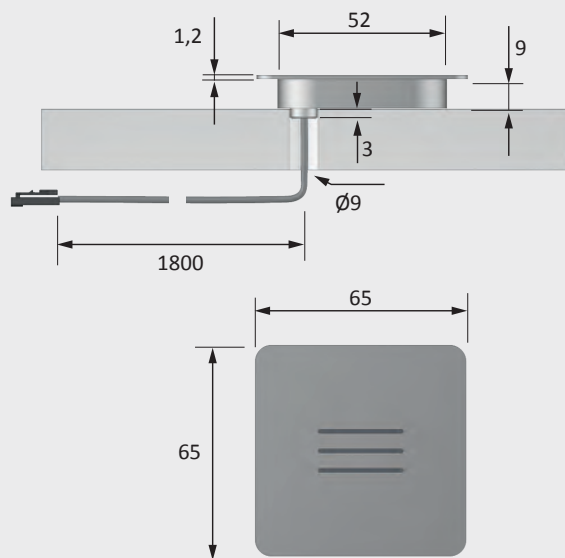
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

Lamp type:	LED recessed light
Type of lighting:	Accent / orientation lighting
Surface finish:	Stainless steel look
Operating voltage:	12 V DC
Light colour:	Warm white
Colour rendering index CRI:	> 80
Energy efficiency:	A+ 40 lm/W
Life span:	30,000 h (L70)
Power consumption:	1.9 W
Dimmable:	Yes
Test marks and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast



## Dimensional drawing / installation





## QuadroPoint square

### Advantages

- ▶ Particularly small mounting depth
- ▶ Filigree design

### Features

- ▶ Brushed stainless steel cover
- ▶ Can be mounted in switch boxes
- ▶ Plug-in connection on housing

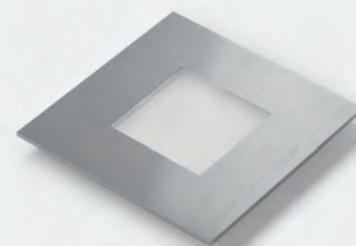
### Examples of use

- ▶ Floors
- ▶ Kitchen plinths

### Ordering information

- ▶ To find the right combination of light and ballast, please note pictograms in the light catalogue!
- ▶ Sales unit: 1

### Technical details in brief



**12 V**

Lamp type:	LED recessed light
Type of lighting:	Accent / orientation lighting
Surface finish:	Stainless steel look
Operating voltage:	12 V DC
Light colour:	Neutral white
Colour rendering index CRI:	> 80
Energy efficiency:	A
	25 lm/ W
Life span:	20,000 h (L70)
Power consumption:	0.6 W
Dimmable:	Yes
Beam angle:	60°
Test marks and symbols:	CE ⬡ ▽ ▽
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini M1 plug connection
Connection to:	LED ballast

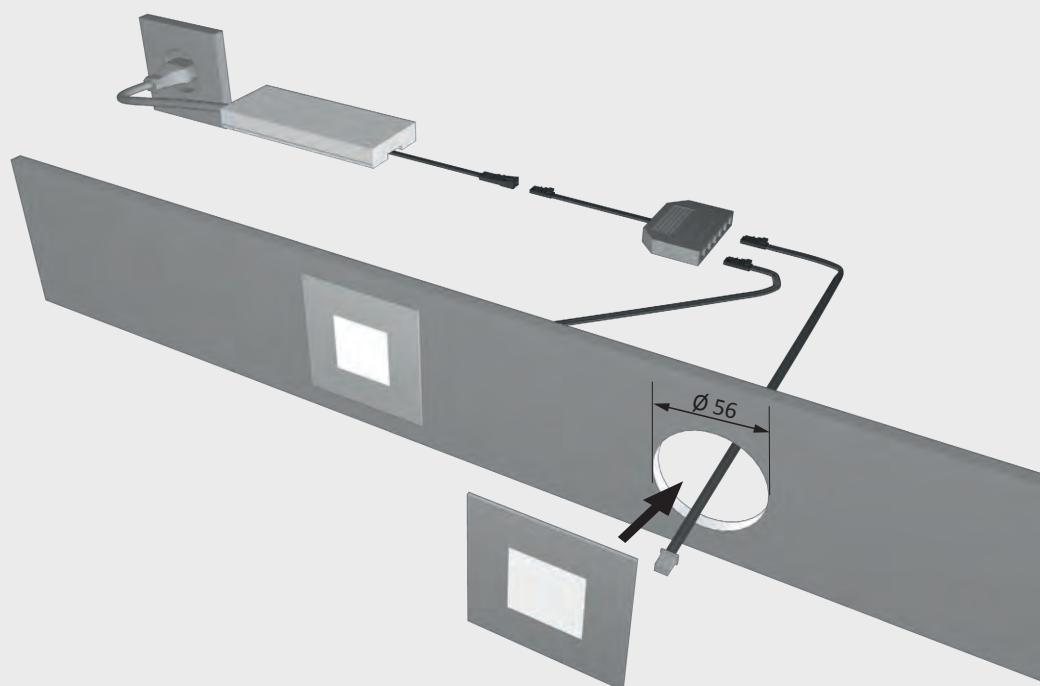
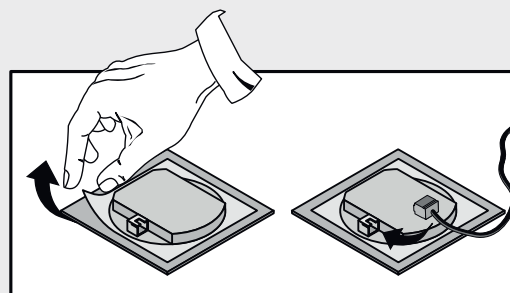
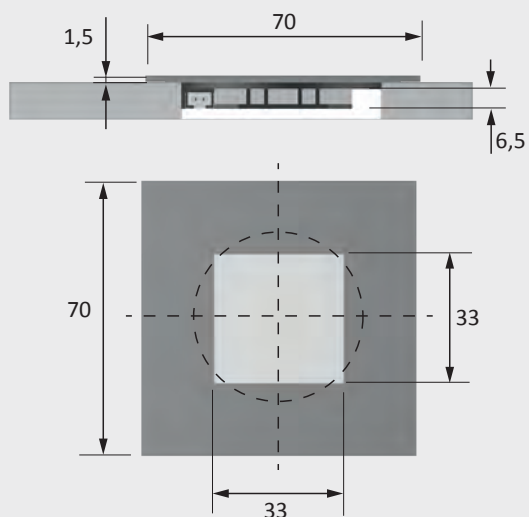
### PanelLite square

Article	Order no.
Stainless steel look	38 970 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
LED ballast 6 W with flat Euro plug	30 226 02
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

## Dimensional drawing / installation







## SwanLite

### Advantages

- Designer lamp
- Switch on light head
- Easy to retrofit

### Features

- Flexible gooseneck
- Wide beam
- Swivelling lamp head

### Examples of use

- Bed head
- Sofa

### Ordering information

- LED plug ballast and extension lead are included in the set




### Technical details in brief



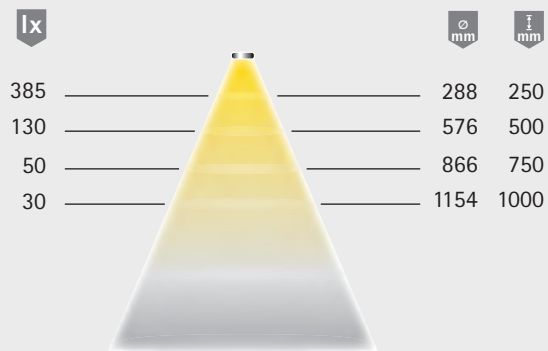
**12 V**

### SwanLite

Article	Order no. Neutral white
Set of 2 including plug ballast, in aluminium look	40 878 06
Set of 2 including plug ballast, in chrome finish	40 878 03

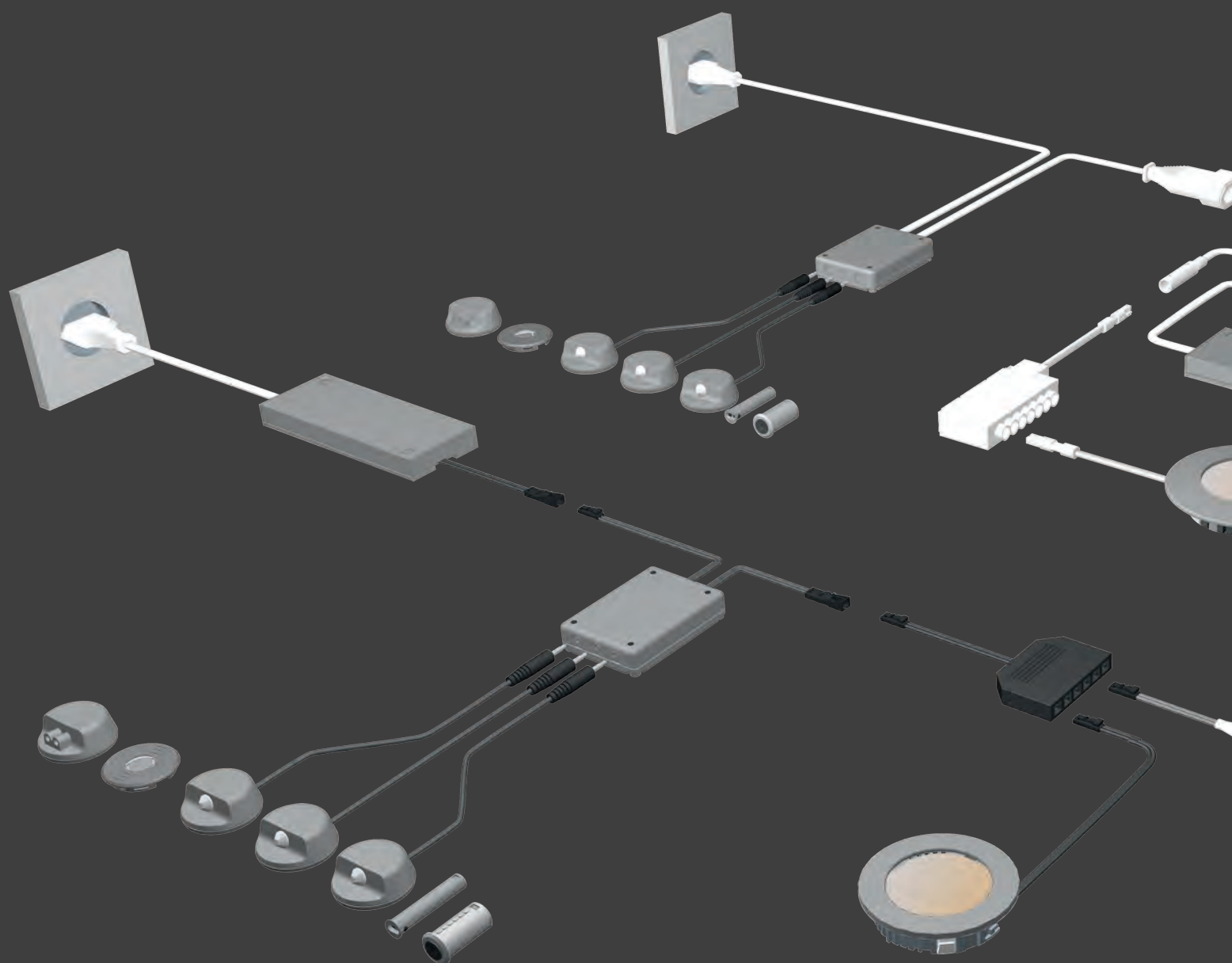
Lamp type:	LED surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	Neutral white
Colour rendering index CRI:	> 90
Energy efficiency:	A++
	62 lm/W
Life span:	30,000 h (L70)
Power consumption:	1.25 W
Dimmable:	No
Number of LEDs:	21
Beam angle:	60°
Mark:	CE   
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connection:	LED mini
	M1 plug connection
Connection to:	LED ballast

## Light distribution diagram / 60°



## Dimensional drawing / installation





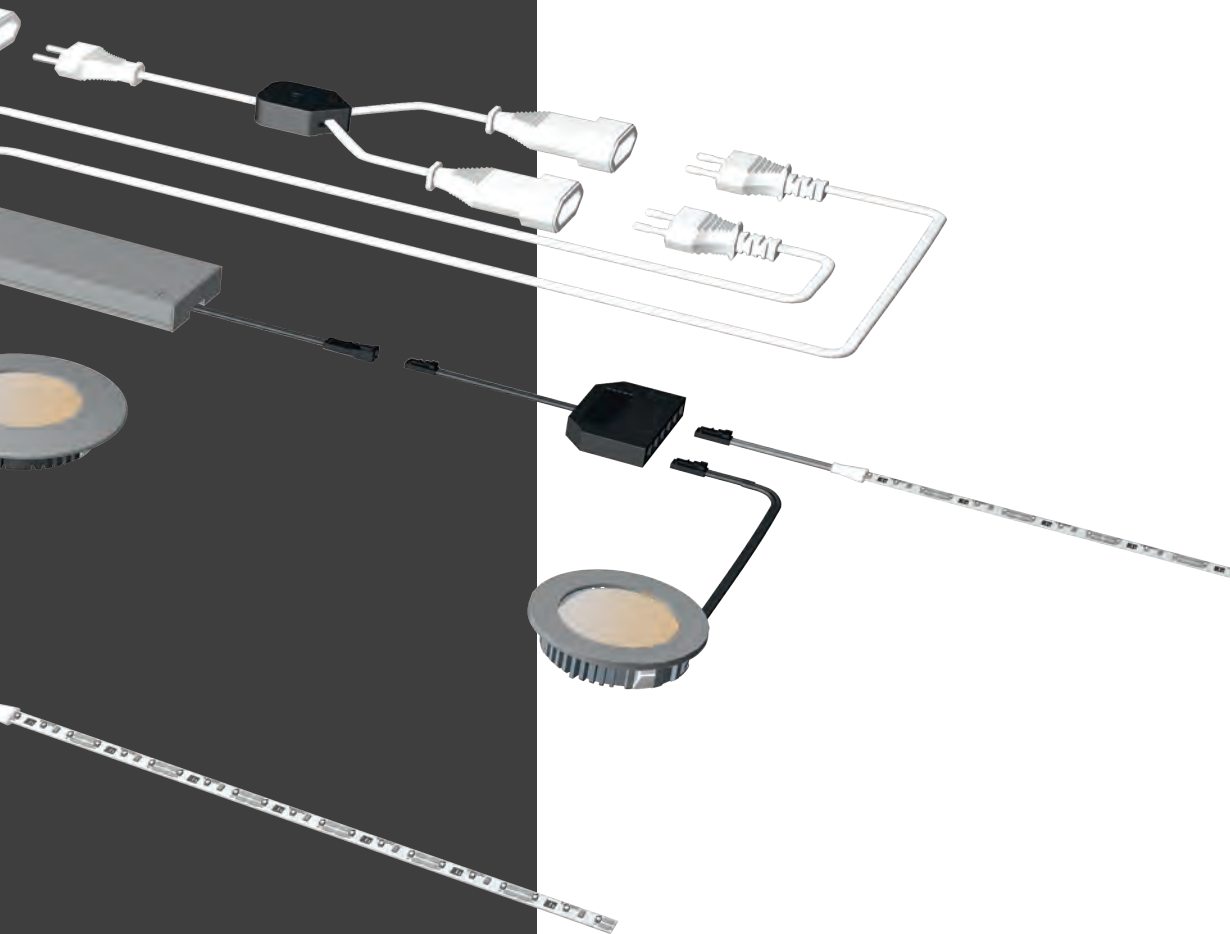


## Switch systems

The right system for any installation.

Smooth dimming, colour lighting effects, touchless switching – our switching technology does not depend solely on smartphones or remote

control, but includes motion sensors for touchless lighting control, as well as conventional light switches.





## MultiSwitch contact

### Advantages

- ▶ Infrared sensor for drill-hole or surface mounting
- ▶ Connection of 1 to 3 identical sensors to 1 master unit

### Features

- ▶ Soft ON/OFF function (soft-start when power on/off) – for 12 / 24 V only
- ▶ Memory function for power failure
- ▶ Not compatible with dimmers

### Examples of use




- ▶ Door contact switch
- ▶ Touchless sensor switch (surface-mounted infrared sensor)

### Ordering information

- ▶ For other sensors, see pages below
- ▶ Only for use with dimmable LED lamps
- ▶ Sales unit: 1

### Technical details in brief



Can be used with: LED lights  
 Surface finish: Aluminium look  
 Operating voltage: 12 / 24 V DC  
 230 V AC  
 Max. switching power: 36 W / 72 W / 500 W  
 Test marks and symbols:     
 Switching distance: see drawing  
 Supply lead: 2000 mm cable to master unit  
 Switching lead: 300 mm to LED light  
 Standby: < 0.5 W

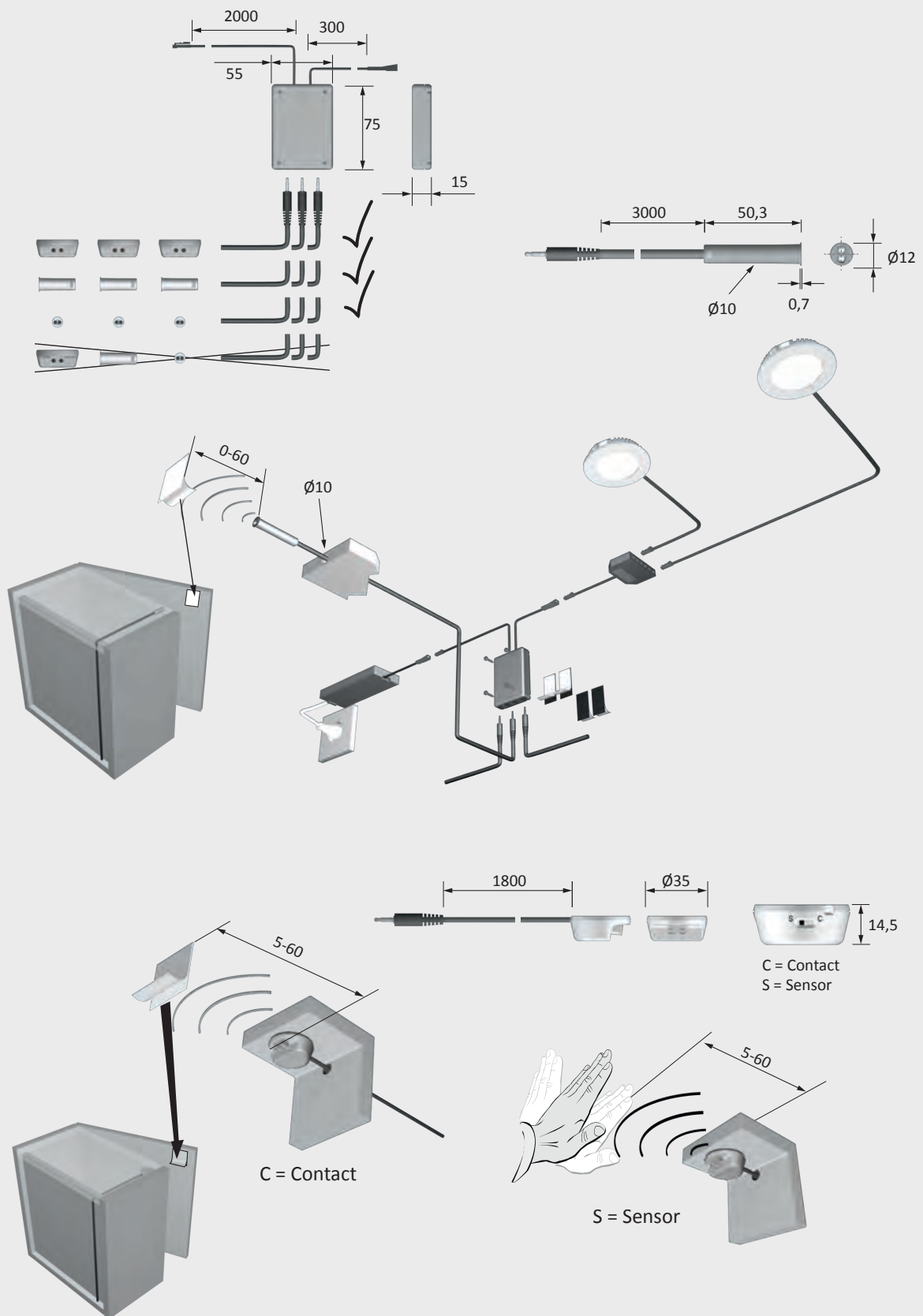
### MultiSwitch IR (infrared sensor)

Article	Order no.
Infrared sensor for drill-hole mounting (IR door contact switch)	30 767 51
Infrared sensor for surface mounting (IR sensor switch + door contact switch)	30 642 01
Master unit 230 V AC – max. switching power: 500 W	30 179 01
Master unit 12 V DC – max. switching power: 36 W	30 764 01
Master unit 24 V DC – max. switching power: 72 W	30 764 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Extension lead sensor cable – 2.5 mm jack – 2000 mm	18 238 03

## Dimensional drawing / installation







## MultiSwitch PIR

### Advantages

- ▶ Motion sensor for surface mounting
- ▶ Responses to heat and motion
- ▶ Connection of 1 to 3 identical sensors to 1 master unit

### Features

- ▶ Soft ON/OFF function (soft-start when power on/off) – for 12 / 24 V only
- ▶ Memory function for power failure
- ▶ Not compatible with dimmers

### Examples of use

- ▶ As motion sensor (PIR sensor)

### Ordering information

- ▶ For other sensors, see pages below
- ▶ Only for use with dimmable LED lamps
- ▶ Sales unit: 1

### Technical details in brief



Can be used with:	LED lights
Surface finish:	Aluminium look
Operating voltage:	12 / 24 V DC 230 V AC
Max. switching power:	36 W / 72 W / 500 W
Test marks and symbols:	CE ▽ ▽
Motion detector:	
Sensing angle:	120°
Range:	2 m
Stay-'ON' time:	30 seconds
Sensor lead:	1800 mm
Supply lead:	2000 mm cable to master unit
Switching lead:	300 mm
Standby:	< 0.5 W

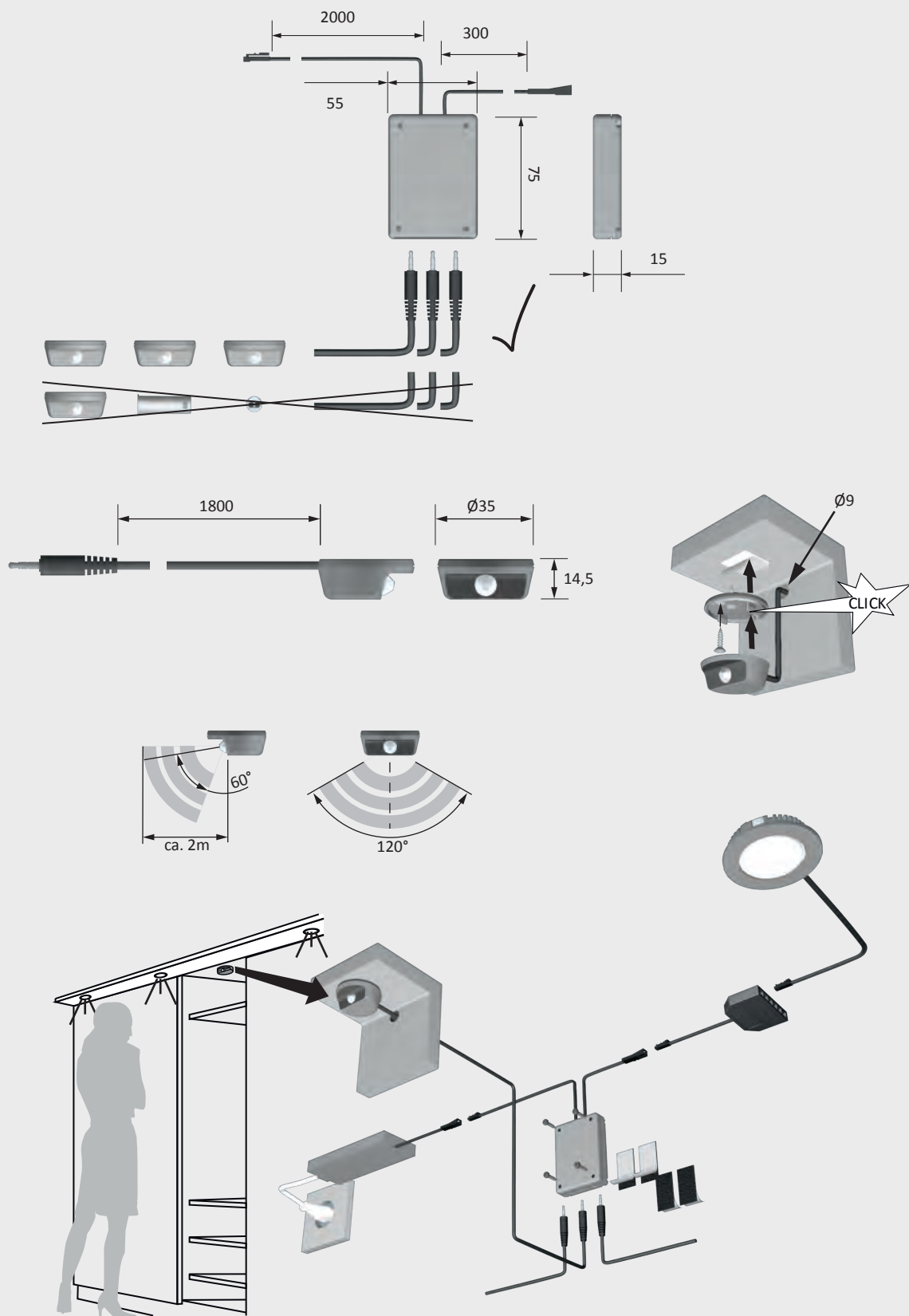
### MultiSwitch PIR (motion sensor)

Article	Order no.
PIR sensor for surface mounting (motion sensor)	30 638 01
Master unit 230 V AC – max. switching power: 500 W	30 179 01
Master unit 12 V DC – max. switching power: 36 W	30 764 01
Master unit 24 V DC – max. switching power: 72 W	30 764 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Extension lead sensor cable – 2.5 mm jack – 2000 mm	18 238 03

## Dimensional drawing / installation





## MultiSwitch push button

### Advantages

- ▶ Push button with dimming function for drill-hole mounting
- ▶ Connection of 1 to 3 identical sensors to 1 master unit

### Features

- ▶ Soft ON/OFF function (soft-start when power on/off)
- ▶ Memory function for power failure
- ▶ Not compatible with dimmers

### Examples of use

- ▶ As push button with dimming function
- ▶ As on/off switch and changeover switch

### Ordering information

- ▶ For other sensors, see pages below
- ▶ Only for use with dimmable LED lamps
- ▶ Sales unit: 1

### Technical details in brief



Can be used with:	LED lights
Surface finish:	Aluminium look
Operating voltage:	12 / 24 V DC 230 V AC
Max. switching power:	36 W / 72 W / 500 W
Test marks and symbols:	CE ⚡ ⚠ ⚠
Sensor lead:	1800 mm
Supply lead:	2000 mm cable to master unit
Switching lead:	300 mm
Standby:	< 0.5 W

### MultiSwitch push button

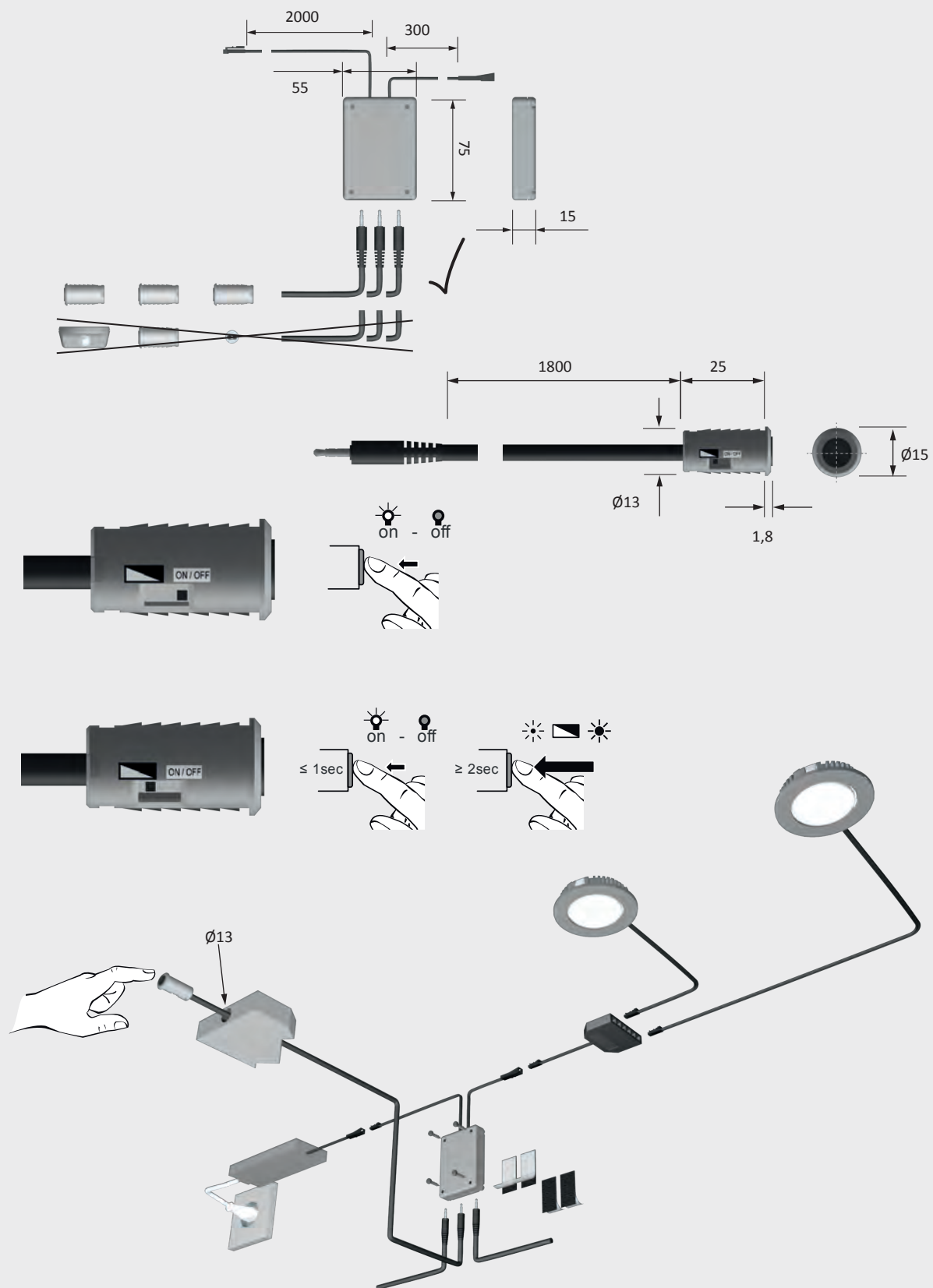
Article	Order no.
Push button for drill-hole mounting	30 648 01
Master unit 230 V AC - max. switching power: 500 W	30 179 01
Master unit 12 V DC - max. switching power: 36 W	30 764 01
Master unit 24 V DC - max. switching power: 72 W	30 764 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Extension lead sensor cable - 2.5 mm jack - 2000 mm	18 238 03



## Dimensional drawing / installation





## MultiSwitch Touch

### Advantages

- ▶ Sensor with dimming function for flush installation or surface mounting
- ▶ Connection of 1 to 3 identical sensors to 1 master unit
- ▶ With built-in orientation LED

### Features

- ▶ Soft ON/OFF function (soft-start when power on/off)
- ▶ Memory function for power failure
- ▶ Not compatible with dimmers

### Examples of use

- ▶ As touch button with dimming function
- ▶ As on/off switch and changeover switch

### Ordering information

- ▶ For other sensors, see pages below
- ▶ Only for use with dimmable LED lamps
- ▶ Sales unit: 1
- ▶ As individual switch (see LED Touch)

### Technical details in brief



HV

12 V

24 V  
MP

Can be used with: LED lights  
 Surface finish: Aluminium look  
 Operating voltage: 12 / 24 V DC  
 230 V AC  
 Max. switching power: 36 W / 72 W / 500 W  
 Test marks and symbols:      
 Sensor lead: 1800 mm  
 Supply lead: 2000 mm cable to master unit  
 Switching lead: 300 mm  
 Standby: < 0.5 W

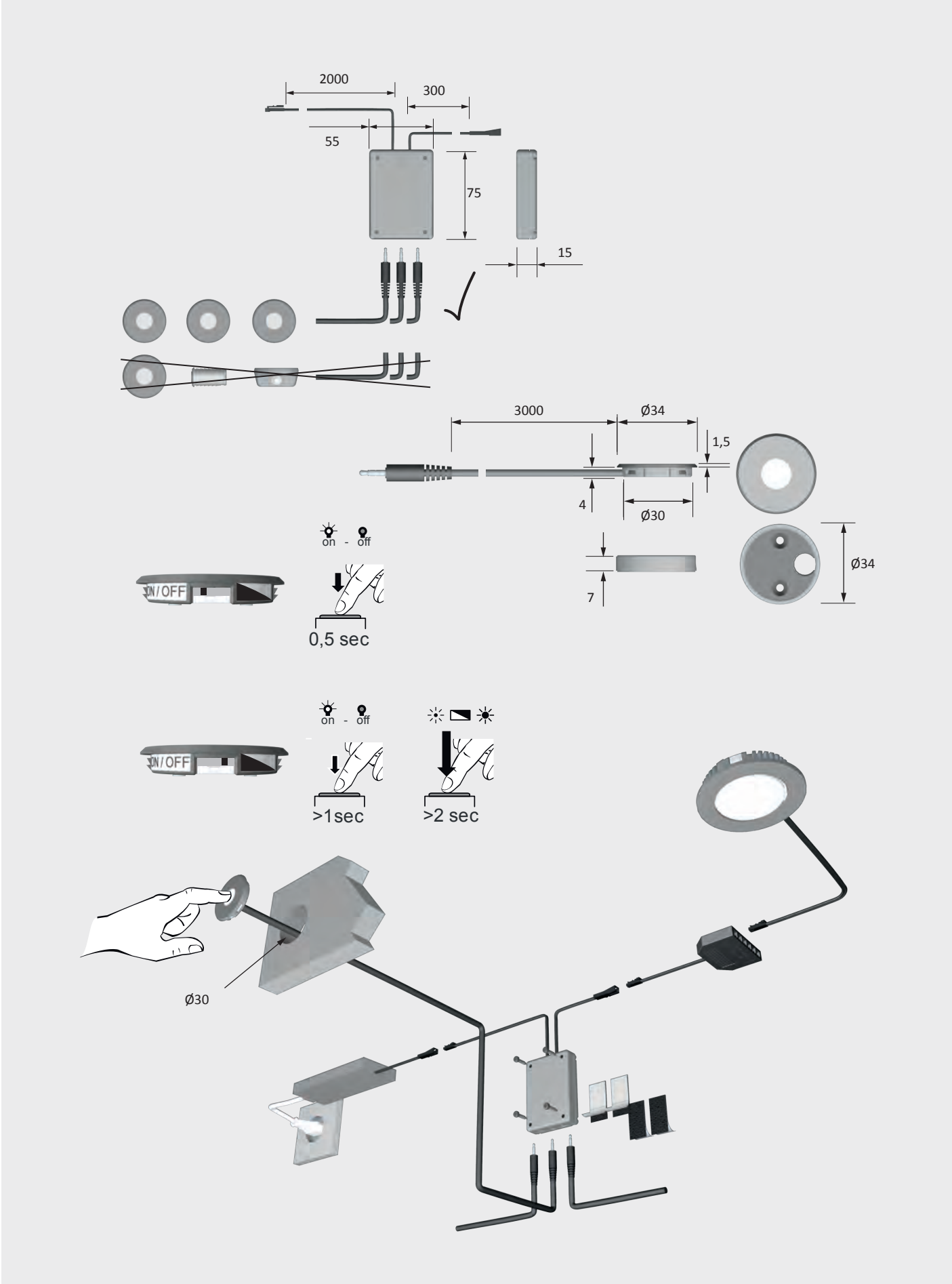
### MultiSwitch Touch (sensor switch)

Article	Order no.
Sensor for integration, including surface mounting housing	30 177 01
Master unit 230 V AC - max. switching power: 500 W	30 179 01
Master unit 12 V DC - max. switching power: 36 W	30 764 01
Master unit 24 V DC - max. switching power: 72 W	30 764 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Extension lead sensor cable - 2.5 mm jack - 2000 mm	18 238 03

## Dimensional drawing / installation







## X-Mitter

### Advantages

- ▶ 1-channel wireless switch
- ▶ Comfortable light switching

### Features

- ▶ One transmitter can switch any number of receivers
- ▶ Each receiver can be linked to up to 9 transmitters
- ▶ Switching of high-voltage lamps, electronic ballasts, transformers, and other devices of protection classes I and II
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching of furniture lights

### Ordering information

- ▶ Kit consists of X-Mitter high-voltage wireless switch (receiver), X-Mitter hand-held wireless transmitter and a drill-hole mounting ring
- ▶ AppMitter for control from smartphone

### X-Mitter (wireless switch)

Article	Order no.
X-Mitter wireless switching set with Schuko plug	30 765 01
X-Mitter wireless switching set with flat Euro plug	30 766 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

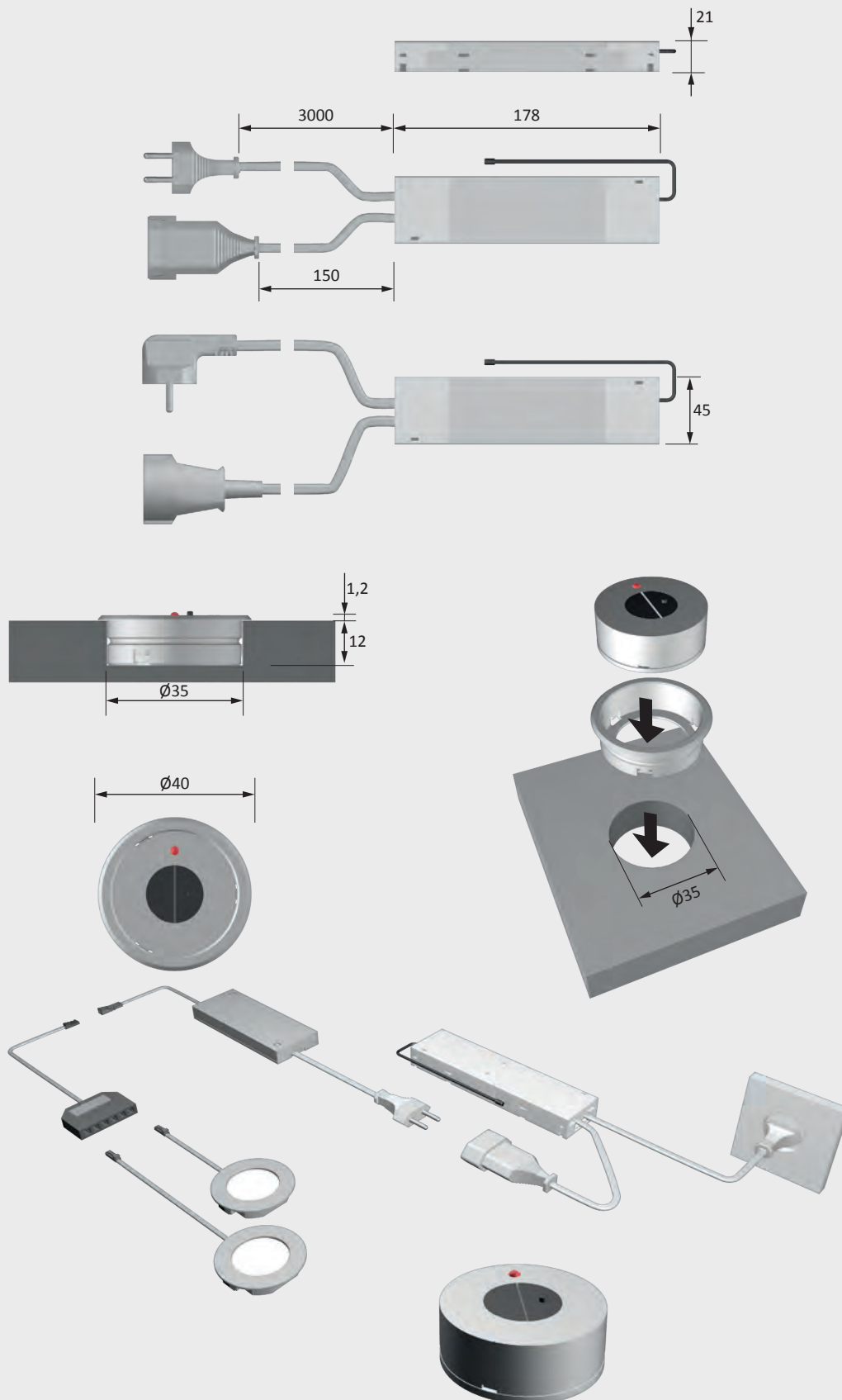
Article	Order no.
X-Mitter wireless hand-held transmitter	30 481 01
X-Mitter desk housing	19 972 06
2-way distributor for flat Euro plug	36 326 01
4-way distributor for flat Euro plug (for X-Mitter with Schuko plug only)	36 237 02
AppMitter Bluetooth power socket dongle	30 578 01

### Technical details in brief



Can be used with:	High voltage lamps / transformers / LED ballasts
Surface finish:	Aluminium look
Plug connection:	High voltage plug connection
Switching voltage:	230-240 V AC
Max. switching power:	max. 500 W
Test marks and symbols:	CE Ⓢ ⚡ ⚡
Supply lead:	3000 mm
Standby:	< 0.5 W

## Dimensional drawing / installation





## S-Mitter

### Advantages

- ▶ Control of up to 5 lighting circuits (5 receivers) with 1 remote control

### Features

- ▶ Dimming function
- ▶ Storage of up to 4 light scenes
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching and dimming of furniture lights

### Ordering information

- ▶ 1 receiver can be combined with up to 5 remote controls
- ▶ AppMitter for control from smartphone

### Technical details in brief



Can be used with: LED lights  
 Surface finish: Black  
 Plug connection IN: M1 / MP2  
 Plug connector OUT: M1 / MP2  
 Switching voltage: 12 / 24 V DC  
 Max. switching power: 36 W / 72 W  
 Test marks and symbols:      
 Supply lead: 160 mm  
 Switching lead: 160 mm  
 Standby: < 0.3 W

### S-Mitter (wireless switch)

Article	Order no.
S-Mitter wireless switching kit 12 V DC	30 924 05
S-Mitter wireless switching kit 24 V DC	30 925 05
S-Mitter wireless hand-held transmitter	30 922 05

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
Repeater 12 V (max. 36 W)*	30 263 07
Repeater 24 V (max. 72 W)*	30 263 08
AppMitter Bluetooth power socket dongle	30 578 01

\* one repeater allows for the control of more than 36 W at 12 V and 72W at 24 V, respectively



## Dimensional drawing / installation





## Tri-Mitter

### Advantages

- ▶ Top-design wireless switch
- ▶ Switching or dimming of up to 3 independent 12 V or 24 V circuits
- ▶ For impressive lighting effects in furniture

### Features

- ▶ The 3 channels of the receiver can be switched individually or together by the TRI-Mitter
- ▶ Memory function for power failure

### Examples of use





- ▶ Furniture lighting

### Ordering information

- ▶ Kit consists of Tri-Mitter receiver, Tri-Mitter hand-held wireless transmitter and drill-hole mounting ring
- ▶ Only for use with dimmable LED lamps
- ▶ AppMitter for control from smartphone

### Technical details in brief



Can be used with: LED lights  
 Surface finish: Aluminium look  
 Plug connection IN: LED mini plug connection M1 / MP2  
 Plug connector OUT: M1 / MP2  
 Switching voltage: 12 / 24 V DC  
 Max. switching power: 3 x 36 W / 3 x 72 W  
 Test marks and symbols:      
 Supply lead: 160 mm  
 Switching lead: 160 mm  
 Standby: 0.3 W

### Tri-Mitter (wireless switch)

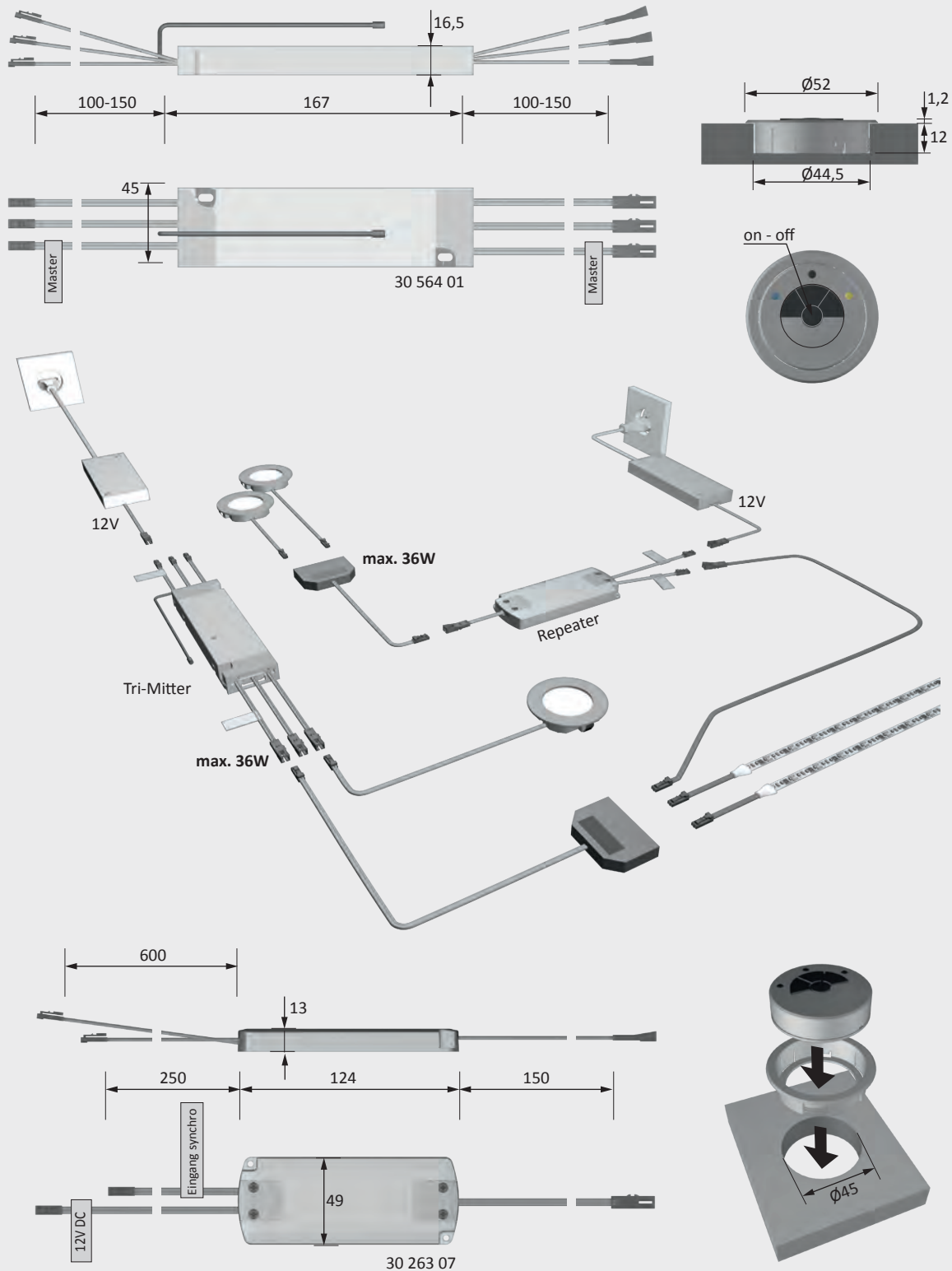
Article	Order no.
Tri-Mitter wireless switching kit 12 V DC	30 588 01
Tri-Mitter wireless switching kit 24 V DC	30 589 01
Tri-Mitter wireless hand-held transmitter	30 590 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

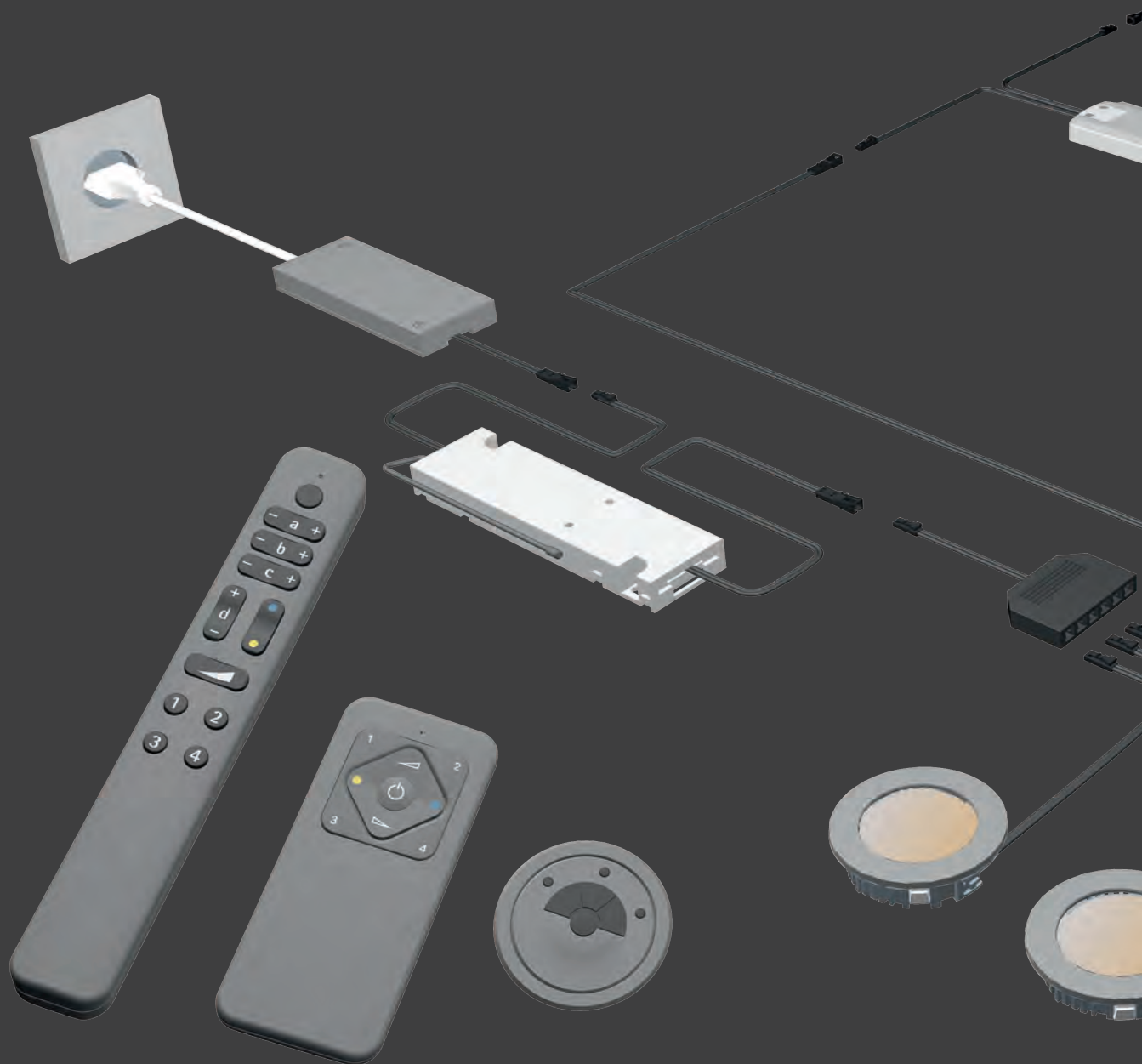
Article	Order no.
Repeater 12 V (max. 36 W)*	30 263 07
Repeater 24 V (max. 72 W)*	30 263 08
AppMitter Bluetooth power socket dongle	30 578 01

\* one repeater allows for the control of more than 36 W at 12 V and 72W at 24 V, respectively

## Dimensional drawing / installation





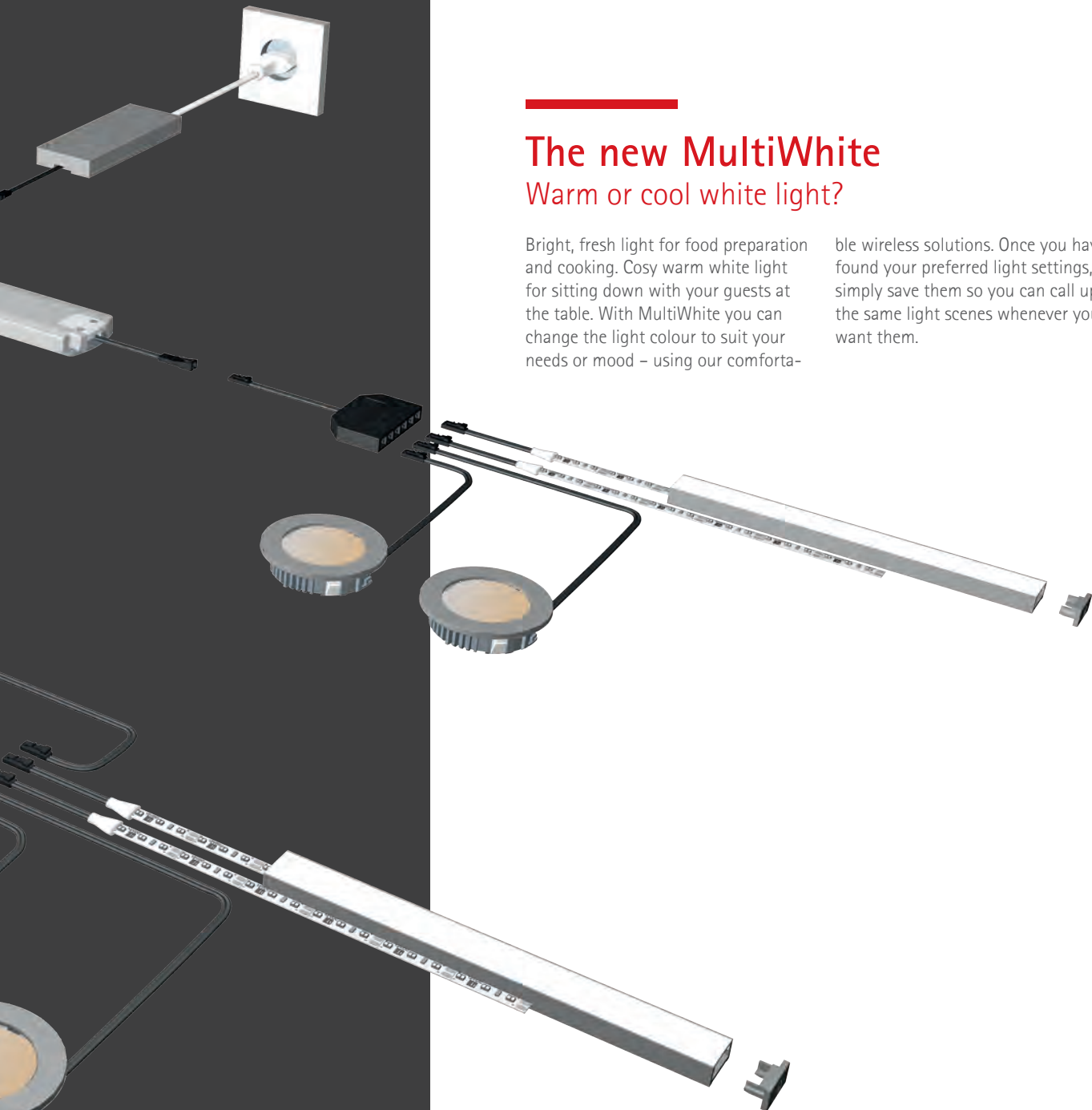


## The new MultiWhite

### Warm or cool white light?

Bright, fresh light for food preparation and cooking. Cosy warm white light for sitting down with your guests at the table. With MultiWhite you can change the light colour to suit your needs or mood – using our comforta-

ble wireless solutions. Once you have found your preferred light settings, simply save them so you can call up the same light scenes whenever you want them.





## S-Mitter MultiWhite

### Advantages

- ▶ Control of up to 5 lighting circuits (5 receivers) with 1 remote control
- ▶ 1 receiver can be combined with up to 5 remote controls
- ▶ Continuous adjustment of light colour from cool white to warm white

### Features

- ▶ Dimming function
- ▶ Storage of up to 4 light scenes
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching and dimming of MultiWhite furniture lights
- ▶ For impressive lighting effects in furniture

### Ordering information

- ▶ Kit consists of S-Mitter receiver and S-Mitter hand-held wireless transmitter
- ▶ AppMitter for control from smartphone

### Technical details in brief



**12 V**

Can be used with:  
 Surface finish: LED lights  
 Plug connection IN: Black  
 Plug connector OUT: M1  
 Switching voltage: M1  
 Switching power: 12 V DC  
 Test marks and max. 36 W  
 symbols:  
 Supply lead: 160 mm  
 Switching lead: 160 mm  
 Standby: < 0.5 W

### S-Mitter MultiWhite

Article	Order no.
S-Mitter MultiWhite wireless kit	30 773 01
MultiWhite transmitter	30 774 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

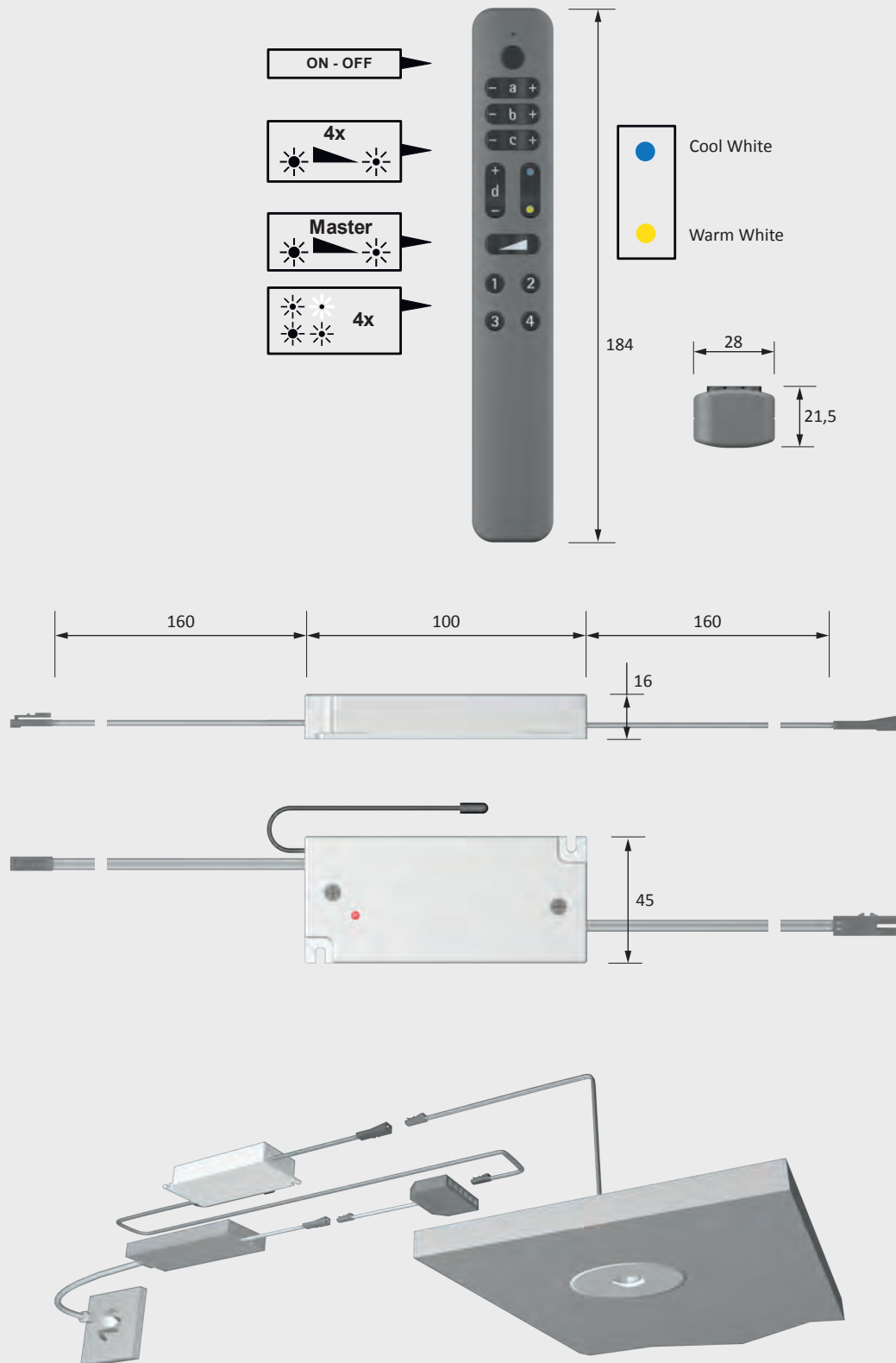
Article	Order no.
MultiWhite repeater*	30 777 01
MultiWhite adjuster**	30 776 01
AppMitter Bluetooth power socket dongle	30 578 01

\* a repeater enables you to extend the performance range of the MultiWhite control device by another 36 W

\*\* for colour control of various lamp types (e.g. spotlights and light bands)



## Dimensional drawing / installation





## S-Mitter Basic MultiWhite

### Advantages

- ▶ One transmitter can switch any number of receivers
- ▶ 1 receiver can be combined with up to 5 remote controls
- ▶ Continuous adjustment of light colour from cool white to warm white

### Features

- ▶ Dimming function
- ▶ Storage of up to 4 light scenes
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching and dimming of MultiWhite furniture lights
- ▶ For impressive lighting effects in furniture

### Ordering information

- ▶ Kit consists of S-Mitter receiver and S-Mitter hand-held wireless transmitter
- ▶ AppMitter for control from smartphone

### Technical details in brief



Can be used with:  
Surface finish:  
Plug connection IN:  
Plug connector OUT:  
Switching voltage:  
Switching power:  
Test marks and symbols:  
Supply lead:  
Switching lead:  
Standby:

LED lights  
Black  
M1  
M1  
12 V DC  
max. 36 W

CE     
160 mm  
160 mm  
< 0.5 W

### S-Mitter Basic MultiWhite

Article	Order no.
S-Mitter Basic MultiWhite wireless kit	30 772 01
S-Mitter MultiWhite receiver	30 774 01

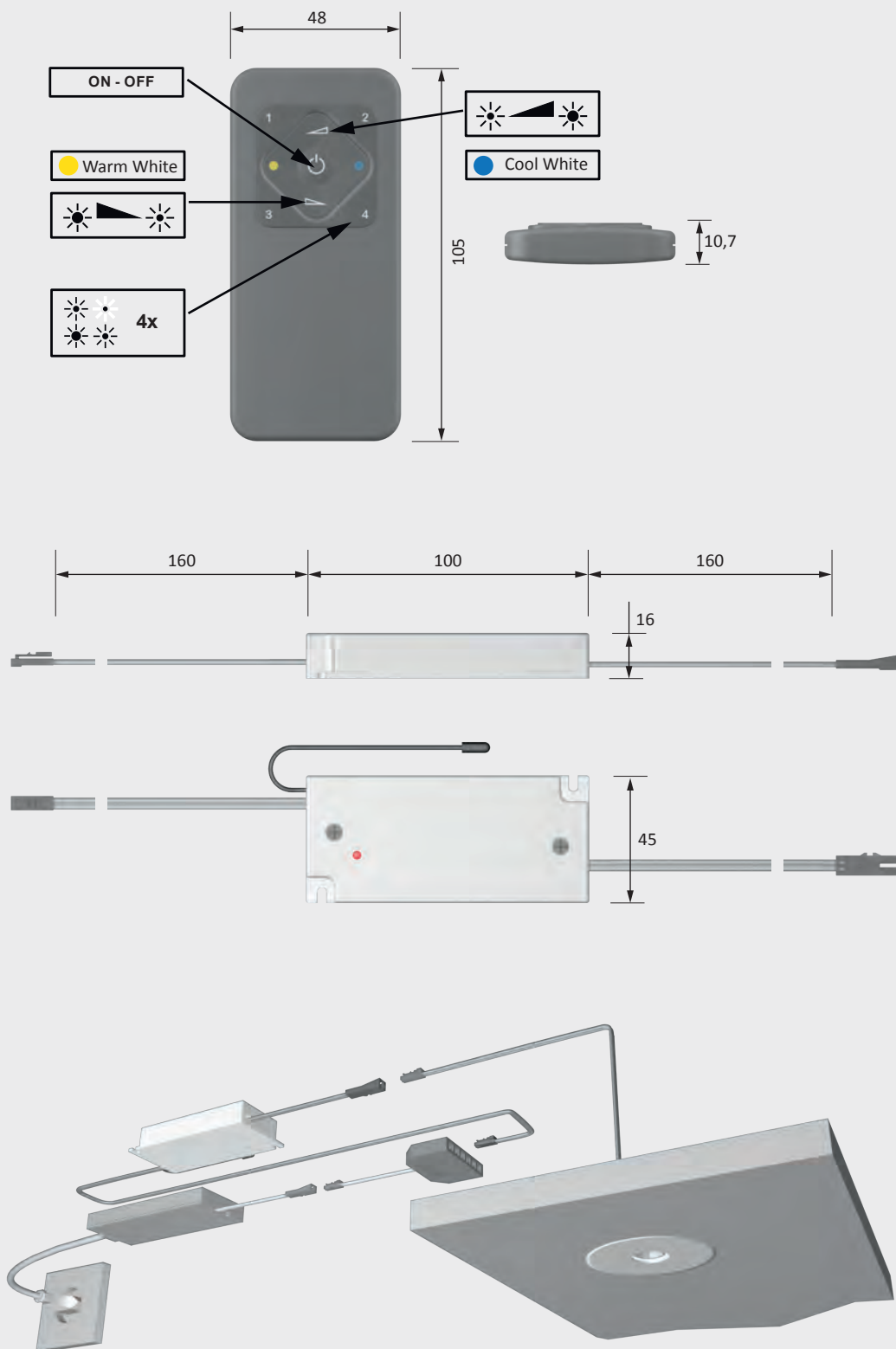
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
MultiWhite repeater*	30 777 01
MultiWhite adjuster (for fine-tuning of various lamps)**	30 776 01
AppMitter Bluetooth power socket dongle	30 578 01

\* a repeater enables you to extend the performance range of the MultiWhite control device by another 36 W

\*\* for colour control of various lamp types (e.g. spotlights and light bands)

## Dimensional drawing / installation





## Tri-Mitter MultiWhite

### Advantages

- ▶ One transmitter can switch any number of receivers
- ▶ 1 receiver can be combined with up to 5 remote controls
- ▶ Continuous adjustment of light colour from cool white to warm white

### Features

- ▶ Dimming function
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching and dimming of MultiWhite furniture lights
- ▶ For impressive lighting effects in furniture

### Ordering information

- ▶ Kit consists of Tri-Mitter receiver, Tri-Mitter hand-held wireless transmitter and drill-hole mounting ring
- ▶ AppMitter for control from smartphone

### S-Mitter MultiWhite

Article	Order no.
Tri-Mitter MultiWhite wireless kit	30 771 01
MultiWhite transmitter	30 774 01
Tri-Mitter additional transmitter	30 770 01

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
MultiWhite repeater*	30 777 01
MultiWhite adjuster**	30 776 01
AppMitter Bluetooth power socket dongle	30 578 01

\* a repeater enables you to extend the performance range of the MultiWhite control device by another 36 W

\*\* for colour control of various lamp types (e.g. spotlights and light bands)

### Technical details in brief



Can be used with:  
Surface finish:  
Plug connection IN:

LED lights  
Aluminium look  
LED mini  
M1 plug connection

Plug connector OUT:

M1

Switching voltage:

12 V DC

Switching power:

max. 36 W

Test marks and symbols:

CE ⬢ ▽ ▽

Supply lead:

150 mm

Switching lead:

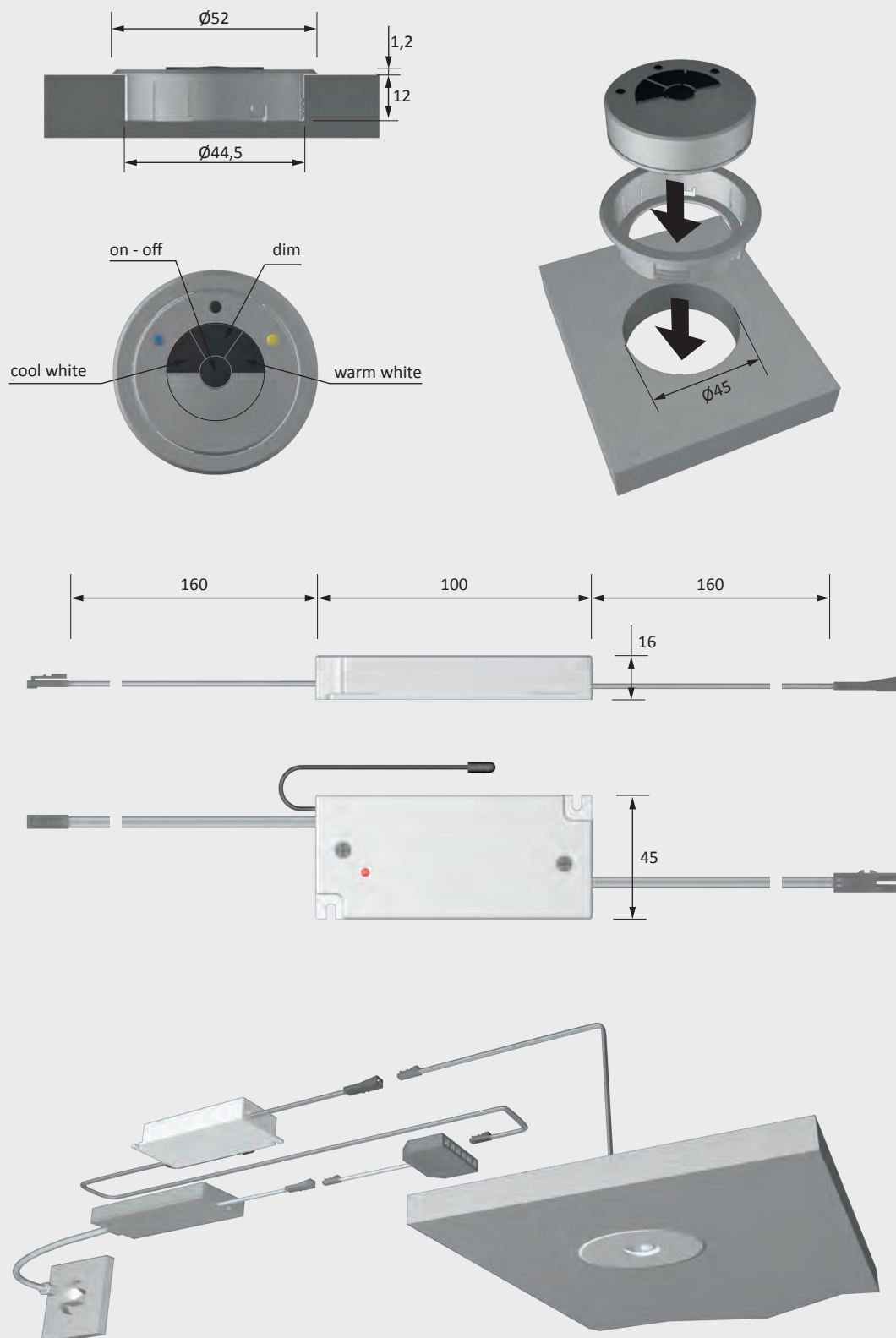
160 mm

Standby:

< 0.5 W



## Dimensional drawing / installation





## BasicControl MultiWhite

### Advantages

- ▶ Entrance-level wired MultiWhite control
- ▶ Adjustment of light colour from cool white to warm white

### Features

- ▶ Dimming function
- ▶ With built-in orientation LED
- ▶ Memory function for power failure

### Examples of use

- ▶ Switching and dimming of MultiWhite furniture lights
- ▶ For impressive lighting effects in furniture

### Ordering information

- ▶ With more than 36 W controlled lighting power, a repeater can be used for synchronisation

### Technical details in brief



Can be used with:	LED lights
Surface finish:	Aluminium look
Plug connection IN:	LED mini M1 plug connection
Plug connector OUT:	M1
Operating voltage:	12 V DC
Max. switching power:	36 W
Test marks and symbols:	CE ◊ ▽ ▽
Supply lead:	1 m
Switching lead:	1 m to LED light
Standby:	< 0.5 W

### BasicControl MultiWhite

Article	Order no.
BasicControll MultiWhite	30 775 01

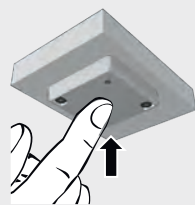
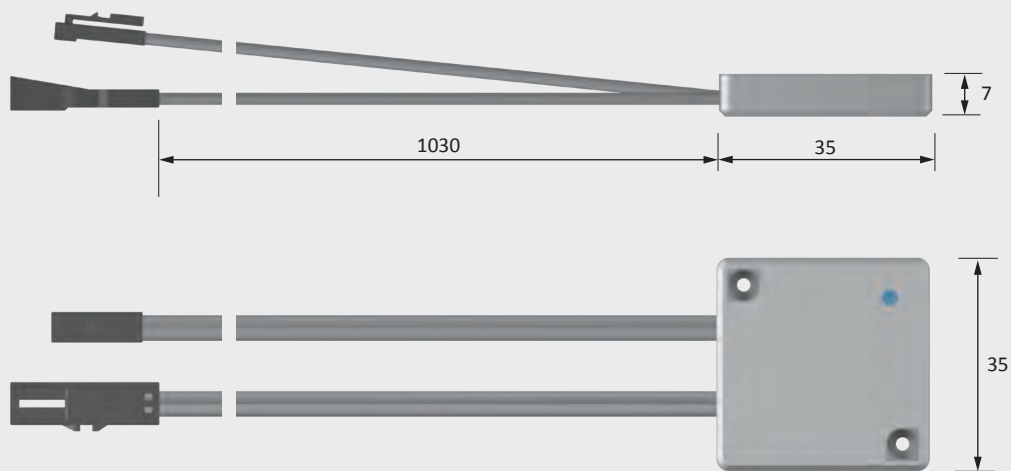
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

Article	Order no.
MultiWhite repeater*	30 777 01
MultiWhite adjuster**	30 776 01

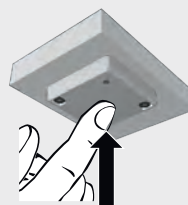
\* a repeater enables you to extend the performance range of the MultiWhite control device by another 36 W

\*\* for colour control of various lamp types (e.g. spotlights and light bands)

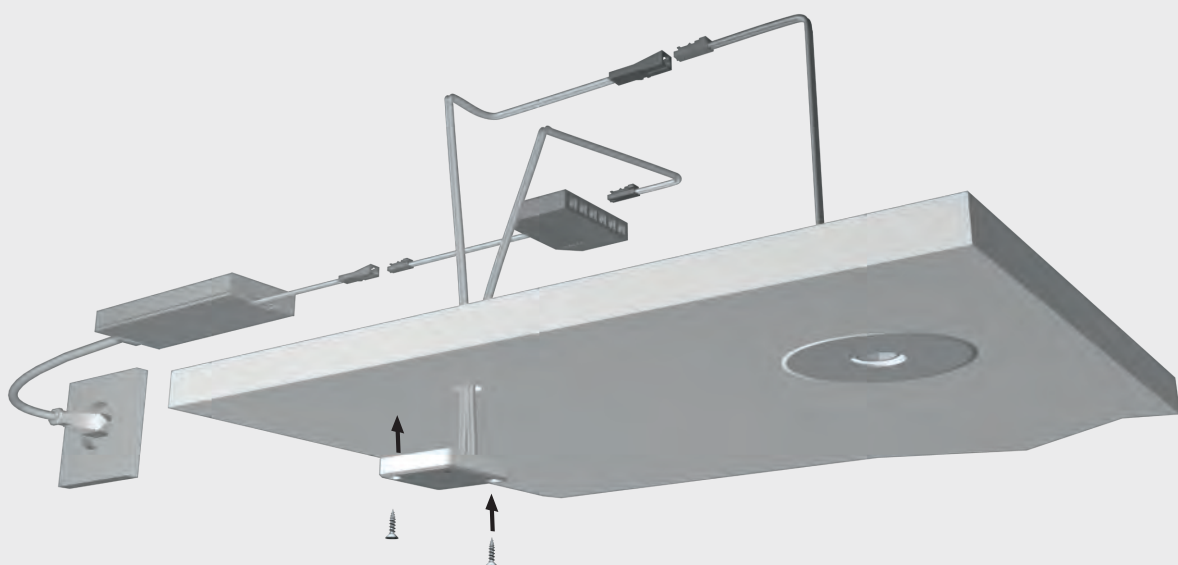
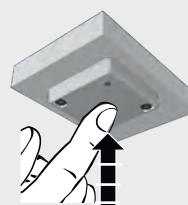
## Dimensional drawing / installation



0,5 sec



>1 sec





## AppMitter

### Advantages

- ▶ AppMitter connects your smartphone or tablet to the HALEMEIER wireless control
- ▶ For controlling all wireless lighting solutions, e.g. X-Mitter, Tri-Mitter or S-Mitter (switching, dimming light colour control)

### Features

- ▶ Bluetooth connection
- ▶ Easy installation of hardware without interference in WLAN or safety settings

### Examples of use



- ▶ Furniture lighting
- ▶ For impressive lighting effects in furniture

### Ordering information

- ▶ Wireless receiver must be ordered separately
- ▶ The free app is available for IOS and Android

### Technical details in brief



Can be used with:	X-Mitter (all versions) Tri-Mitter S-Mitter OEM wireless switch
Surface finish:	Black
Operating voltage:	230 V AC
Power: max.	3 W
Standby output:	< 0.5 W
Test marks and symbols:	CE  
Wireless technology:	Bluetooth 4.0

### AppMitter

Article	Order no.
AppMitter Bluetooth power socket dongle	30 578 01



## Dimensional drawing / installation





## MagicSwitch

### Advantages

- Invisible switch for range of applications

### Features

- Mounted on the back of the panel or incorporated into a 35 mm blind hole, the MagicSwitch detects motion on the front panel and then switches
- The MagicSwitch only works in conjunction with non-metallic surfaces and materials such as wood, glass and ceramics up to a material thickness of 19 mm

### Examples of use

- Switching of furniture lights

### MagicSwitch

Article	Order no.
MagicSwitch	30 954 02

### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

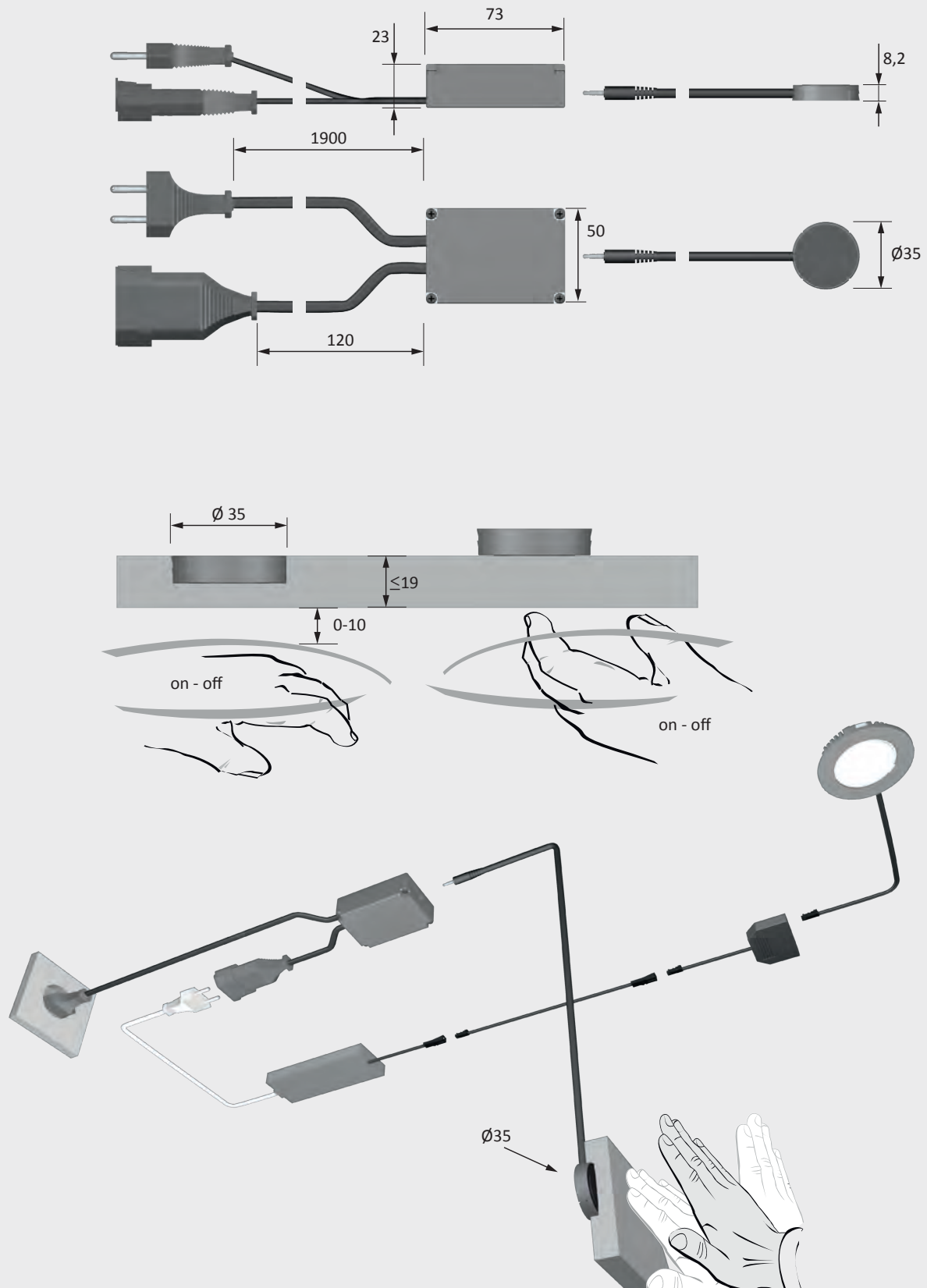
Article	Order no.
2-way distributor for flat Euro plug	36 326 01

### Technical details in brief



Can be used with:	Fluorescent lamps, LED lights, halogen lights
Surface finish:	Black
Switching voltage:	230 V AC
Max. switching power:	250 W
Test marks and symbols:	CE ▽ ▽ ▽ ▽
Supply lead:	1800 mm
Secondary lead:	120 mm
Switching lead:	1900 mm
Standby:	< 0.5 W

## Dimensional drawing / installation





## LED Touch

### Advantages

- ▶ Sensor with dimming function for flush installation or surface mounting
- ▶ With built-in orientation LED

### Features

- ▶ Memory function for power failure
- ▶ Not compatible with upstream dimmers

### Examples of use






- ▶ Switching and dimming of furniture lights
- ▶ ON/OFF switch

### Ordering information

- ▶ Only for use with dimmable LED lamps
- ▶ Sales unit: 1
- ▶ As changeover switch, see MultiSwitch Touch

### Technical details in brief



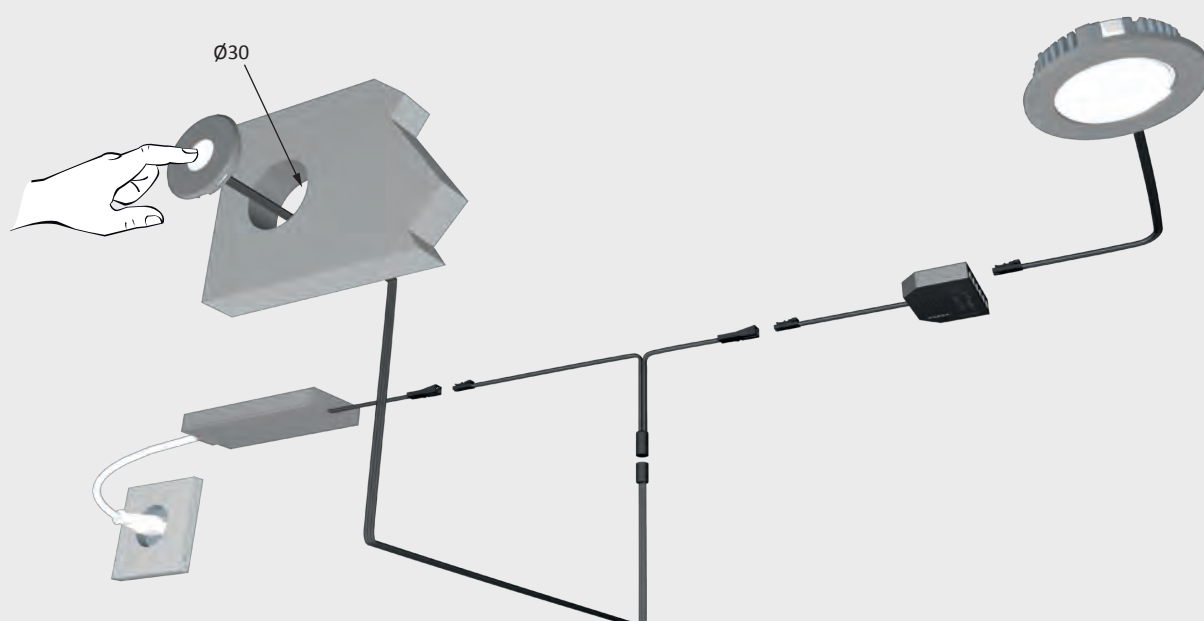
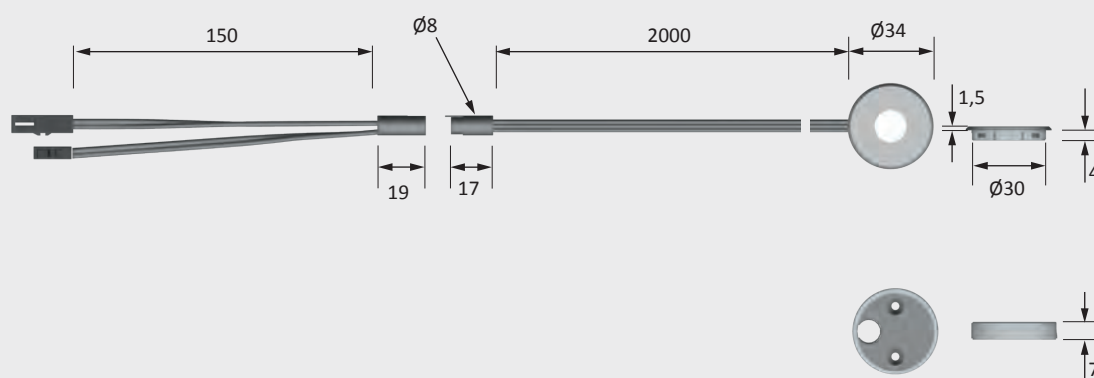
Can be used with: LED lights  
 Surface finish: Aluminium look  
 Operating voltage: 12 V DC  
 Max. switching power: 36 W  
 Test marks and symbols:       
 Supply lead: 2 m  
 Switching lead: 2 m to LED light  
 Standby: < 0.5 W

### LED Touch (sensor switch / dimmer)

Article	Order no.
LED Touch dimmer	30 178 01



## Dimensional drawing / installation





## LED dimmer

### Advantages

- ▶ LED dimmer
- ▶ Metal button

### Features

- ▶ Memory function for power failure
- ▶ The LED dimmer enables the switching and dimming of LED lights and LED lighting groups with an operating voltage of 12 V DC

### Examples of use

- ▶ Switching and dimming of furniture lights

### Ordering information

- ▶ The LED dimmer must not be used in combination with sensor or wireless switches
- ▶ Sales unit: 1

### LED dimmer / switch

Article

Dimmer

Order no.

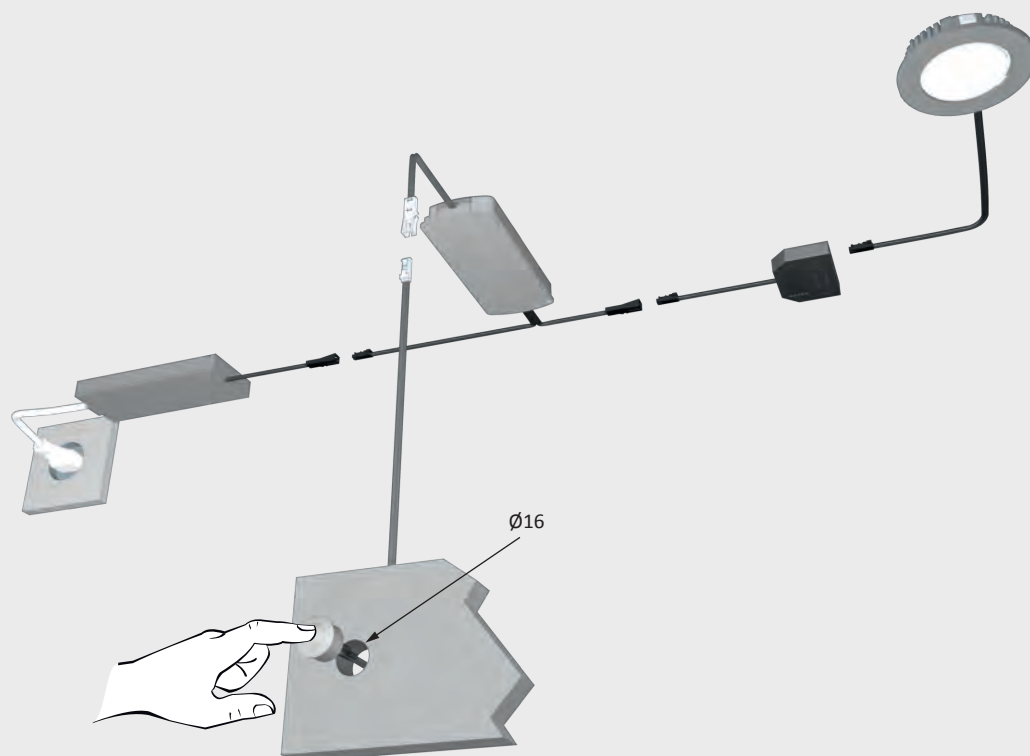
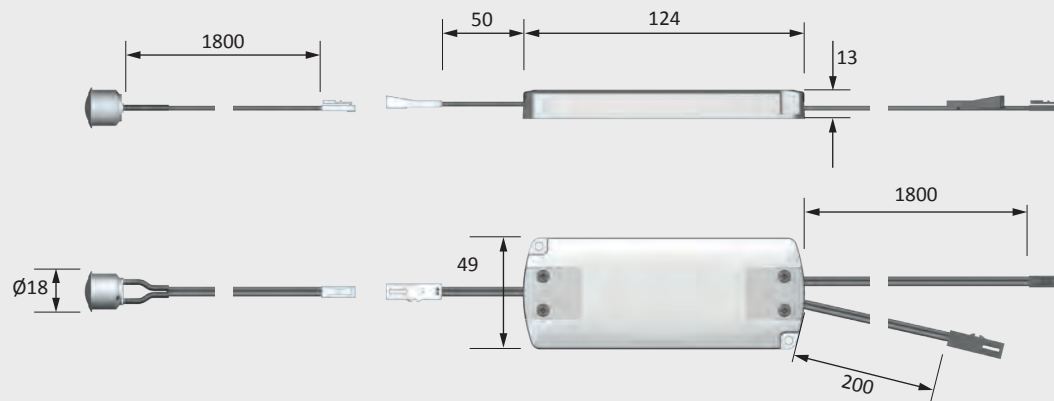
30 538 01

### Technical details in brief



Can be used with: LED lights  
 Surface finish: Stainless steel  
 Plug connection: LED mini  
 M1 plug connection  
 Switching voltage: 12 V DC  
 Max. switching power: 36 W  
 Test marks and symbols:       
 Supply lead: 1700 mm  
 Switching lead: 200 mm  
 Standby: < 0.5 W

## Dimensional drawing / installation





## Dimmer angle element

### Advantages

- For switching and dimming

### Features

- Memory function for power failure
- For surface mounting

### Examples of use

- Switching and dimming of furniture lights

### Ordering information

- LED ballasts and LED lights must be ordered separately
- Sales unit: 1

### Technical details in brief

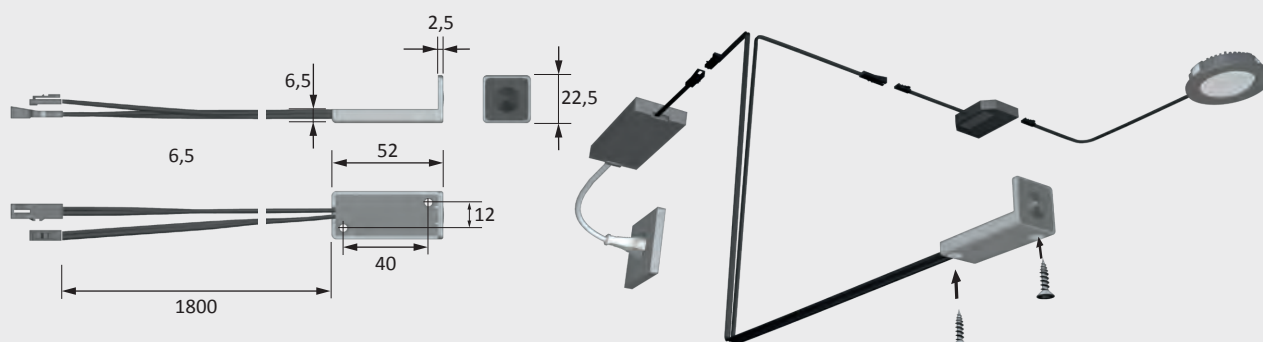


Can be used with:	LED lights
Plug connection:	LED mini M1 plug connector
Switching voltage:	12 V DC
Max. switching power:	36 W
Test marks and symbols:	CE
Supply lead:	1800 mm
Control lead:	1800 mm
Standby:	< 0.5 W

### Dimmer angle element

Article	Order no.
Dimmer angle element	30 575 01

### Dimensional drawing / installation







## Dimmer module

### Advantages

- Dimmer module
- For connection to house installation dimmers

### Features

- For use with 1-10 V control systems only

### Examples of use





- Furniture lighting

### Ordering information

- For 1-10 V control signal / potentiometer  
150 kilohm or 220 kilohm
- LED ballasts and LED lights must be ordered separately
- Sales unit: 1

### Technical details in brief



Can be used with:	LED lights
Plug connection:	LED mini M2 plug connector
Switching voltage:	24 V DC
Max. switching power:	80 W
Test marks and symbols:	CE    
Supply lead:	300 mm
Control lead:	300 mm
Standby:	< 0.5 W

### Dimmer module

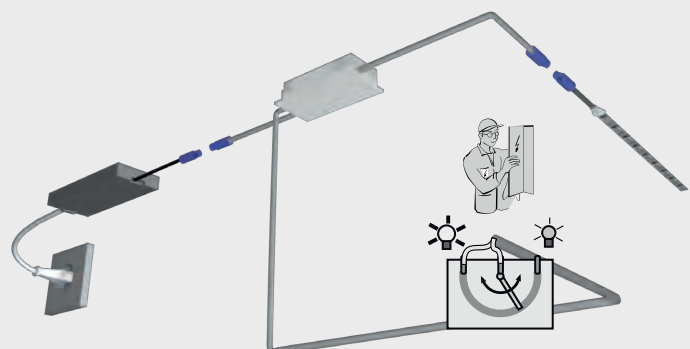
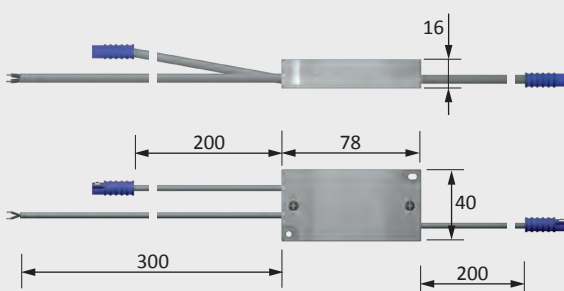
Article

Order no.

Dimming module 1-10 V

30 580 01

### Dimensional drawing / installation





## Rocker switch

### Advantages

- Simple built-in switch

### Examples of use

- Switching of furniture lights

### Ordering information

- Image above shows SuperDot with rocker switch
- Sales unit: 1
- Housing for surface mounted switch must be ordered separately

### Technical details in brief



Can be used with:  
Surface finish:

Lights  
Aluminium look /  
black

Operating voltage:

12 V DC /  
230-230 V

Test marks and  
symbols:

CE V W

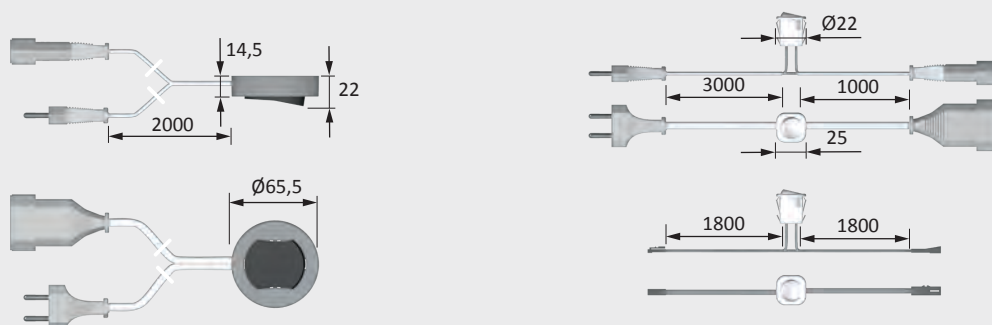
Plug connection:

LED mini  
M1 plug connector /  
flat Euro plug

### Rocker switch

Article	Surface finish	Voltage	Switching power	Supply lead	Switching lead	Order no.
Rocker switch	Aluminium look	12 V DC	max. 36 W	1800 mm	1800 mm	36 974 81
Rocker switch	Black	220-230 V	max. 400 W	3000 mm	1000 mm	36 218 01
Surface-mounted switch		220-230 V	max. 400 W	2000 mm	2000 mm	36 241 01
Housing	Aluminium look					36 241 06
Housing	Stainless steel look					36 241 09

### Dimensional drawing / installation





## USB socket

### Advantages

- USB charger socket
- for connection of 2 devices

### Features

- For drill-in mounting
- Quick charging of mobile and table

### Examples of use

- USB devices

### Ordering information

- Sales unit: 1
- Ballast must have free capacity of minimum 15 W

### Technical details in brief



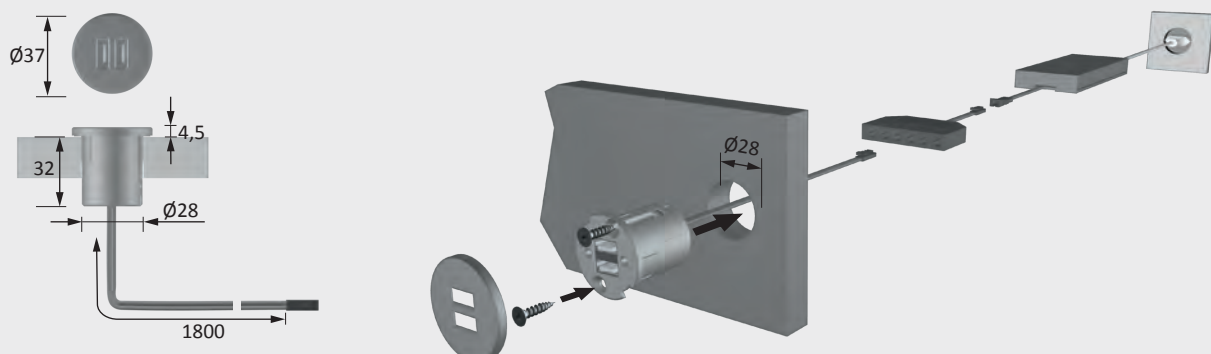
Type:  
Surface finish:  
Operating voltage:  
Charging current:  
Test marks and  
symbols:  
Plug connection:

Flush installation  
Aluminium look  
12 V DC  
max. 2.1 A

CE   
LED mini  
M1 plug connector

USB socket	
Article	Order no.
USB socket	30 574 02

### Dimensional drawing / installation







## Infrared Repeater Plus

### Advantages

- Infrared reach extension for furniture applications and devices such as DVD/Blue-ray players
- Players and game consoles disappear into furniture but can still be controlled

### Features

- The infrared signal from a remote controller is picked up by the receiver and forwarded to the furniture

### Examples of use

- Furniture for TV sets, hi-fi systems and game consoles

### Ordering information

- Set includes control unit, receiver, transmitter and plug-in power supply unit
- The kit can be supplemented by two additional transmitters

### Technical details in brief



Surface finish:  
Plug connection:

Aluminium look  
LED mini  
M1 plug connection  
12 V DC

Switching voltage:

Test marks and  
symbols:

Supply lead:

Switching lead:

Standby:





IR frequency band:

1700 mm

200 mm

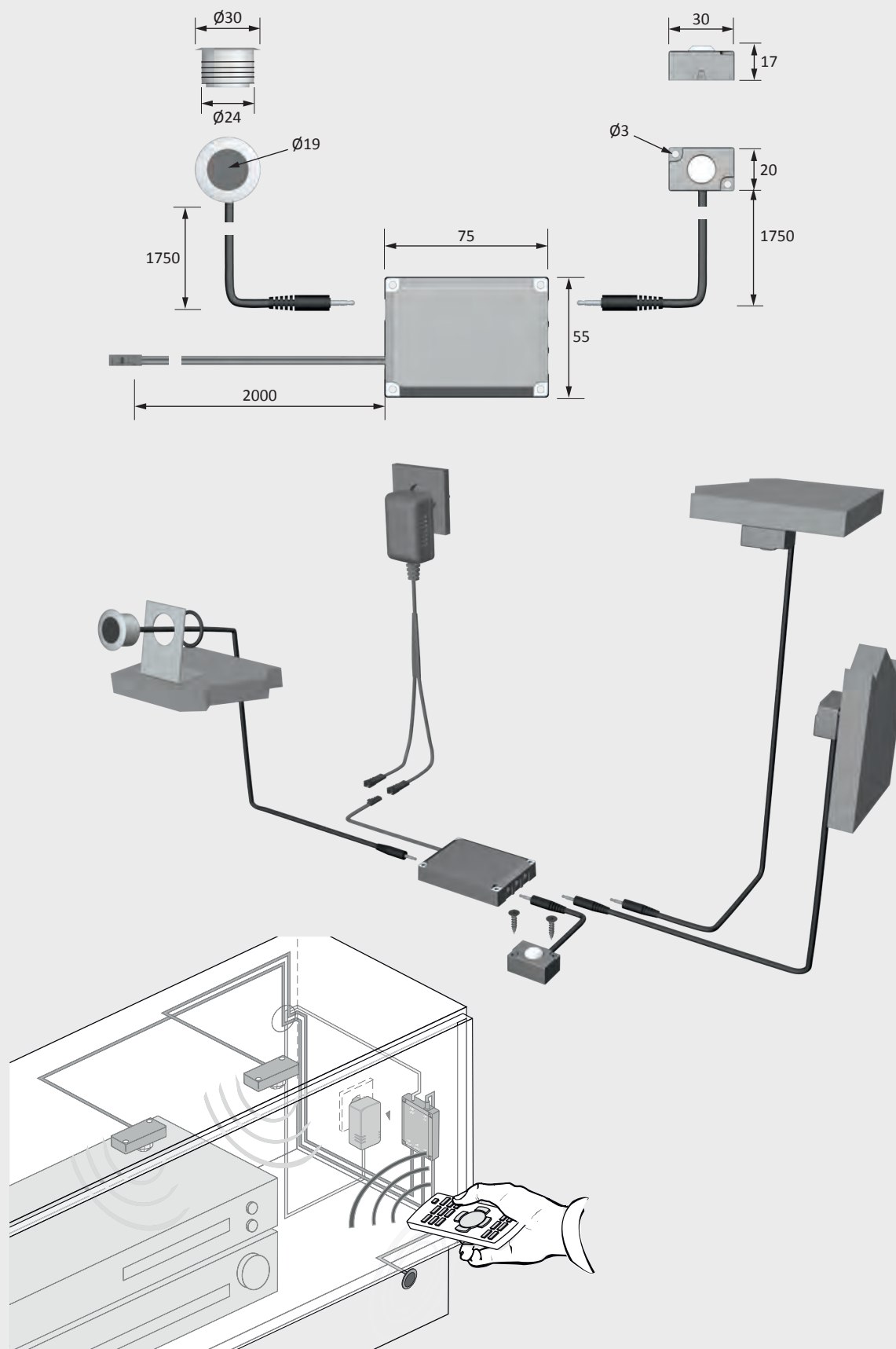
< 0.5 W

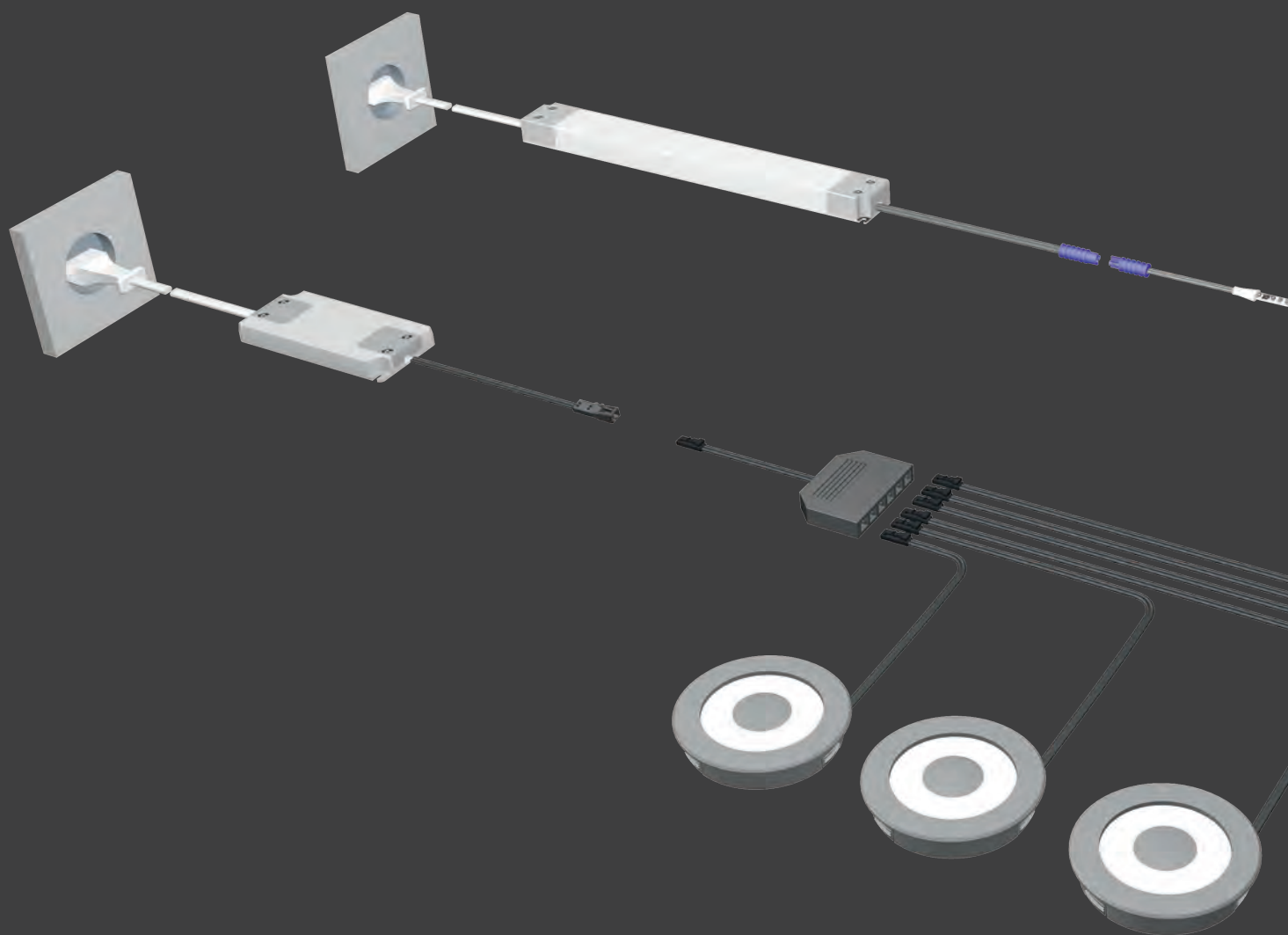
20-60 Hz

CE    



## Dimensional drawing / installation





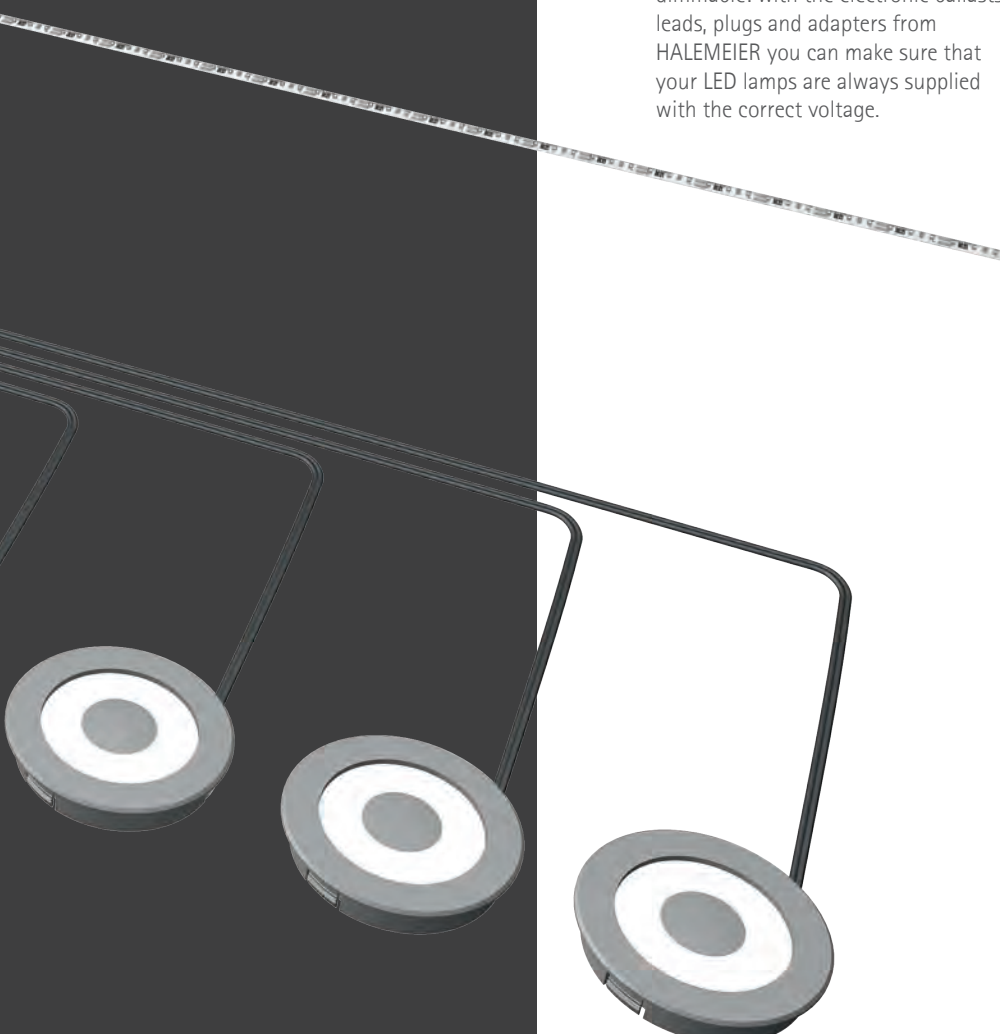
EVG	Super Swing Super Spot	SuperSpot eco	Swing S-Flat	PowerLite MiniFlat	MultiLite Flood	SignPlus SignSquare	Eco Power L	Eco Power Flood	Eco Spot	Point	Power Square	Super Dot Star Point
	6,8 W	4,2 W	2,5 W	3,5 W	4 W	2,3 W	3,2 W	1,7 W	1,5 W	2,7 W	1,8 W	1,2 W
6W	-	1x	2x	1x	1x	2x	1x	3x	4x	2x	3x	5x
10W	1x	2x	4x	2x	2x	4x	3x	5x	6x	3x	5x	8x
15W	2x	3x	6x	4x	3x	6x	4x	8x	10x	5x	8x	12x
20W	2x	4x	8x	5x	5x	8x	6x	11x	13x	7x	11x	16x
30W	4x	7x	12x	8x	7x	13x	9x	17x	20x	12x	16x	25x
50W	7x	11x	20x	14x	12x	21x	15x	29x	33x	18x	27x	41x

## Ballasts & leads

### The right connections for your LEDs

12 V or 24 V – dimmable or not dimmable: with the electronic ballasts, leads, plugs and adapters from HALEMEIER you can make sure that your LED lamps are always supplied with the correct voltage.

Find out more about the power levels we offer. On request we provide the matching cable duct.





## Plug ballast 12 V

### Features

- ▶ Short-circuit-proof
- ▶ Overload-protected
- ▶ Temperature-protected

### Examples of use

- ▶ For 12 V DC furniture lights

### Ordering information

- ▶ The ballast power must be equal to or greater than the total power of the connected consumers

### Technical details in brief



For use with:  
Surface finish:  
Operating voltage:  
Mains frequency:  
Output voltage:  
Test marks and  
symbols:  
Plug connection:

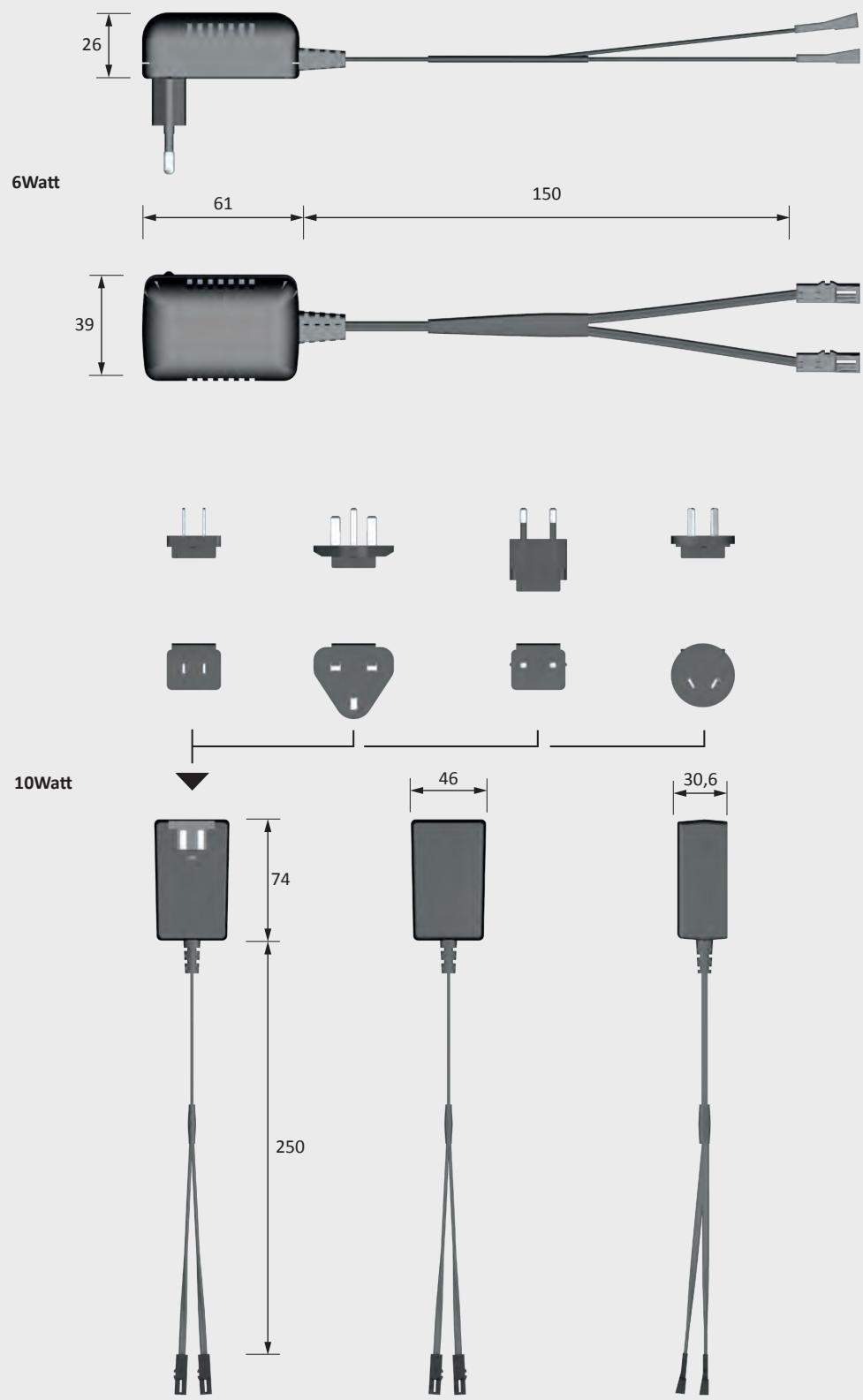
LED lights  
black  
100-240 V AC  
50-60 Hz  
12 V DC  
  
CE      
LED mini  
M1 plug connection

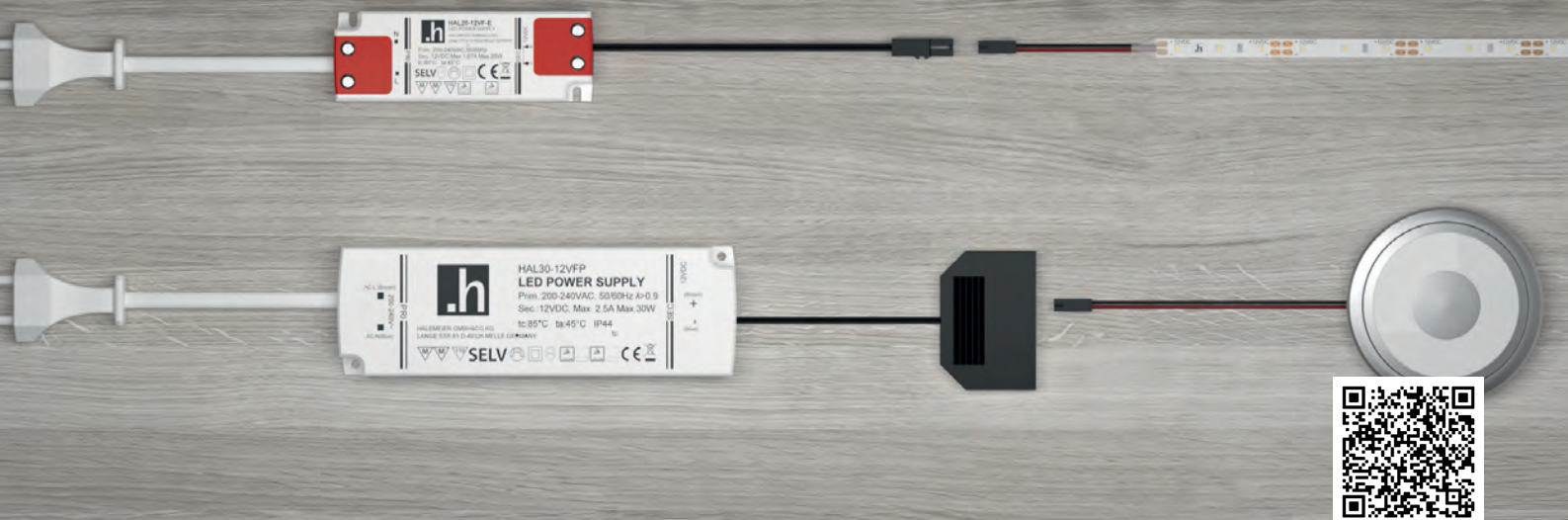
### Plug ballast 12 V

Article	Order no.
6 W - 240 V AC	30 563 03
10 W 110-240 V AC wide-range voltage (flat Euro plug, UK, Australia, USA)	30 529 01



## Dimensional drawing / installation





## Ballast 12 V

### Features

- ▶ Short-circuit-proof
- ▶ Overload-protected
- ▶ Temperature-protected

### Examples of use

- ▶ For 12 V DC furniture lights

### Ordering information

- ▶ The ballast power must be equal to or greater than the total power of the connected consumers

### Technical details in brief



For use with:  
Surface finish:  
Operating voltage:

LED lights  
white  
100 V AC  
240 V AC  
50 Hz / 60 Hz  
12 V DC

Mains frequency:  
Output voltage:

Test marks and  
symbols:  
Plug connection  
Primary:



Plug connection:

2000 mm with  
flat Euro plug  
LED mini  
M1 plug connection

### Ballast 12 V DC - 200-240 V AC

Article	Secondary	Order no.
6 W	1-way	30 226 02
15 W	1-way + 6-way distributor	30 996 17
20 W	1-way + 6-way distributor	31 016 01
30 W	1-way + 6-way distributor	31 002 07
30 W (IP 44)	1-way + 6-way distributor	31 018 01
50 W	6fach	30 998 01

### Ballast 12 V DC - wide range voltage model 100-240 V AC

Article	Order no.
30 W with 1800 mm flat Euro plug	30 115 01
US lead for wide range voltage model, 1800 mm	39 340 21
UK lead for wide range voltage model, 1800 mm	39 340 22
AUS lead for wide range voltage model, 1800 mm	39 340 27

### Ballast 12 V DC - dimmable\* 220-240 V AC

Article	Order no.
5- 30 W (observe minimum power load)	30 586 01

\* for use with phase or reverse phase dimmers, not compatible with repeaters.  
Device list: [www.halemeier.de](http://www.halemeier.de)

## Dimensional drawing / installation





## Ballast 24 V

### Features

- ▶ Short-circuit-proof
- ▶ Overload-protected
- ▶ Temperature-protected

### Examples of use

- ▶ For 24 V DC furniture lights

### Ordering information

- ▶ The ballast power must be equal to or greater than the total power of the connected consumers

### Technical details in brief



For use with:  
Surface finish:  
Operating voltage:  
Mains frequency:  
Output voltage:  
Test marks and  
symbols:  
Plug connection  
Primary:

LED lights  
white  
220-240 V AC  
50 Hz / 60 Hz  
24 V DC

Plug connection:

CE ⚡ ⚡ ⚡ ⚡

2000 mm with  
flat Euro plug  
LED mini  
MP2 plug connection

### Electronic ballast 24 V DC

Article	Order no.
30 W	30 585 04
75 W	31 017 01
150 W	30 017 11

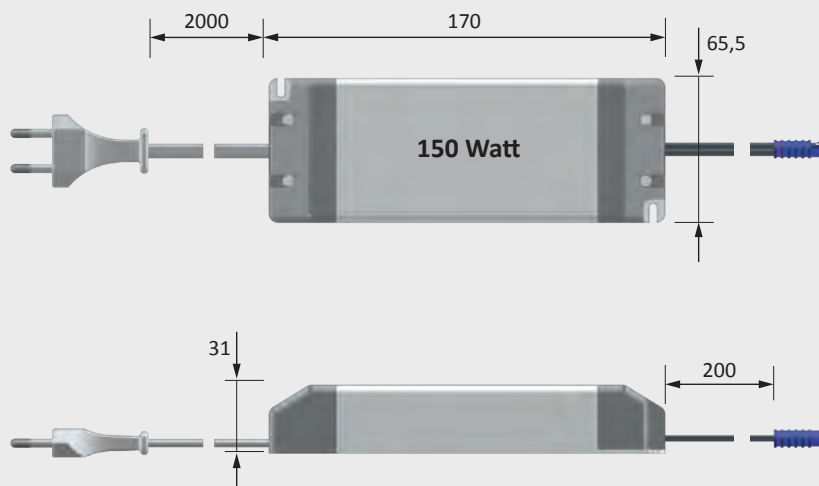
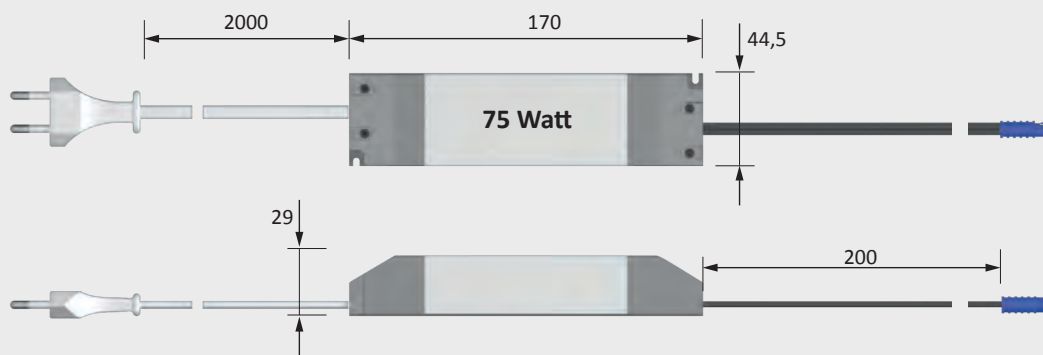
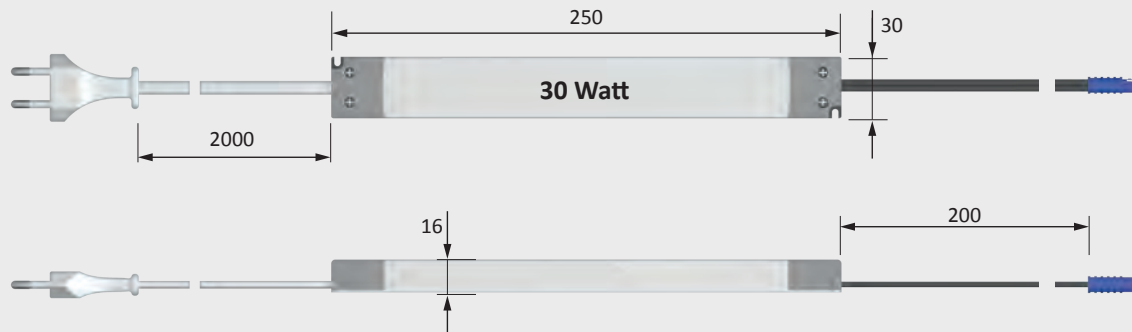
### Electronic ballast 24 V DC - dimmable\*

Article	Order no.
12-75 W (observe minimum power load)	30 587 01

\* for use with phase or reverse phase dimmers, not compatible with repeaters.  
Device list: [www.halemeier.de](http://www.halemeier.de)



## Dimensional drawing / installation





## Leads 12 V

### Advantages

- ▶ LED plug system for 12 V lights

### Features

- ▶ Plug bore diameter 8 mm

### Examples of use

- ▶ Furniture LED lights

### Ordering information

- ▶ Maximum connected load 3 A / 36 W
- ▶ Max. 5 m extension lead per light

### Technical details in brief



Type:

Connected load:

Surface finish:

Plug connection:

Plug system

max. 3 A (36 W)

black

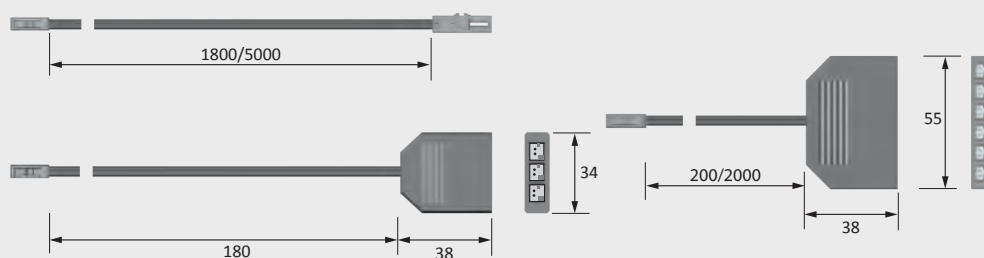
LED mini

M1 plug connection

### Leads 12 V

Article	Order no.
Extension lead 1800 mm	36 768 01
Extension lead 5000 mm	36 743 03
3-way distributor 180 mm	36 852 01
6-way distributor 200 mm	36 122 07
6-way distributor 2000 mm	36 125 01

### Dimensional drawing / installation





## Leads 24 V

### Advantages

- LED plug system for 24 V lights

### Features

- Plug bore diameter 8 mm

### Examples of use

- Furniture LED lights

### Ordering information

- Maximum connected load 8 A / 192 W
- Max. 3.6 m extension lead per light

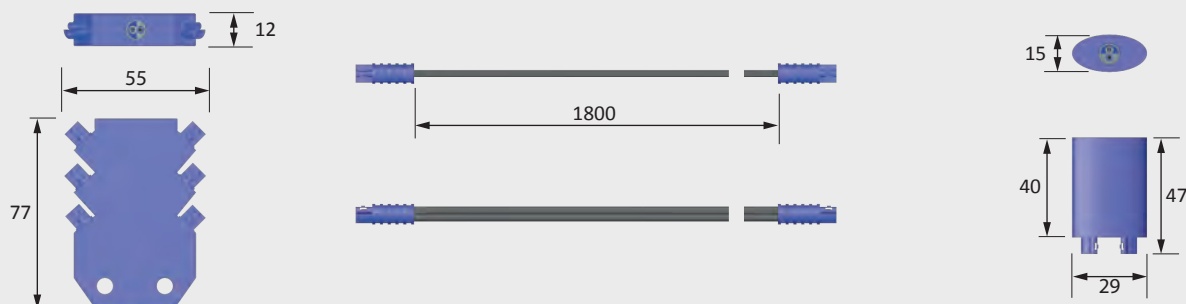
### Technical details in brief



Type: Plug system  
 Connected load: max. 8 A (192 W)  
 Surface finish: blue  
 Plug connection: LED MultiPlug  
 MP2 plug connection

Leads 24 V	
Article	Order no.
Extension lead 1800 mm	36 177 01
2-way distributor	39 422 51
6-way distributor	36 996 01

### Dimensional drawing / installation





## Cable duct

### Advantages

- Neat and safe installation of LED leads

### Features

- Made of plastic
- Can be individually cut to length

### Examples of use

- Cable fixture on furniture

### Ordering information

- Sales unit: 1

### Technical details in brief

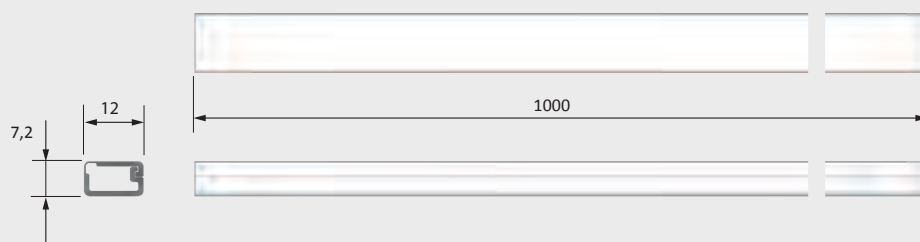


Type:	Cable duct
Surface finish:	white
Length:	1000 mm
Width:	12 mm
Height:	7.2 mm

### Cable duct

Article	Order no.
Cable duct, self-adhesive, 1000 mm	36 238 01

### Dimensional drawing / installation







## HV adapters / distributors

### Advantages

- ▶ Extra flat high-voltage distributor for installation behind furniture

### Features

- ▶ Adapter for flat Euro plug
- ▶ Distributor for flat Euro plug

### Ordering information

- ▶ Sales unit: 1

### Adapters / distributors

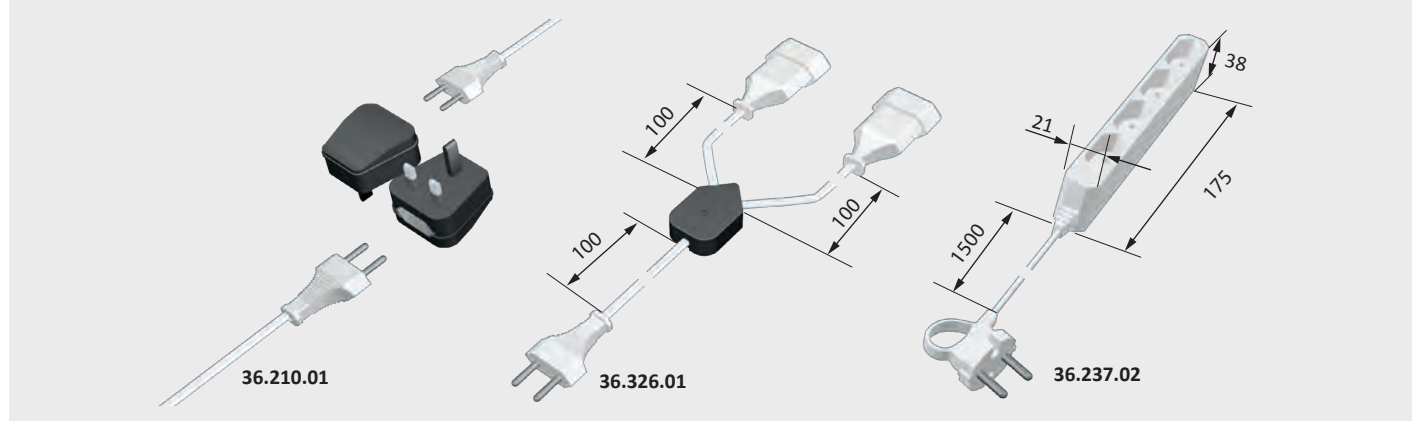
Article	Order no.
UK adapter plug for flat Euro plug	36 210 01
2-way distributor for flat Euro plug	36 326 01
4-way distributor for flat Euro plug (for X-Mitter with Schuko plug only)	36 237 02

### Technical details in brief



Type: Adapter

### Dimensional drawing / installation



**QUESTIONS?** Then please call our service team or write to us by e-mail



## Accent lighting



## Functional lighting

## Types of lighting

Light can shape, change and move.

### ► Accent lighting

One room, two moods: The dining table is bathed in gentle light for a leisurely dinner. It is now the centre point of the room. In the background, accent lighting creates a captivating sense of depth.

### ► Orientation lighting

By changing lighting scenarios, similar rooms acquire a different look and feel. Decorative elements such as backlit picture frames unfold their effect. Energy-saving LEDs are used as orientation lights – also during the night.

### ► Functional lighting

Neutral white light is the best for kitchen working areas. The colours and fine structures of food can be seen best in this light. Lights can be installed discreetly in the upper cabinets directly above the worktop. For uniform, glare-free illumination.

## Orientation lighting



## Enlightening facts about light

### Casting light on light

Lux, lumen and Kelvin; warm, cool and neutral white – although the terminology of lighting technology is all around us, it is not always transparent. We would like to bring light into the dark with a few explanations.

#### ► Light colour and colour temperature

White light consists of the entire colour spectrum; that is to say, it is the sum of all light colours. If the proportion of red in the light dominates, light appears warm; with more blue, it appears cooler. This colour impression of a light source is called the light colour. Colour temperature is measured in Kelvin (K). It only provides information on the visual colour impression and does not say anything about the thermal value of the light. The values are referenced to the tempering colours of a black test body heated to a specific temperature.



#### ► Classification



Extra Warm White  
2500 – 2800 K  
Display lighting, e.g. in bakeries



Warm White  
2900 – 3300 K  
Cosy, relaxing



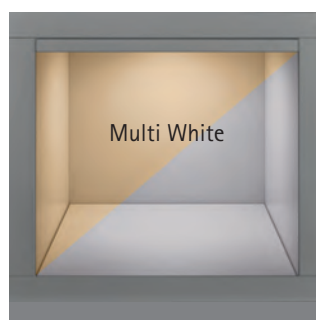
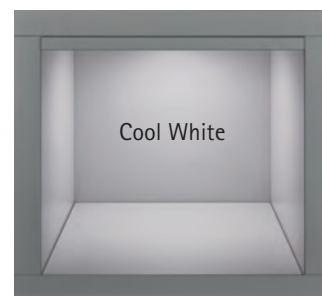
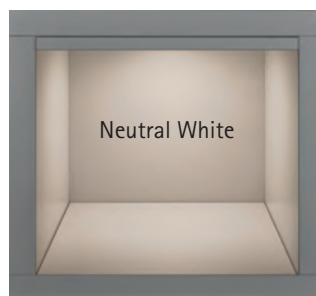
Neutral White  
4000 – 4500 K  
Functional



Cool White  
5000 – 6500 K  
Like daylight, technical, stimulating



MultiWhite 2900 – 6500 K  
White, adjustable from  
cosy to daylight



These categories and terms are not standardised and do not refer to the actual colour of the light, but to colour temperature ranges.



### ► Colour rendition

The colour rendition of light determines whether colours appear dull or bright in the light. It is an important factor for good visual results and pleasant viewing experiences.

Light that contains all spectral colours – such as daylight – makes the colours of objects look natural. Colour rendering is neutral, and therefore particularly favourable for judging colours.

In light with an unbalanced colour spectrum, the colours of objects tend to look unnatural.

The quality of the colour rendering of a light source is assessed by the colour rendering index (CRI). It is derived from common test colours and indicates how naturally colours are rendered. Depending on the visual task, the appropriate colour rendition should be chosen. To ensure a relaxed and positive visual experience, the colour rendering index should not be less than 80.

This aspect can be safely ignored in spaces where precise colour rendition is not crucial, such as living rooms and bedrooms. Here, lights can be selected according to the mood to be evoked.

Only an indirect relationship exists between light colour temperature and colour rendition. The best available method applies the principle of "luminescence conversion" and is used both for LED and fluorescent lamps. With this method, the original blue LED light is transformed into white light by a thin layer of phosphor material. Currently, CRI values of over 90 can be achieved with this method. As this approach offers great value for money when it comes to top-quality lighting solutions, it is the method preferred by HALEMEIER.



CRI ~ 90  
(HALEMEIER)



CRI ~ 70



CRI ~ 50

### ► Luminous flux

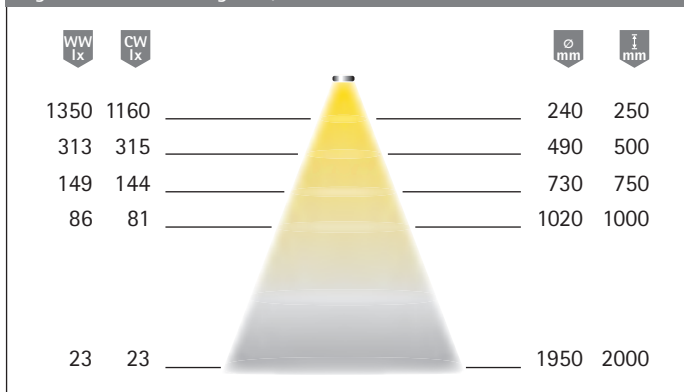
Luminous flux is defined as the quantity of energy of the light emitted by a source. The unit of luminous flux is lumen (lm).

### ► Luminous intensity

Luminous intensity (illuminance) is probably the term most frequently used in connection with lighting and defines the incidence of luminous flux on a defined surface, measured in lux (lx).



Light distribution diagram / 60°



Illuminance	Room function or type of activity		
1000 lux	Colour inspection, colour checks, goods inspection Precision assembly of small components (electronics, etc.) Jewellery making, retouching, etc.	Functional lighting	High illumination level
750 lux	Technical drawing Drawing and error checking Inspecting wood veneers Grinding, glass polishing, precision assembly		
500 lux	Office spaces, data processing centres, conference rooms Exhibition stands, control platforms Points of sale in retail outlets		
300 lux	Office workstations near windows Lathing, drilling, milling, general assembly tasks Shops, dispatch departments	Accent lighting	Medium illumination level
200 lux	Archives, storage rooms with reading activity Assembly of large components Public areas in buildings Changing rooms, washrooms and toilets		
100 lux	Storerooms Vehicle and pedestrian traffic areas in buildings Foyers, stairwells and escalators		



## ▶ ENEC

European mark of conformity: Certificate of conformity with European standards for electrical products, issued by national certification bodies.



## ▶ Safety class 2 – Devices without earth conductor connection

Equipment in which protection against electrical shock does not rely solely on basic insulation. Safety class 2 devices come with extra safety features, such as double insulation or reinforced insulation. The protective earth conductor cannot be incorrectly wired.



## ▶ VDE-GS mark

German mark for appliances classified as technical equipment according to the Appliance Safety Act GSG.



## ▶ EMV

Approval mark of VDE, confirming compliance with statutory electromagnetic compatibility regulations.



## ▶ Safety class 3 – Devices using safety extra low voltages

Equipment in which protection against electric shock is based on the use of safety extra low voltage and in which no voltage higher than the safety extra low voltage is generated – AC < 50 V rms and DC < 75 V.



## ▶ CE

The CE mark certifies among other things compliance with the Low Voltage Directive and the EMC Directive.



## ▶ F mark

In the past, lights suitable for direct mounting on normally flammable surfaces carried the F-mark. Today, all lights must meet the respective requirements, so that the mark has become obsolete, and only deviations need to be indicated accordingly.

## IP codes

## ▶ Protection against foreign bodies / water

IP 20

Protection against medium-sized foreign bodies / no protection against water

IP 21

Protection against medium-sized foreign bodies / protection against dripping water

IP 40

Protection against granular foreign bodies / no protection against water

IP 44

Protection against granular foreign bodies / protection against splashing water from all directions

IP 65

No ingress of dust / protection against water jets



## ▶ MM mark

Lights and transformers suitable for installation in or on furniture made from materials with unknown flammability properties.



## ▶ Temperature-protected electronic transformer

Transformer with temperature protection. The value in the triangle shows the maximum housing temperature in the event of a defect.



## ▶ Short-circuit-proof safety transformer

Transformer protected against short circuits.



Use only in dry rooms



## ▶ Independent electronic transformer

Transformer for use outside lights, without additional cover.

## ▶ The following marks confirm compliance with North American standards

$t_{a_{max}}$

## ▶ Maximum permissible ambient temperature

The temperature level up to which no overheating of components occurs.



QPS test mark for Canada and USA

$t_c^\circ$

## ▶ Temperature reference point

Denotes the temperature reference point on the housing. Exceedance leads to a reduced service life.



Test mark of the UL Institute



Test mark of the ETL Institute

SELV

## ▶ Safety Extra Low Voltage



## ▶ Safety class 1 – Devices with earth conductor connection

Equipment in which protection against electrical shock does not rely solely on basic insulation. Additional protection is given by connecting conductive components capable of assuming hazardous voltages if the basic insulation fails to the protective earth conduct or the building wiring.



## Tips & tricks.

### ► Using lux and lumen values to select the right product

If you are searching for functional lighting with a certain level of illumination, you can easily see whether a product has the correct degree of brightness by reading the lux values on the lighting diagram. This also allows you to compare different lights. The luminous flux or light output of a lamp does not provide any information on the level of illumination. It is suitable only for selecting lights for systems where lamps are replaceable, which is for instance the case with T5 LiteLine lights.

### ► Extending LED supply leads

Supply leads cannot be infinitely extended. Firstly, unwanted EMC effects might occur (causing interference with electronic systems); secondly, ballasts might be overloaded or the light output of the lamp might be significantly reduced.

► **Our lights based on 12 V DC** are supplied with a mini M1 LED plug and may be generally extended by 2 extension leads of 1.8 m each in addition to the fitted supply lead.

► **Our lights based on 24 V DC** are supplied with a MP2 multi-plug and may be generally extended by 2 extension leads of 1.8 m each in addition to the fitted supply lead.

### ► Dimming LED lights

You will find whether a light is dimmable in the field "Technical details in brief" on each product page in the catalogue. LED lights are dimmed by PWM (Pulse Width Modulation) on the low voltage side. This is done either by our LED dimmers or through special ballasts that are controlled by 1–10 V control voltage or phase dimmers, depending on the type. Please note: Standard LED ballasts are not dimmable.

### ► Who remembers what?

All switches of our range "remember" their state when the power was switched off. For example, for the Tri-Mitter this means that it remembers the last dim level before switch-off.

### ► Factors affecting life span

As a basic rule, the indicated life span of technical equipment is based on an ambient temperature of 25° Celsius. Higher temperatures usually reduce the lifetime.

When installing, avoid predictable heat build-up (e.g. in ballast installed between two wooden plates), unless absolutely necessary.

### ► Heat generation

The light emission by LED generates a certain amount of heat, which however, in contrast to other technical appliances, is so low that it has almost no impact on the environment. The design of the light ensures that, under normal conditions of use, there is no heat accumulation reducing the life of the electronic components and the LEDs. When using high-powered LED flex strips, the mounting surface must be able to dissipate some of the heat. We therefore recommend using Channelline profiles made of aluminium that act as heat sinks for LED light strips.

### ► Utilisation of ballasts for LED lights, connection of electronic switches

The power consumption of small LED lights or the standby power of our switches is sometimes so low that you need to consider the minimum load when selecting the appropriate ballast. Electronic switches should only be connected to ballasts whose power range is specified as 0 to X W. If voltage drops below the minimum load, reliable operation is no longer guaranteed.



## ► Overload of ballasts

Make sure that the ballast is not overloaded by the number of lights connected to it.

## ► Observe the inrush current

Electronic ballast have no inductance in the input circuit which limits the inrush current upon switch-on. Therefore, a high current might occur when the mains voltage is switched on. When using large numbers of ballasts (e.g. for exhibitions), this should be considered when protecting the circuit.

## ► Electronic ballast with output control

Electronic ballasts with output control compensate mains voltage fluctuations of  $\pm 10\%$ , so that the emitted light flux is nearly constant. Devices of this type are also called controlled devices.

In so-called uncontrolled devices, mains voltage fluctuations of  $\pm 10\%$  also mean a  $\pm 10\%$  fluctuation of lamp power and light output.

## ► Using IR switches

When using IR sensors, e.g. in combination with the Multiswitch or the integrated sensor of CabLite / Innoline, make sure that the infrared beam is reflected cleanly to the receiver. High-gloss or strongly frosted surfaces and incorrect mounting distances can lead to faults. Please use the reflective stickers provided.

## ► Blinking LED lights

Blinking lights indicate over-loading or under-loading of the ballast. This can be caused by an inappropriate number of lights, excessively long line connections or a partial short-circuit (e.g. clamped line).

## ► Malfunction or different levels of brightness in LED Versa strips

When you connect sections of the Versa Inside strips, you need to ensure that the connectors have the correct polarity and are firmly seated.

## ► Binning for consistent product quality

In the industrial production of LED chips, minor deviations in the manufacturing process cannot be avoided. The photometric properties of the chips therefore might differ in colour and luminosity. To ensure a constant light quality with the same brightness level and uniform light colour, the LEDs of a batch must be sorted. They are divided into selection classes, called "bins". The main selection criteria are chromaticity, luminous flux (unit: lumen) and colour temperature (unit: Kelvin). This is why a precise specification of the light colour of a light series is simply not possible. To ensure availability and appropriate price/performance ratio, LED lights with different production data can be equipped with different selection classes of a LED. We try to avoid frequent bin changes, and for many lights types we already offer "single binning" – i.e. products that are fitted with LEDs from the same bin or selection.

## ► Replacing LED light bulbs

LED light bulb replacement is not provided.

## ► Care and maintenance

Please only clean your light in OFF state.

Care is limited to surfaces, e.g. acrylic glass and covers. Ensure that no moisture enters the terminal boxes or electrical parts.

## ► Important information for LED lighting systems

LED lighting systems can produce very intense radiation that can damage the eyes if used improperly.

Therefore, never look directly into the light from a short distance.

## ► Correct disposal of LEDs

LED modules and LED lights are mercury-free, but contain electronic components. They fall within the regulations of the Waste Electrical and Electronic Equipment Act (ElektroG/WEEE). LEDs may therefore not be disposed of with normal household waste. LED lights can be handed in at designated collection points free of charge.

## ► Safety instructions for installation:

Always follow these instructions and the installation instructions for safe and secure installation and operation of our lamps. Keep the installation manual for future reference. Installation and electrical connections must be carried out by a qualified person. Always disconnect the power supply before connecting a circuit and secure it against unintentional reconnection. Make sure that there is no voltage present before starting work. The maximum output in watts indicated on the lamp/operating unit must be taken into account when connecting it to a power circuit or a power supply unit. Under no circumstances may the specified wattage be exceeded! Lights must be used only for their intended purpose. Interior lighting must not be used outdoors. Lights must not be covered by any objects.

**Caution!** Damaged outer flexible cables of lights may only be replaced by a qualified electrician or the manufacturer.



## Ecodesign Directive

### ► Ecodesign Directive

All lights and lamps presented in this catalogue conform to the EU Directive 1194/2012 (Ecodesign Directive). The directive came into force on 1 September 2013 and specifies the minimum requirements for lamp survival factor, lumen maintenance and colour rendering. If you want to sell our lights directly to end users, you will receive upon request the necessary information for creating an energy efficiency label according to EU Regulation No. 874/2012 (energy labelling). LED lights are the most economical lighting solutions available today. Given their excellent energy balance and extremely long life, LED lights allow for trouble- and maintenance-free operation for many years.

The longer they are in use, the greater the economic and environmental benefit.

This is why LEDs are the future of lighting.

### ► Life span of an LED light

As with most electrical devices, the LED is subject to ageing when operated. During this process, the luminous intensity of the LED is gradually reduced.

Halemeier determines the light value of its products based on a residual brightness rate of 70% (delivery state). This often marks the end of the useful life of a product for functional lighting. Once this point is reached, the LED light is still working, albeit with reduced brightness. It can thus still be used for many years for accent lighting. Total failures occur very rarely with LEDs, and are usually due to incorrect operating conditions or thermal overload.

Please note: Life span information is worthless if the percentage of residual brightness is not specified. Since there is no compulsory standard here, manufacturers are allowed to specify LED lifetimes themselves. This should be taken into account when choosing your product.

Manufacturers of conventional lights determine the lifetime of their products by having them tested under standardized conditions until the end of their life span.

LEDs have a much longer lifetime than other light sources; it is however generally not possible to carry out measurements until the end of their service life. Long-term tests merely allow for the estimation of the expected lifetime, based on extrapolation.

Halemeier relies on the documentation of leading LED manufacturers and also tests its finished products at its own lab. Due to component tolerances and environmental influences, we specify only a typical life expectancy and no minimum guaranteed lifetime.

### ► Other technical data in this catalogue

In its catalogues, Halemeier only quotes technical data that has been measured in its own lab at the finished product.

## Three-year warranty on catalogue products

Applies to Halemeier LED lights, LED ballasts (electronic ballasts) and system accessories purchased from 1 May 2017.

In addition to the statutory product warranty, Halemeier grants a warranty period of three years from the date of purchase on all Halemeier LED lights, LED ballasts and system accessories, provided that they are installed and operated in systems composed exclusively of Halemeier products. Batteries are excluded from this warranty.

In the unlikely event that a Halemeier LED light, ballast or system accessory fails due to a product defect within the warranty period of three years from the date of purchase, the purchaser is entitled to a replacement or repair free of charge. Should the product be no longer available, Halemeier reserves the right to reimburse the purchase price of the original product. Please note that a gradual reduction in luminous flux is a normal feature of LED products (down to 30% within the specified service life) and does not constitute a defect covered by warranty.

The extended warranty cover only applies to Halemeier LED lights, ballasts and system accessories and is subject to correct installation and commissioning according to the installation instructions shipped with the product. Modifications or repairs carried out by third parties shall void all warranty. Do not expose the product to mechanical stress that is outside the scope of normal and proper operation. Ensure that the ambient temperature does not drop below -20°C or exceed +30°C. The relative air humidity must not be higher than 80%, and the products must not be exposed to voltage fluctuations of more than 10%.

## The Philips licensing program Portfolio of innovative technologies

Halemeier is a licensee of the Philips LED licensing program and thus benefits from a range of advantages and innovative features, as only licensees can avail of the extensive program with more than 200 Philips lighting innovations –from basic LED controls to advanced system-level technologies for LED lights and retrofit lamps. We are therefore in a position to accelerate our product development, avail of additional cost efficiencies and exploit new opportunities in an expanding market.

We reserve the right to change the technical design of our products, in line with new knowledge and technologies. Combined with the fact that the luminous flux of LED lights changes over their lifetime, the lighting properties of replacement lights might differ somewhat from the original product.

Modifications or repairs made to the products, incorrect installation or installation by an unqualified person shall void all warranty. The warranty does not cover auxiliary costs arising in connection with repairs (e.g. dismantling and installation, transport of defective, repaired or new product, disposal, travel to and from site, etc.).

The liability of Halemeier is limited to manufacturer liability. The above warranty cover is not affected by this limitation of liability. For details, please refer to our General Business Terms and Conditions published at [www.halemeier.de](http://www.halemeier.de)



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