

# LICHT-IM-MOEBEL

Light Catalogue







LIGHT IN  
FURNITURE  
THAT INSPIRES



**magic**  
by









# LIGHT IN FURNITURE THAT INSPIRES

**magic**  
by HALEMEIER





## Worlds of light

|                                   |    |
|-----------------------------------|----|
| Halemeier.de                      | 4  |
| Light in furniture                | 8  |
| Sales tools for the point of sale | 18 |
| Product overview                  | 26 |



## Spotlights

|            |    |
|------------|----|
| Spotlights | 80 |
|------------|----|



## Linear lights

|               |    |
|---------------|----|
| Linear lights | 34 |
|---------------|----|

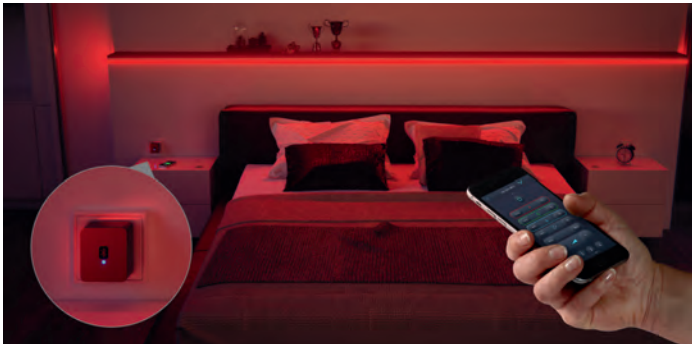


## Special lights

|                |     |
|----------------|-----|
| Special lights | 120 |
|----------------|-----|







# Switch systems

Switch systems 144



# Technology

|                 |     |
|-----------------|-----|
| Lighting basics | 196 |
| Tips & tricks   | 202 |
| Order numbers   | 206 |
| Index           | 208 |



# Ballasts & leads

|          |     |
|----------|-----|
| Ballasts | 184 |
| Leads    | 192 |





A modern interior scene featuring a dark blue wall and a white countertop. A black cabinet with a small light fixture on top is visible. Below the countertop, a black shelf with two white horizontal light strips holds two glasses of water. Large, bold, red text is overlaid on the image, reading 'COM PET EN CES' in a fragmented, blocky font.

# 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)

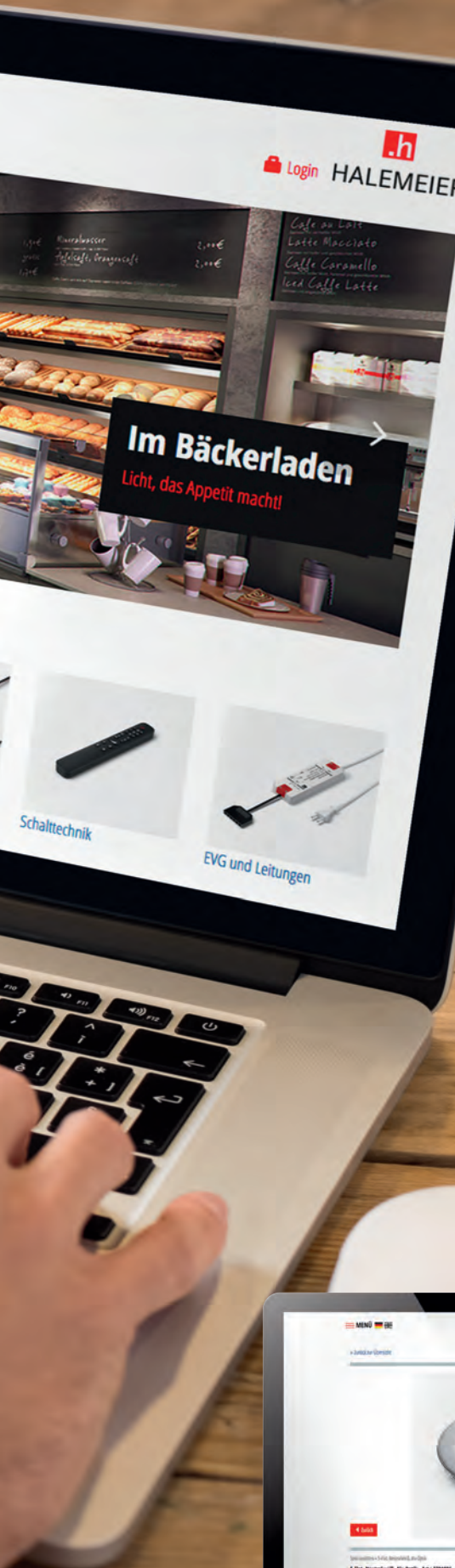












## THE DIGITAL CATALOGUE.

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.







# IONIS PRAT ION

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  
Kaffee  
Cremas, 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







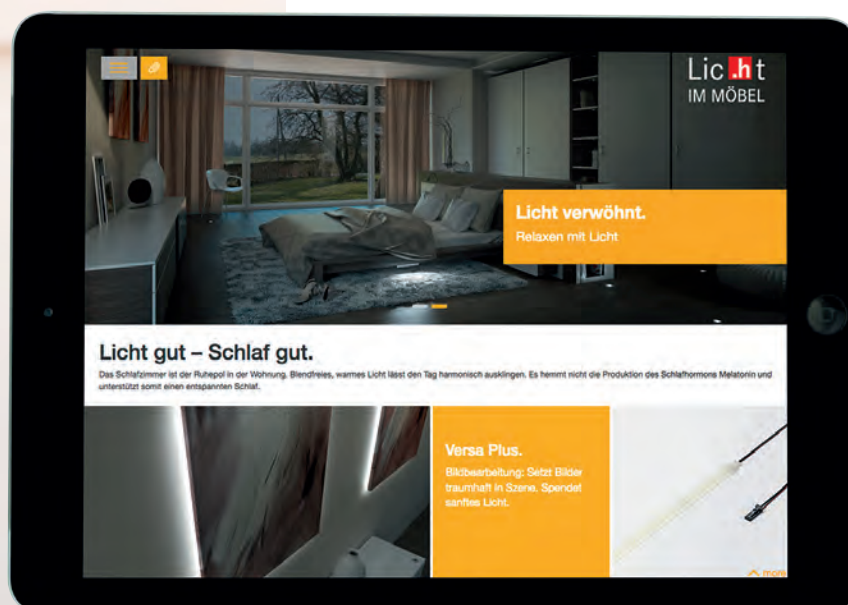
## The showroom for furniture light. Experience light in real interiors.

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.





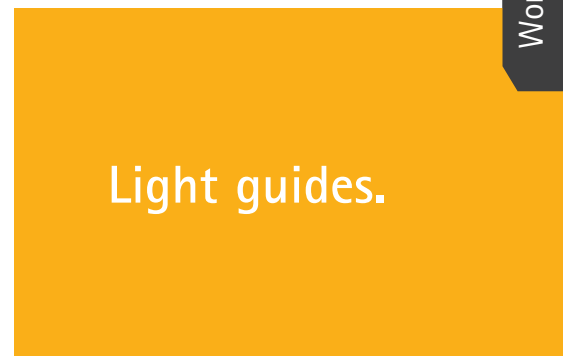
Light is versatile.



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 Jánosky

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.

**360°**









**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  
Page 54  
LED



12 V



Versa Inside 90  
Page 56  
LED



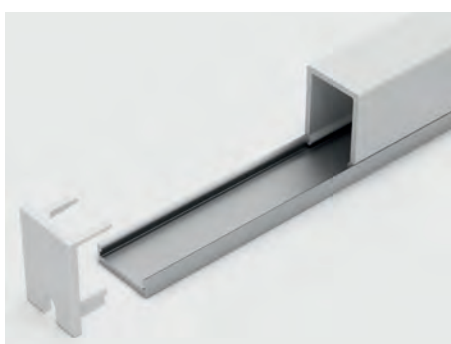
12 V



Versa Inside MultiColor  
Page 64  
LED



24 V  
MP



ChannelLine A  
Page 68  
LED



ChannelLine K  
Page 69  
LED



ChannelLine I  
Page 73  
LED



ChannelLine G1 + G2  
Page 74  
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**  
Page 58  
LED



**12V**

**24V MP**



**Versa Inside 120 HP**  
Page 60  
LED



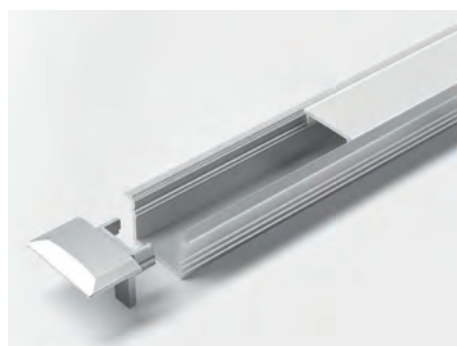
**24V MP**



**Versa SuperPlus 60**  
Page 62  
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



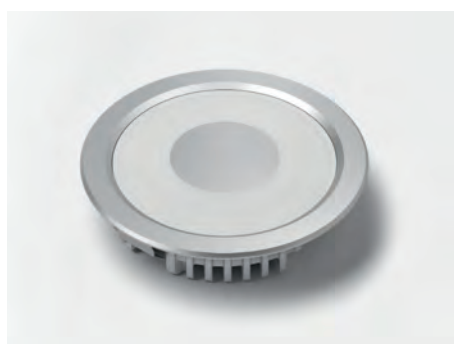
SuperSpot  
Page 84  
LED

12 V



SuperSpot eco  
Page 86  
LED

12 V



MiniFlat Plus  
Page 94  
LED

12 V



PowerLite Plus  
Page 96  
LED

12 V



MultiLite Flood  
Page 98  
LED

12 V



Eco Power Flood  
Page 106  
LED

12 V



Eco Spot  
Page 108  
LED

12 V



Point  
Page 110  
LED

12 V



SuperDot  
Page 118  
LED

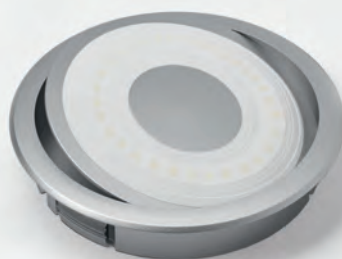
12 V





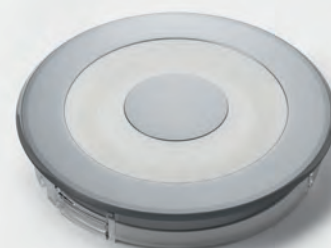
SuperSwing  
Page 88  
LED

12V



Swing  
Page 90  
LED

12V



S-Flat  
Page 92  
LED

12V



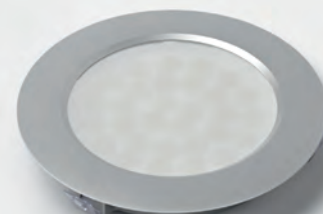
Sign Plus  
Page 100  
LED

12V



Sign Plus square  
Page 102  
LED

12V



Eco Power L  
Page 104  
LED

12V



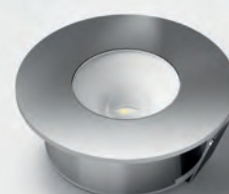
PowerSquare  
Page 112  
LED

12V



PowerSquare long  
Page 114  
LED

12V



StarPoint  
Page 116  
LED

12V



Light can be cut to length.



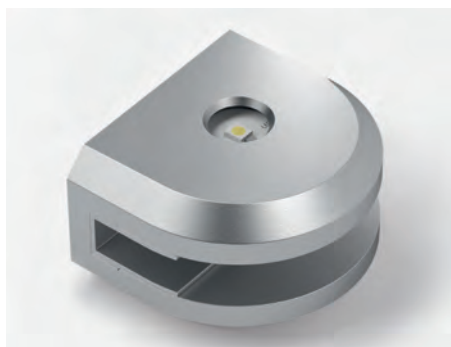
Light can be made to measure.





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  
Page 136  
LED

12 V



Panellite Square  
Page 138  
LED

12 V





AlphaLite  
Page 128  
LED



GlasLine  
Page 130  
LED

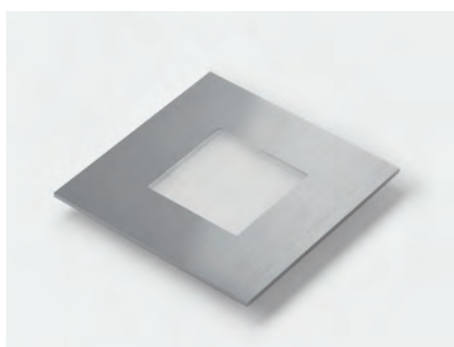
12V



LitePipe  
Page 132  
LED



12V



QuadroPoint Square  
Page 140  
LED

12V



SwanLite  
Page 142  
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

Page 148  
LED

HV 12V 24V MP



MultiSwitch push button

Page 150  
LED

HV 12V 24V MP



Tri-Mitter wireless switch

Page 158  
LED

12V 24V MP



S-Mitter MultiWhite wireless switch

Page 162  
LED

12V



S-Mitter Basic MultiWhite wireless switch

Page 164  
LED

12V



MagicSwitch

Page 172  
High voltage

HV



LED Touch

Page 174  
LED

12V



LED dimmer

Page 176  
LED

12V



USB socket

Page 181

12V



Infrared Repeater Plus

Page 182

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  
LED

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, RoHS, Energy Star                         |
| Protection rating:          | IP 20   |
| Supply lead:                | 1800 mm                                       |
| Plug connection:            | LED MultiPlug MP2                             |
| Connection to:              | LED ballast                                   |

### SuperStripe Plus

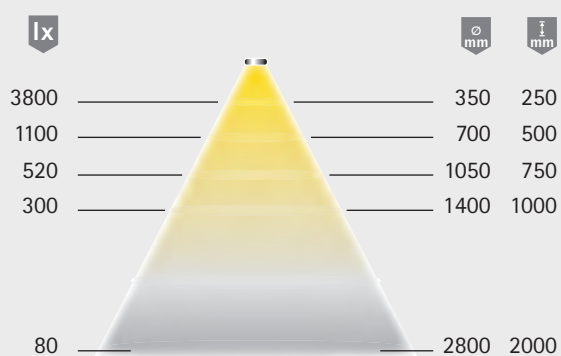
| Article                    | Order no.<br>Extra warm white | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------------|-------------------------------|-------------------------|----------------------------|
| 200 mm                     | 55 650 41                     | 55 650 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 |



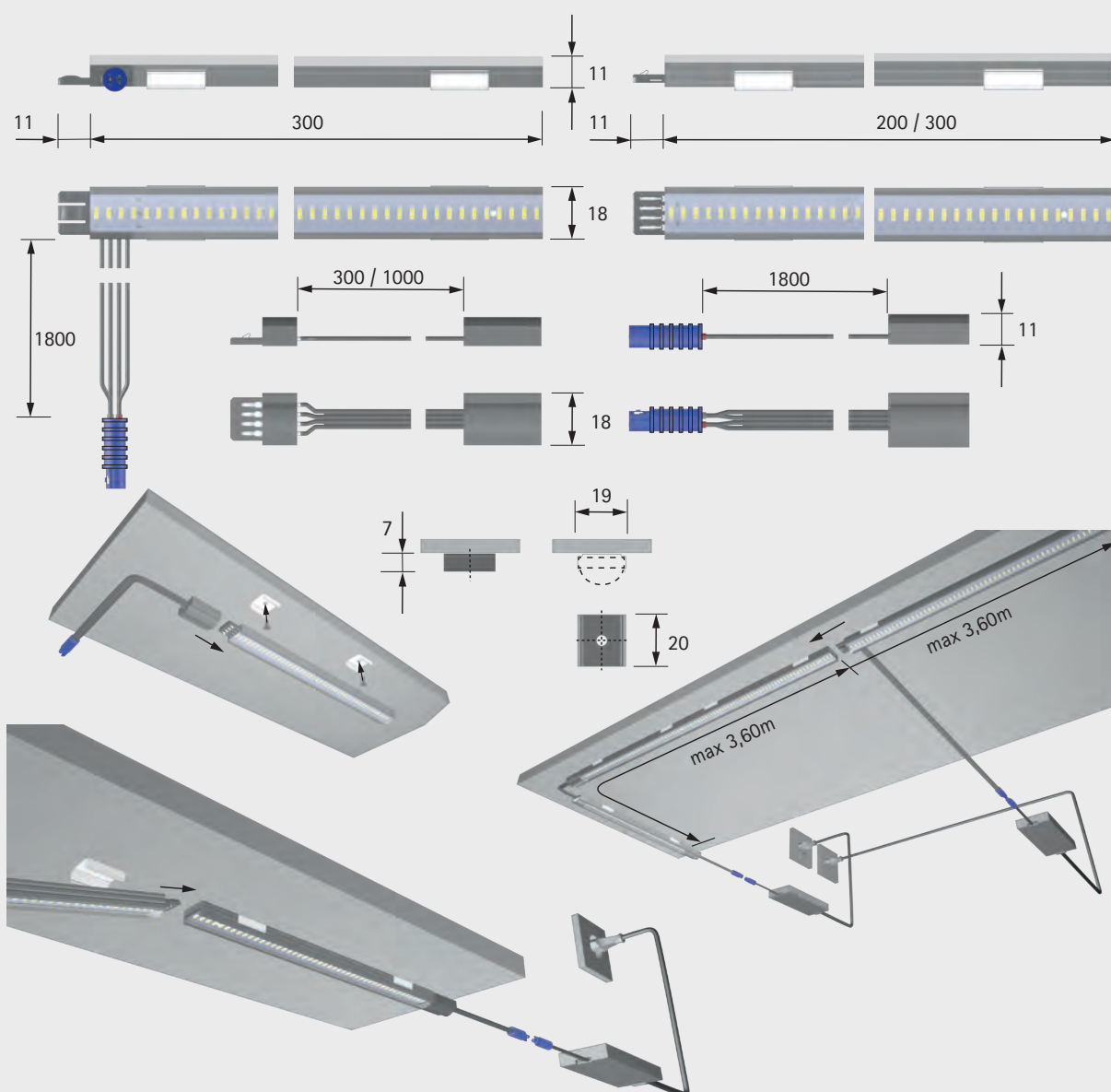
Light distribution diagram / 70° (length 300 mm)



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.<br>Warm white | Order no.<br>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

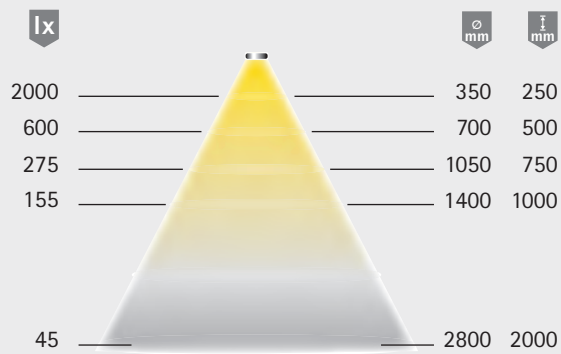


**24 V  
MP**

|                             |                                  |
|-----------------------------|----------------------------------|
| 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++<br>95 - 105 lm/W             |
| Life span:                  | 30,000 h (L70)                   |
| Power consumption:          | 200 mm - 2.9 W<br>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                      |



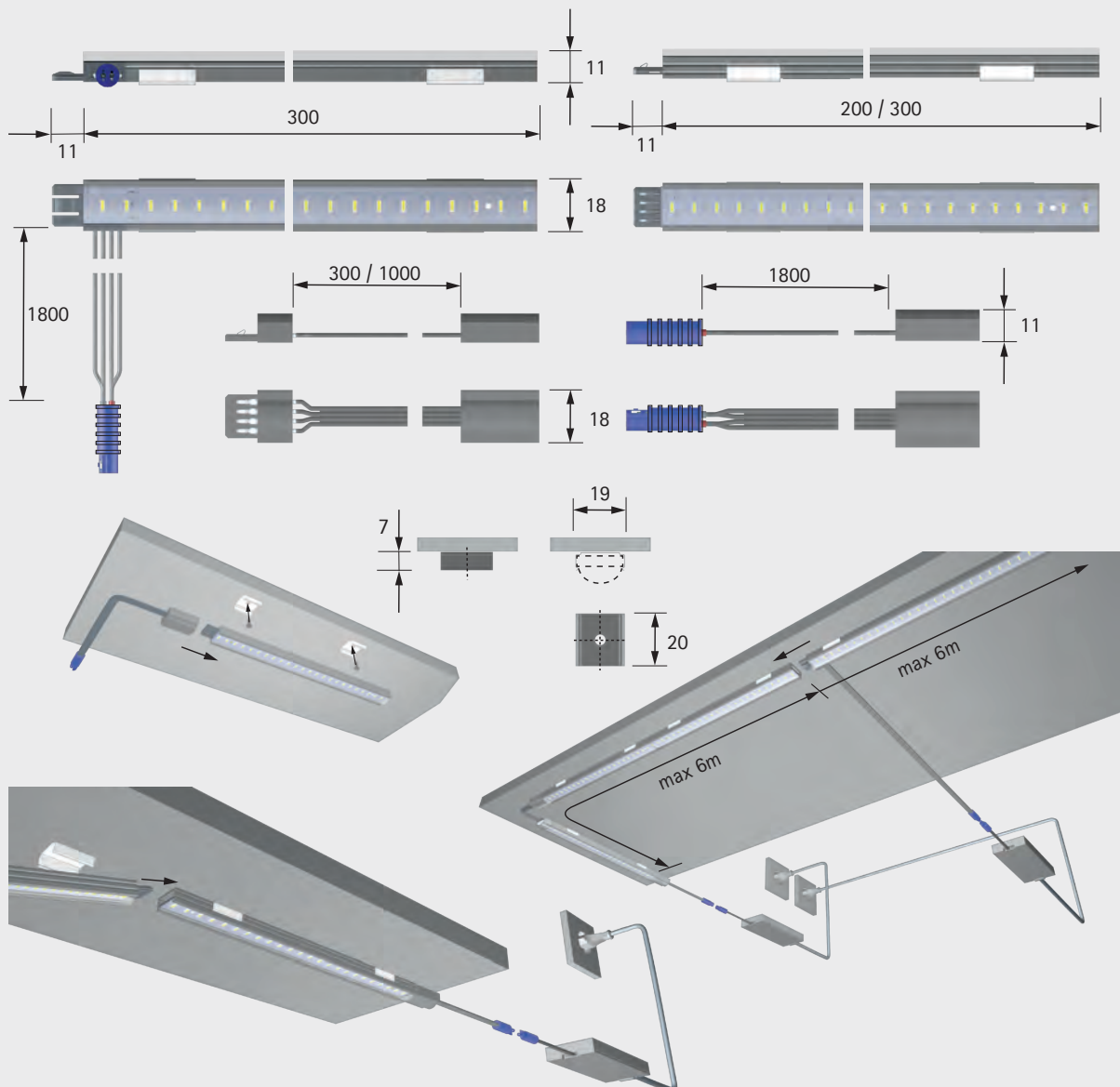
Light distribution diagram / 70° (length 300 mm)



Light box



Dimensional drawing / installation







## 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 ◇ ▼ ▽ □                                 |
| Plug connection:            | IP 40                                      |
|                             | Type-specific high-voltage plug connection |

### LiteLine Basic

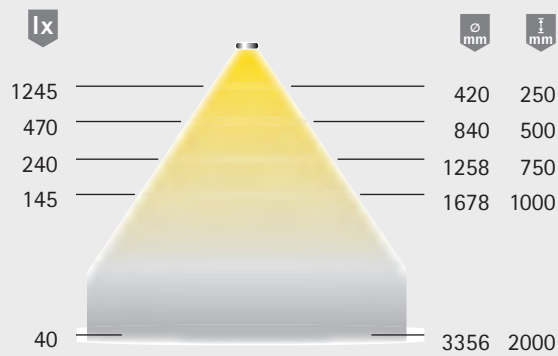
| Article | Power consumption | Order no.<br>Warm white | Order no.<br>Neutral white |
|---------|-------------------|-------------------------|----------------------------|
| 332 mm  | 3.6 W             | 55 600 11               | 55 600 01                  |
| 632 mm  | 7.2 W             | 55 601 11               | 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 |



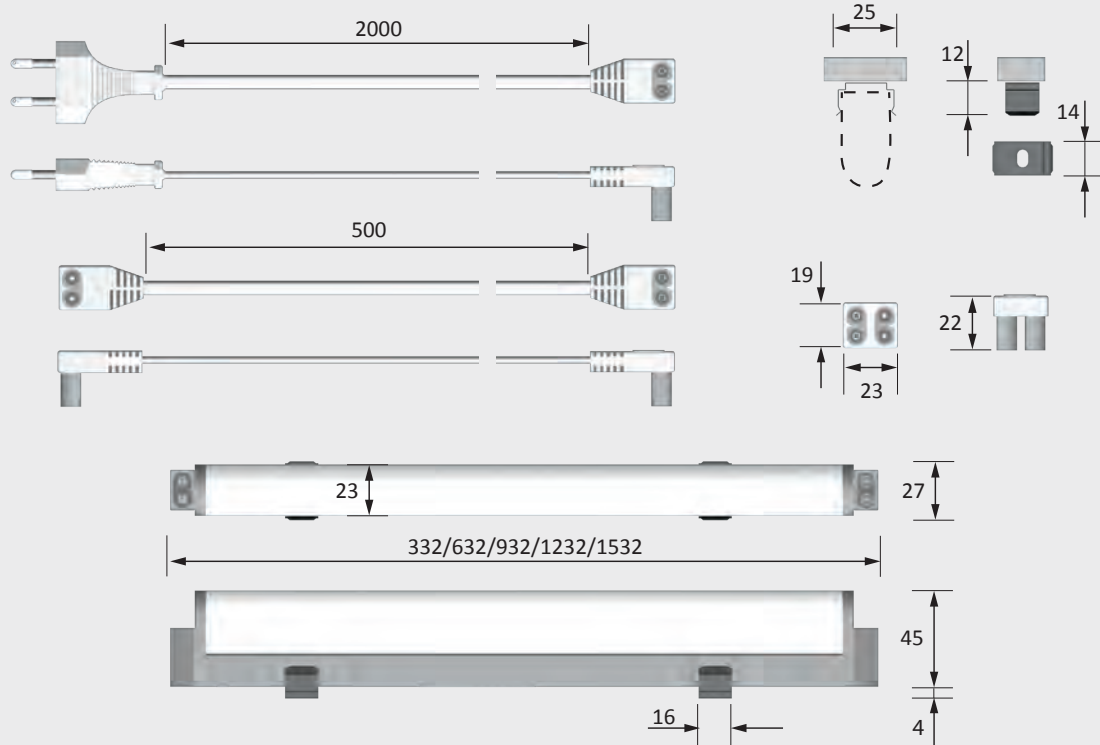
Light distribution diagram / 80° (length 300 mm)



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

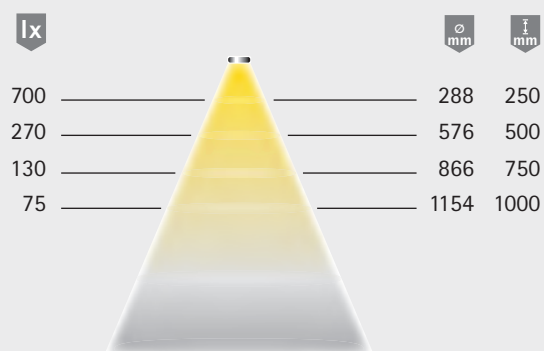
| Article                               | Power consumption | Order no. |
|---------------------------------------|-------------------|-----------|
| 400 mm                                | 3.4 W             | 32 983 51 |
| 550 mm                                | 5.4 W             | 32 983 52 |
| 850 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")

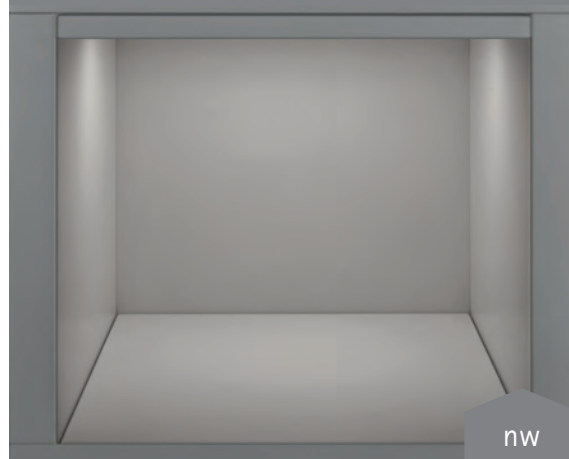
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |



Light distribution diagram / 60° (length 600 mm)

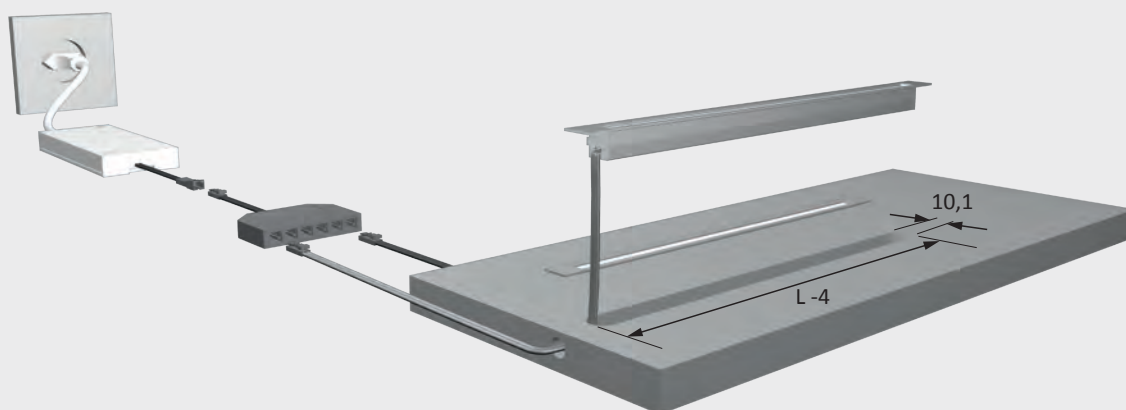
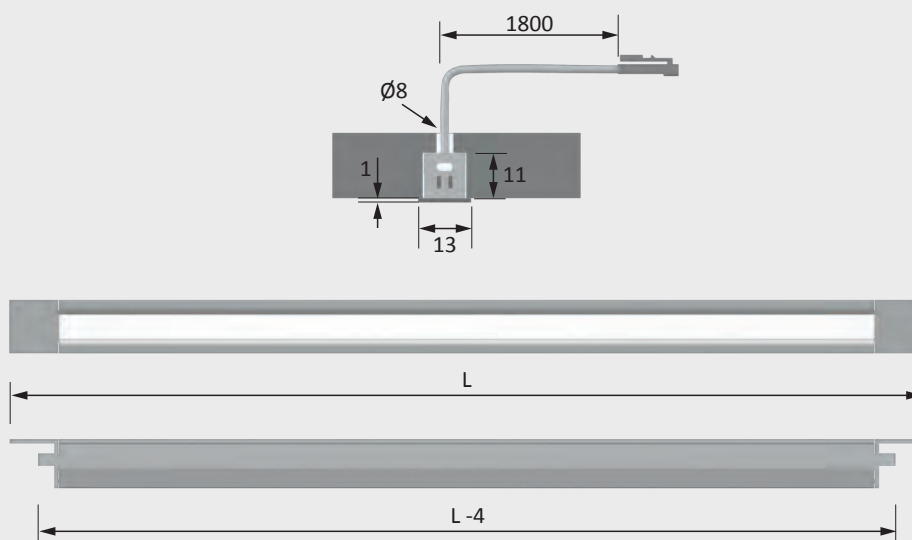


Light box















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  |
|--------------------------|---|---|--|---|---|
|                          | <br>12 V | <br>12 V | <br>12 V | <br>12 V | <br>12 V |
| 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<br>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)<br>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   |

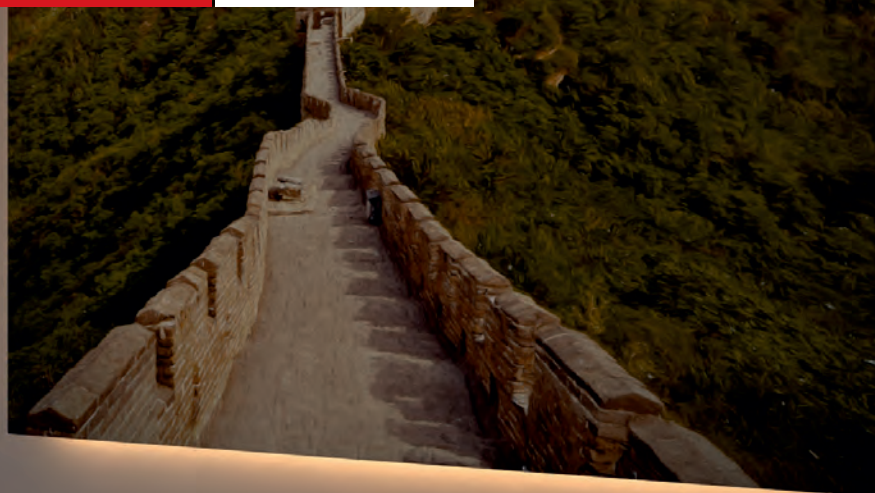
\* only in moulded section of light



## Overview of Versa stripes

| Model                    | Versa Inside 90  | Versa Inside 120  | Versa Inside 120 HP  | Versa SuperPlus   | Versa MultiColor  |
|--------------------------|--|---|--|---|---|
|                          | <br><b>12 V</b>         | <br><b>12 V</b> <b>24 V MP</b> | <br><b>24 V MP</b> | <br><b>24 V MP</b> | <br><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<br>5000 mm   | 1200 mm , 3000 mm<br>5000 mm  | 1200 mm<br>5000 mm   | 2500 mm<br>5000 mm  | 5000 mm   |
| Max. length at a stretch | 5000 mm  | 3000 mm (12 V)<br>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)<br>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)<br>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

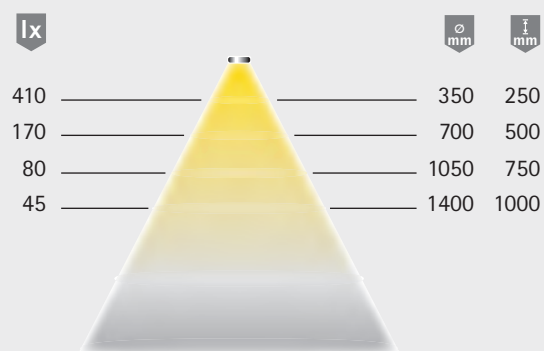
| Article              | Order no.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>Cool white |
|----------------------|-------------------------|-------------------------|----------------------------|-------------------------|
| 1200 mm (max. 2.9 W) | 55 800 42               | 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")

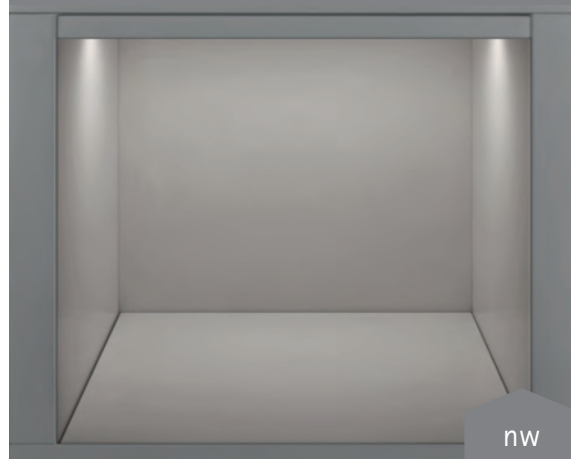
| Article  | Order no. |
|--|-----------|
| Direct connector (max. 36 W)                           | 36 334 01 |
| Direct connector (max. 36 W) - set (10 units)          | 36 327 01 |
| 90° connector (max. 36 W)                              | 36 335 01 |
| 90° connector (max. 36 W) - set (10 units)             | 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)

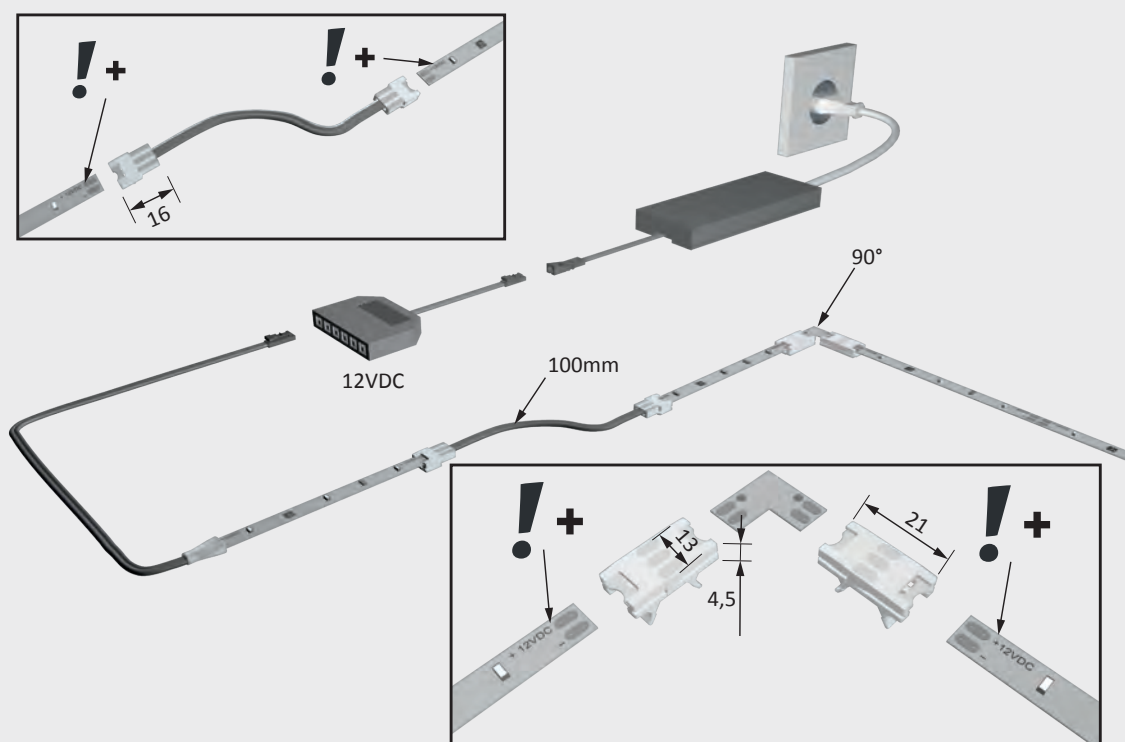
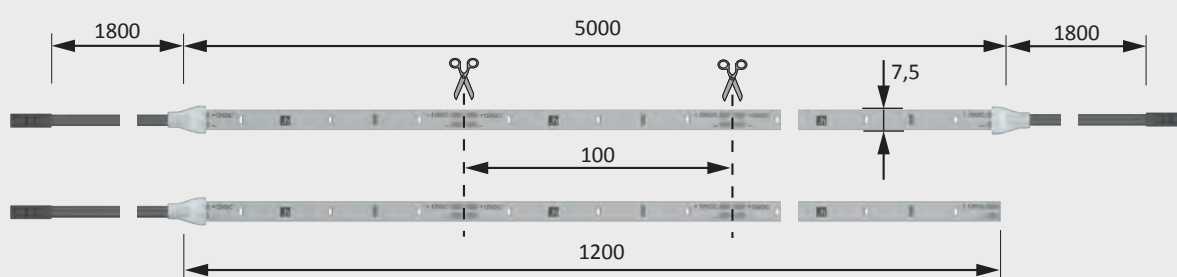


Light box



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+<br>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<br>M1 plug connector   |
| Connection to:              | LED ballast   |

### Versa Inside 60

| Article              | Order no.<br>MultiWhite* | Order no.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>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               |

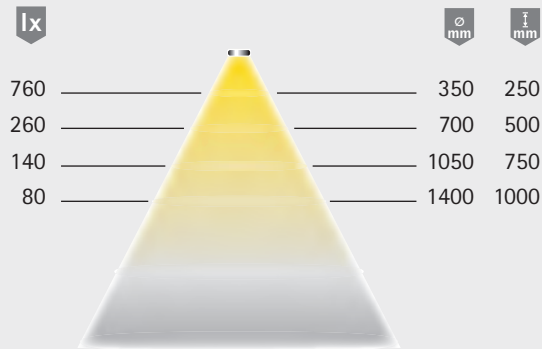
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

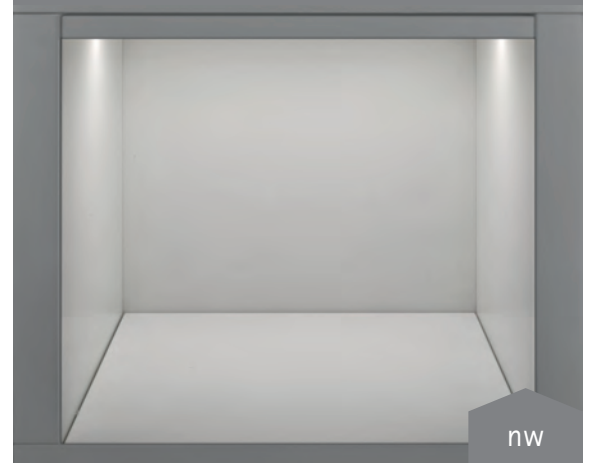
\* for MultiWhite accessories, see chapter "Switch systems"



Light distribution diagram / 70° (length 600 mm)

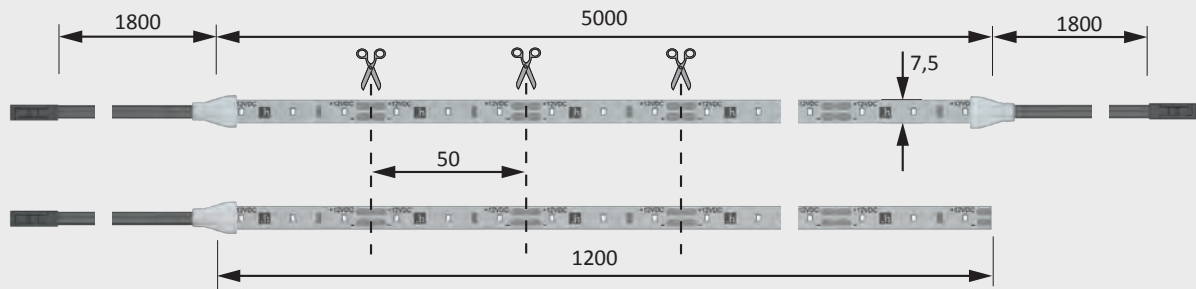


Light box

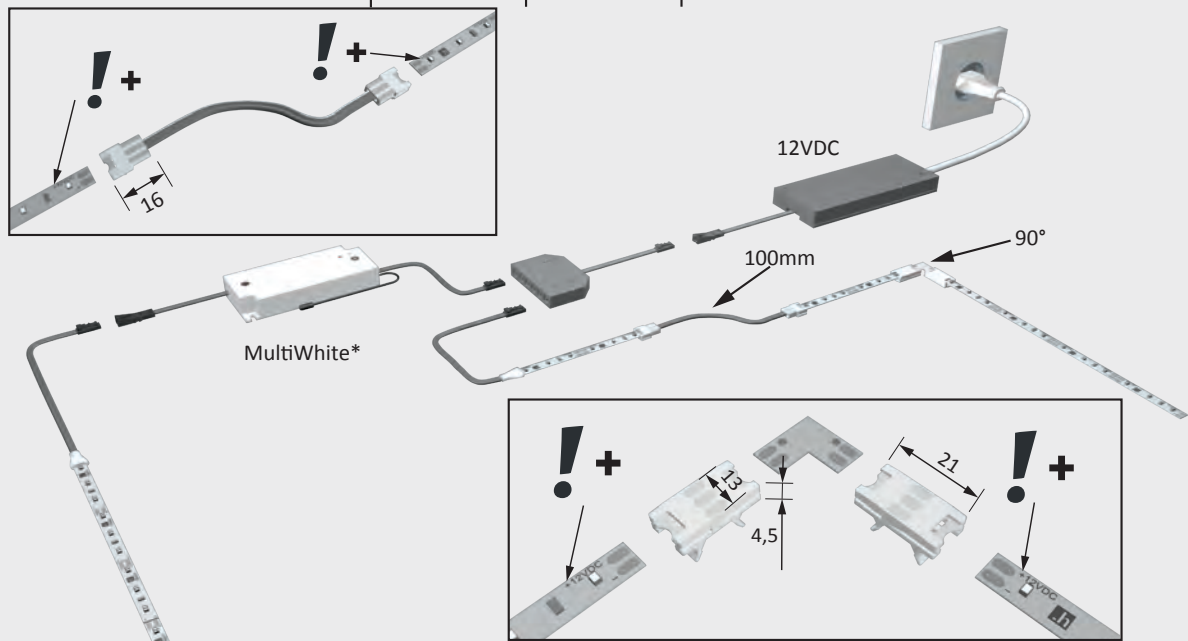
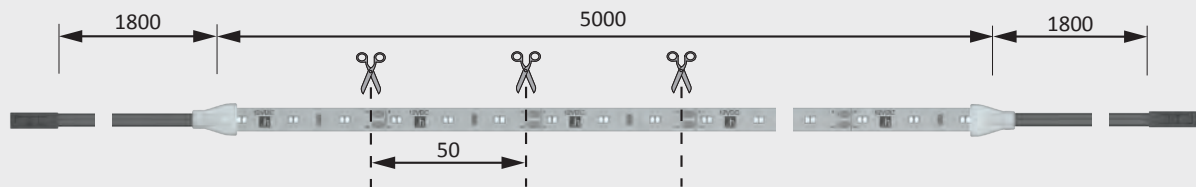


Dimensional drawing / installation

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+<br>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<br>M1 plug connector   |
| Connection to:              | LED ballast   |

### Versa Plus

| Article              | Order no.<br>MultiWhite* | Order no.<br>Extra warm** | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>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 |

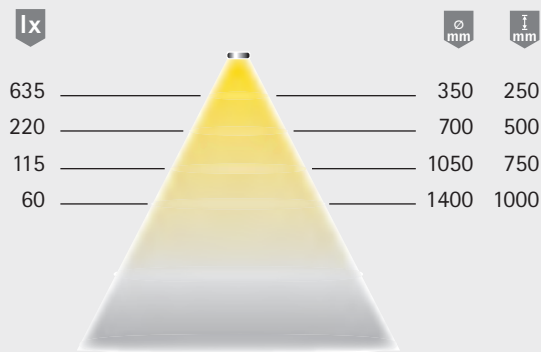
\* for MultiWhite accessories, see chapter "Switch systems"

\*\* for Versa Plus 2500 K

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



Light distribution diagram / 70° (length 600 mm)

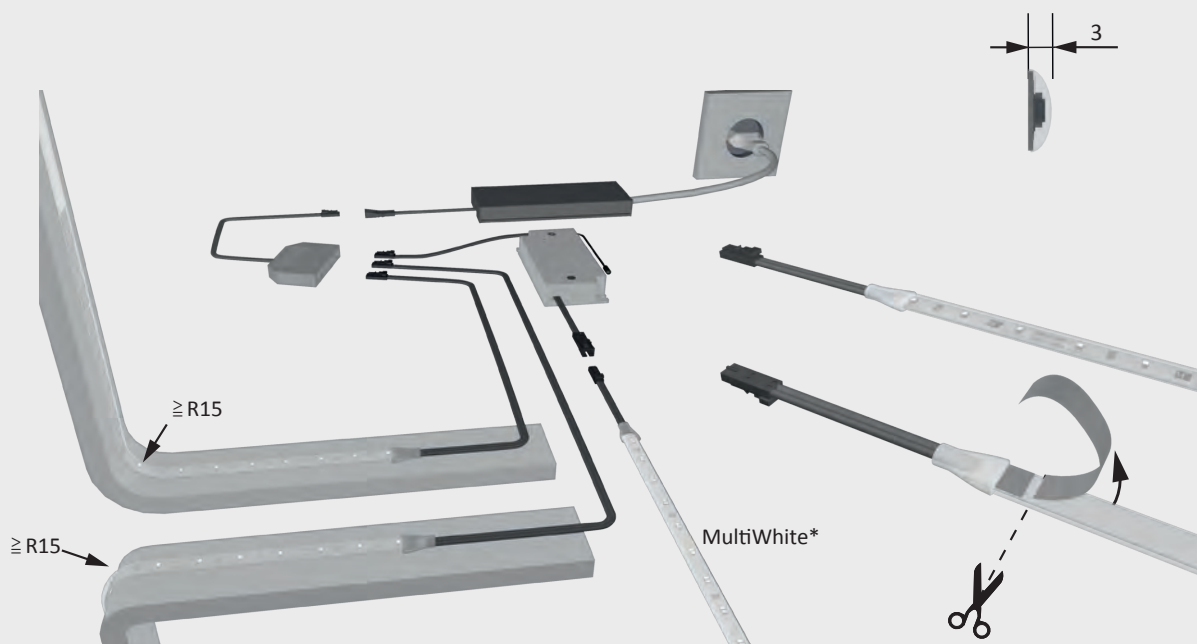
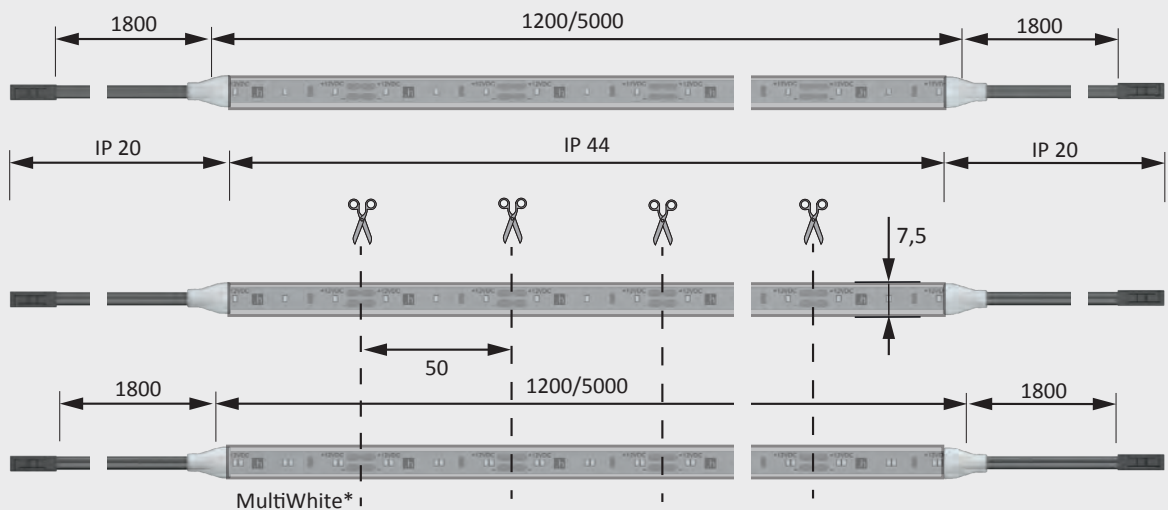


Light box



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

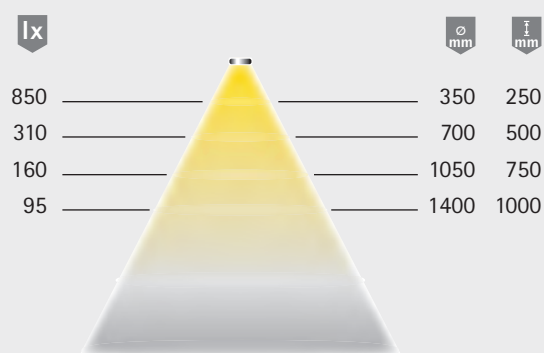
| Article             | Order no.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>Cool white |
|---------------------|-------------------------|-------------------------|----------------------------|-------------------------|
| 5000 mm (max. 24 W) | 55 811 43               | 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)

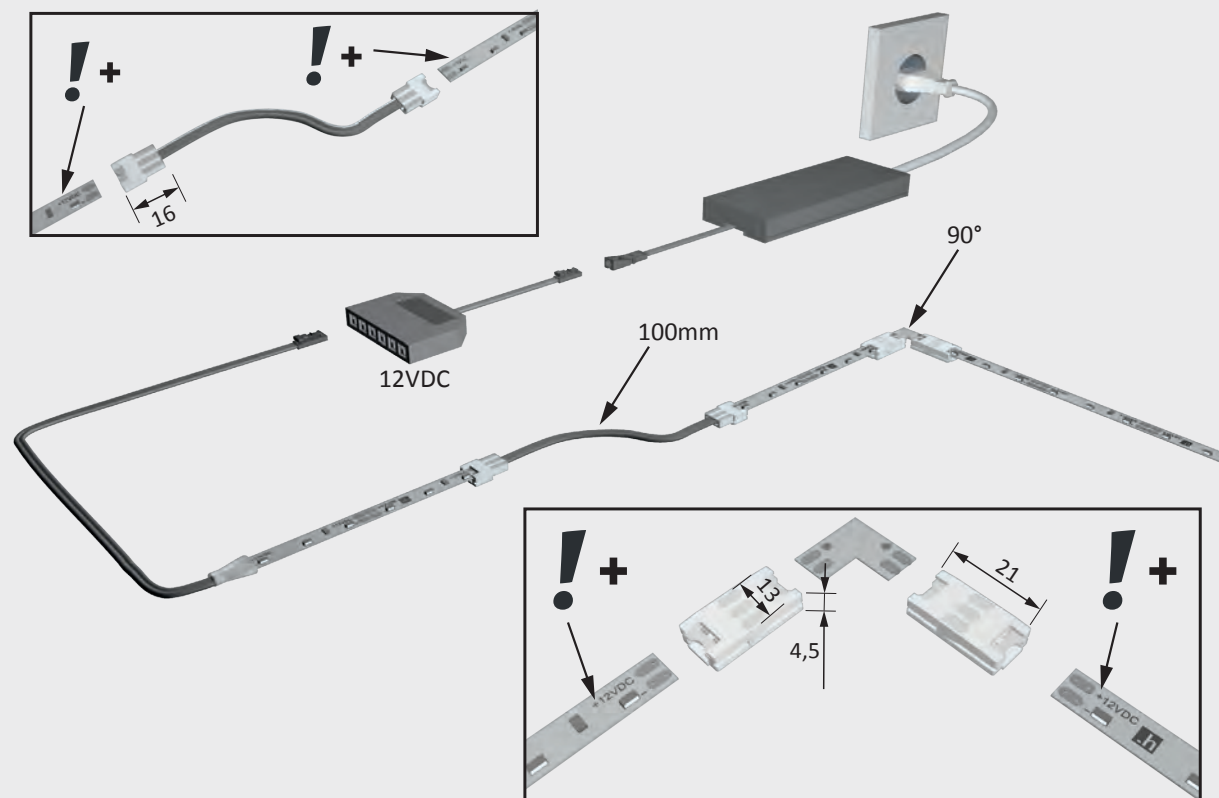
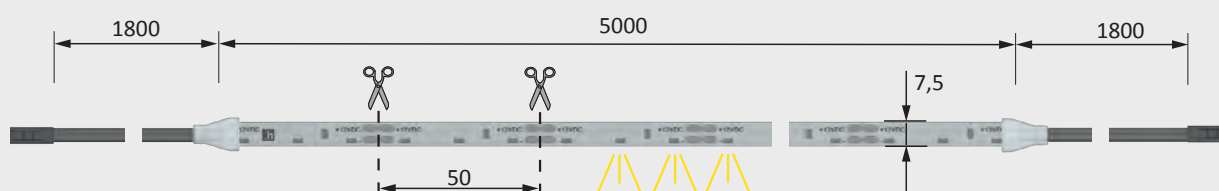


Light box



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

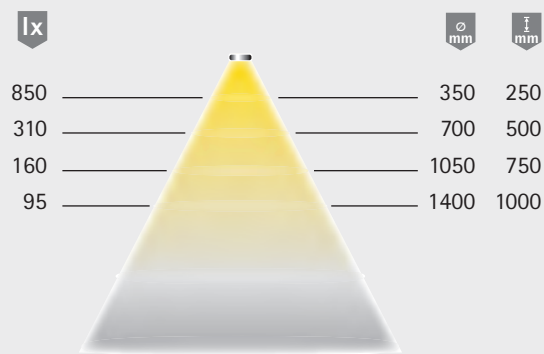
| Article             | Order no.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>Cool white |
|---------------------|-------------------------|-------------------------|----------------------------|-------------------------|
| 3000 mm (max. 29 W) | 55 812 43     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

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

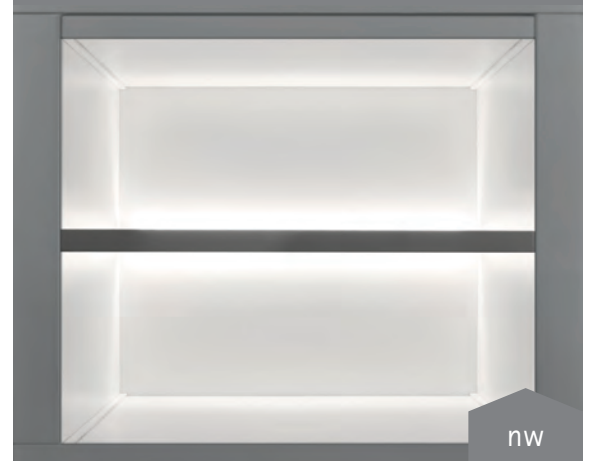
| Article  | Order no. |
|--|-----------|
| Direct connector (max. 36 W)                           | 36 334 01 |
| Direct connector (max. 36 W) - set (10 units)          | 36 327 01 |
| 90° connector (max. 36 W)                              | 36 335 01 |
| 90° connector (max. 36 W) - set (10 units)             | 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)

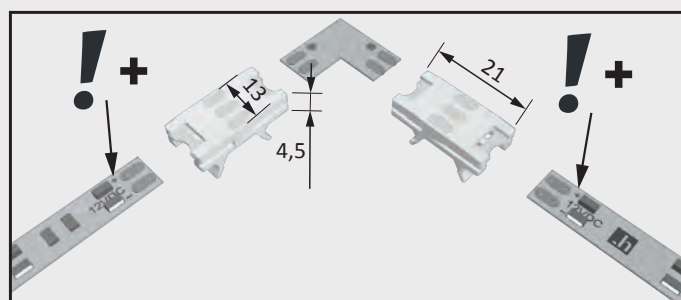
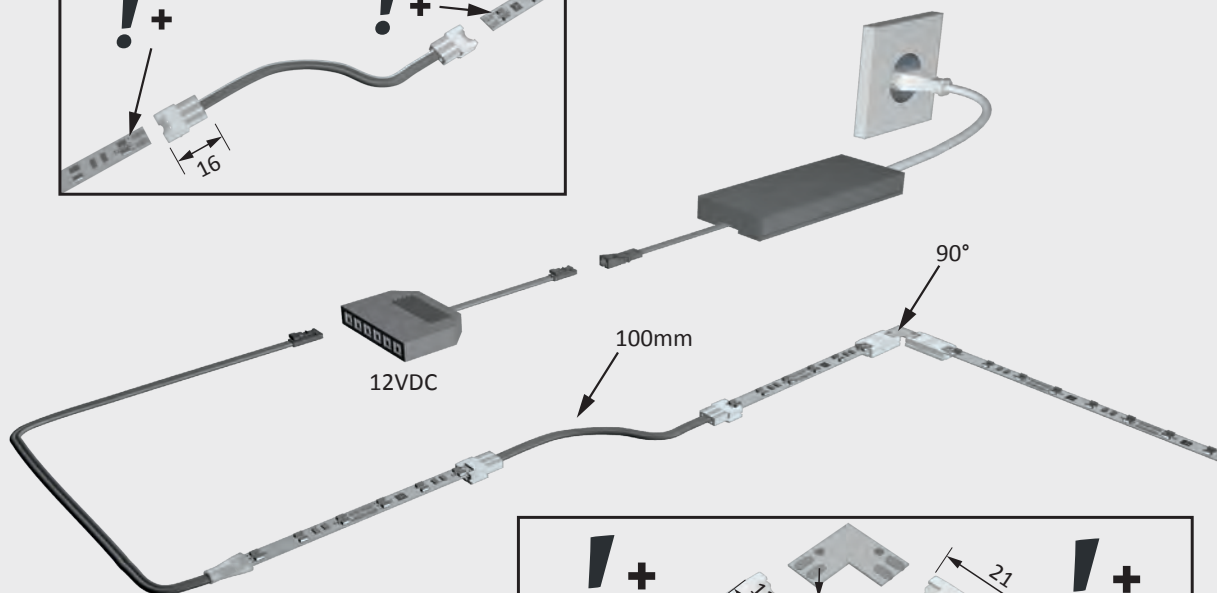
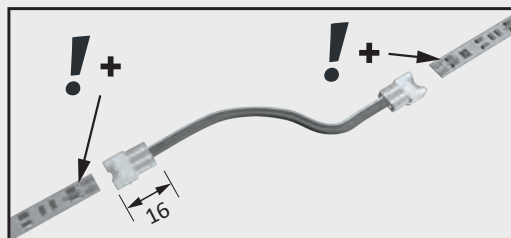
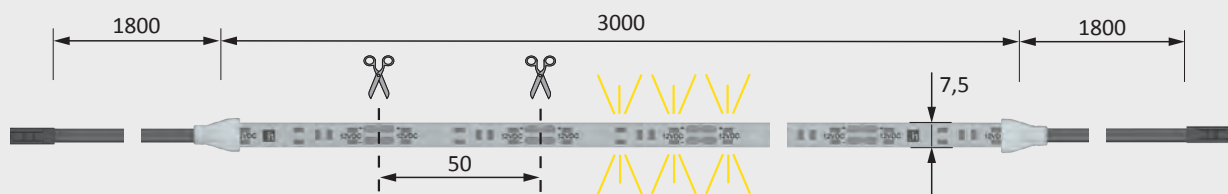


Light box



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



**12 V**

|                             |   |
|-----------------------------|---|
| 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+<br>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            |

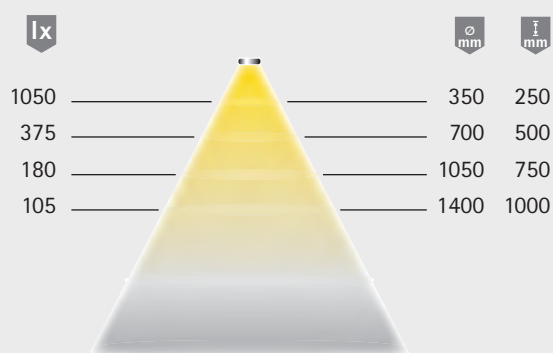
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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)

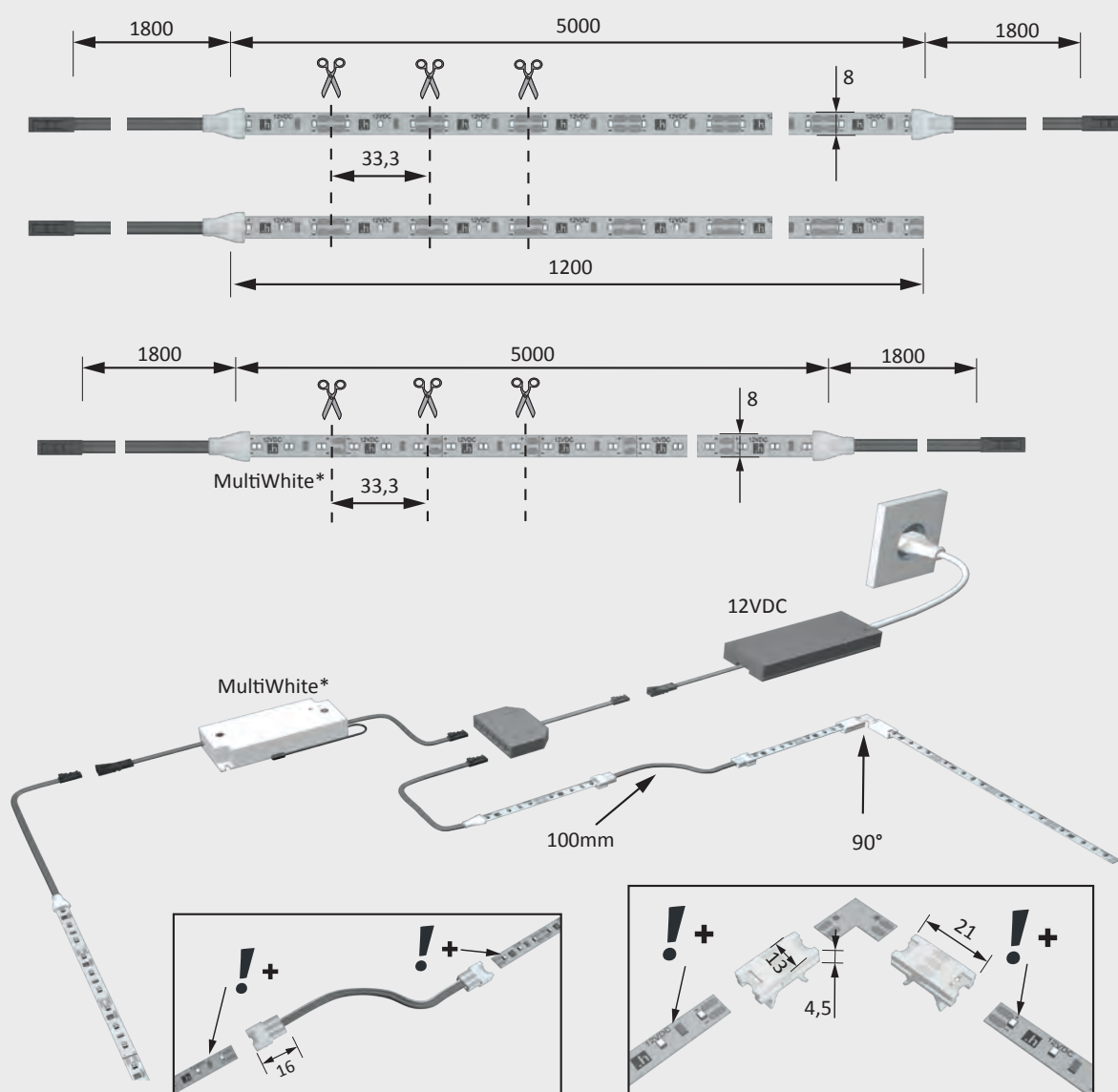


Light box

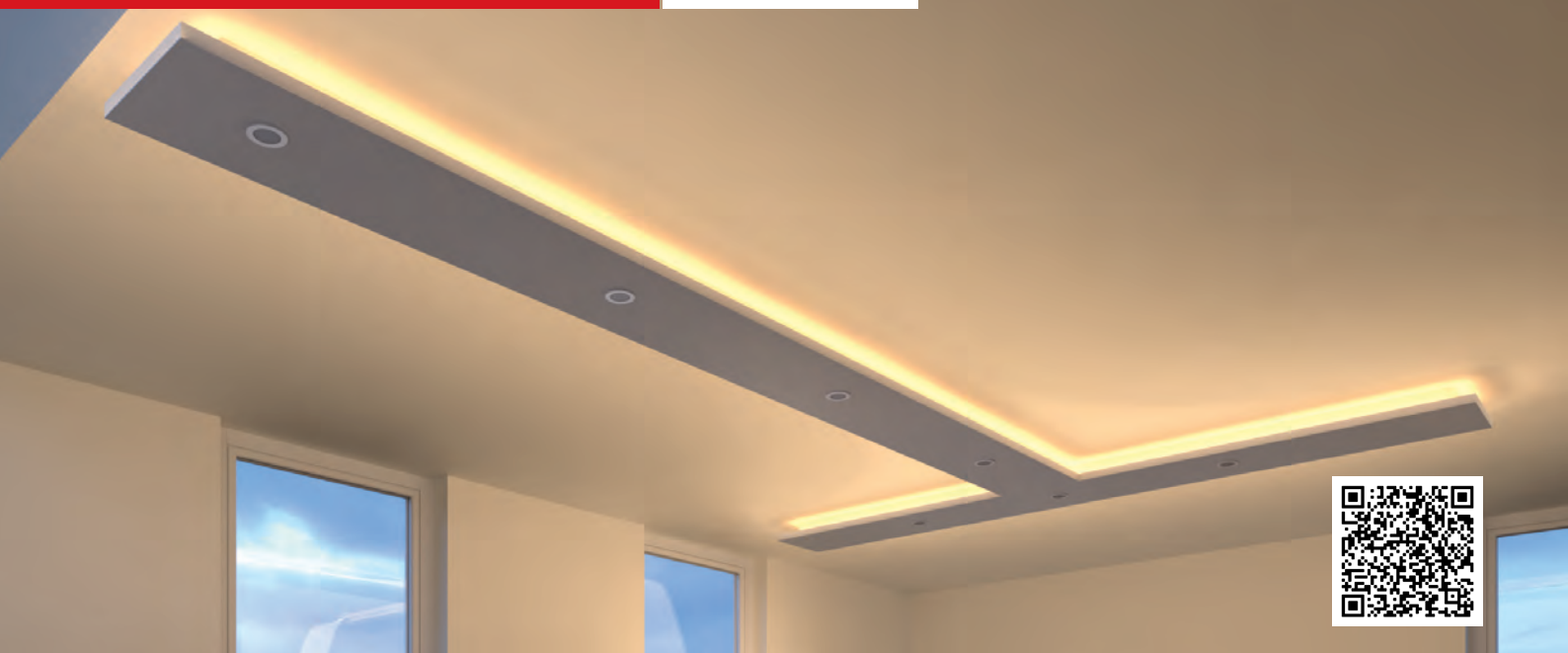


Dimensional drawing / installation

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, RoHS, Energy Star   |
| 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            |

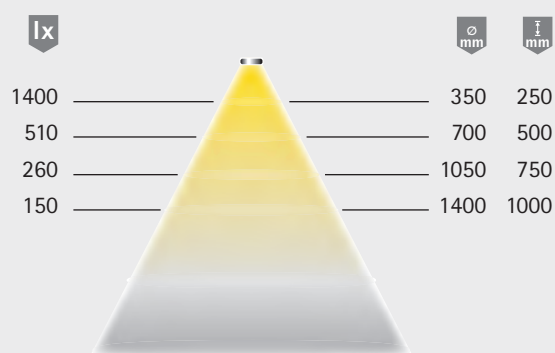
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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)

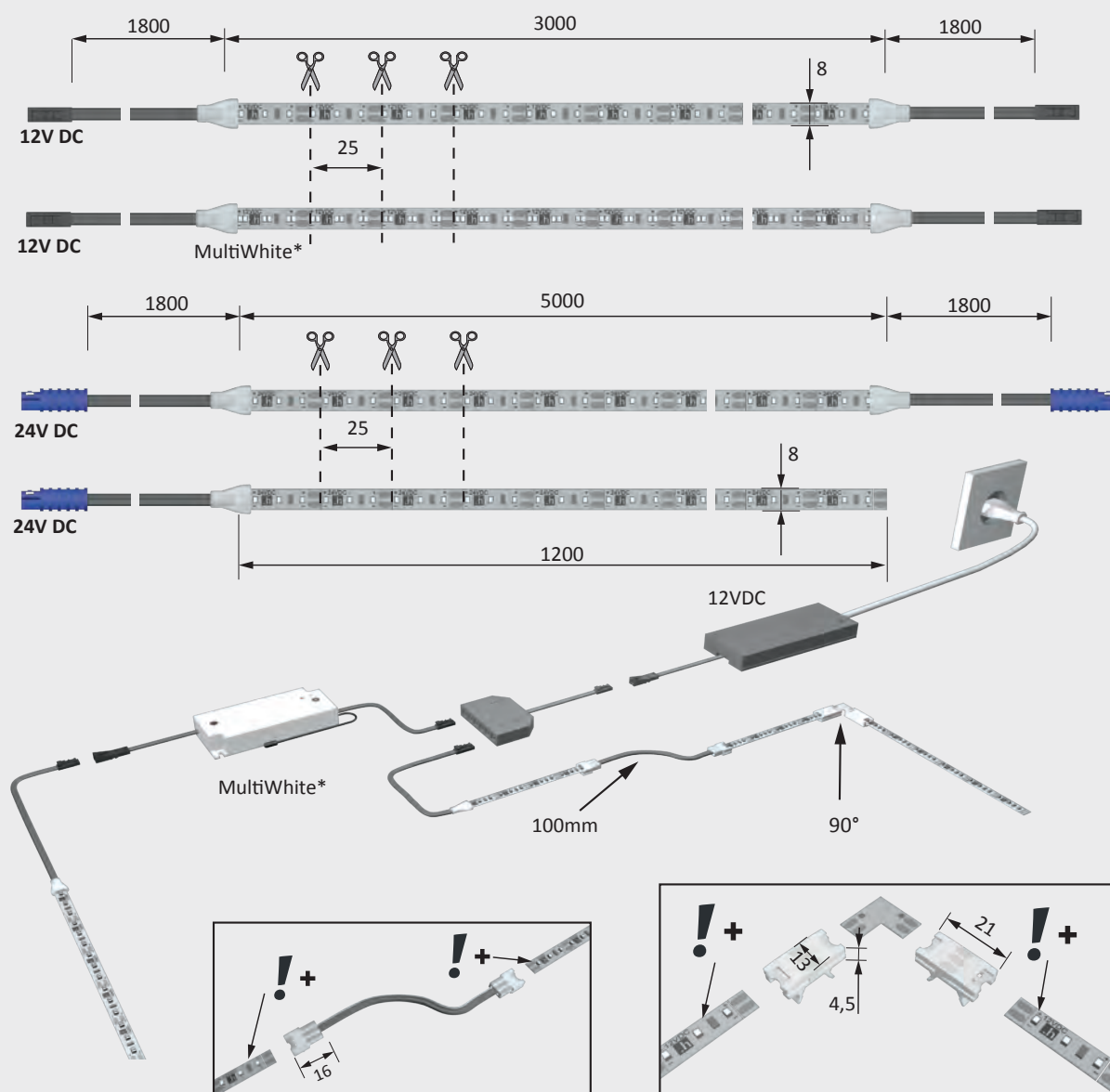


Light box



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.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>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"

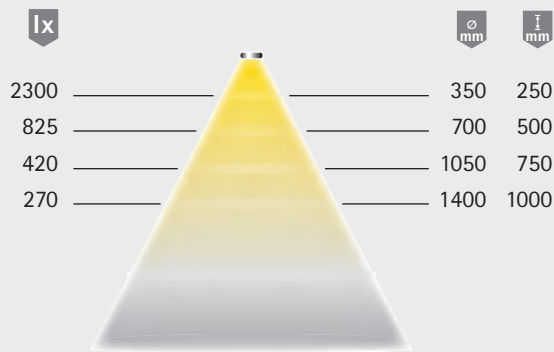
### Technical details in brief



|                             |  |
|-----------------------------|--|
| 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+<br>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 ◇ ▼▼  |
| Protection rating:          | IP 20  |
| Supply lead:                | 1800 mm  |
| Plug connection:            | LED-MultiPlug MP2  |
| Connection to:              | LED ballast  |



Light distribution diagram / 70° (length 600 mm)

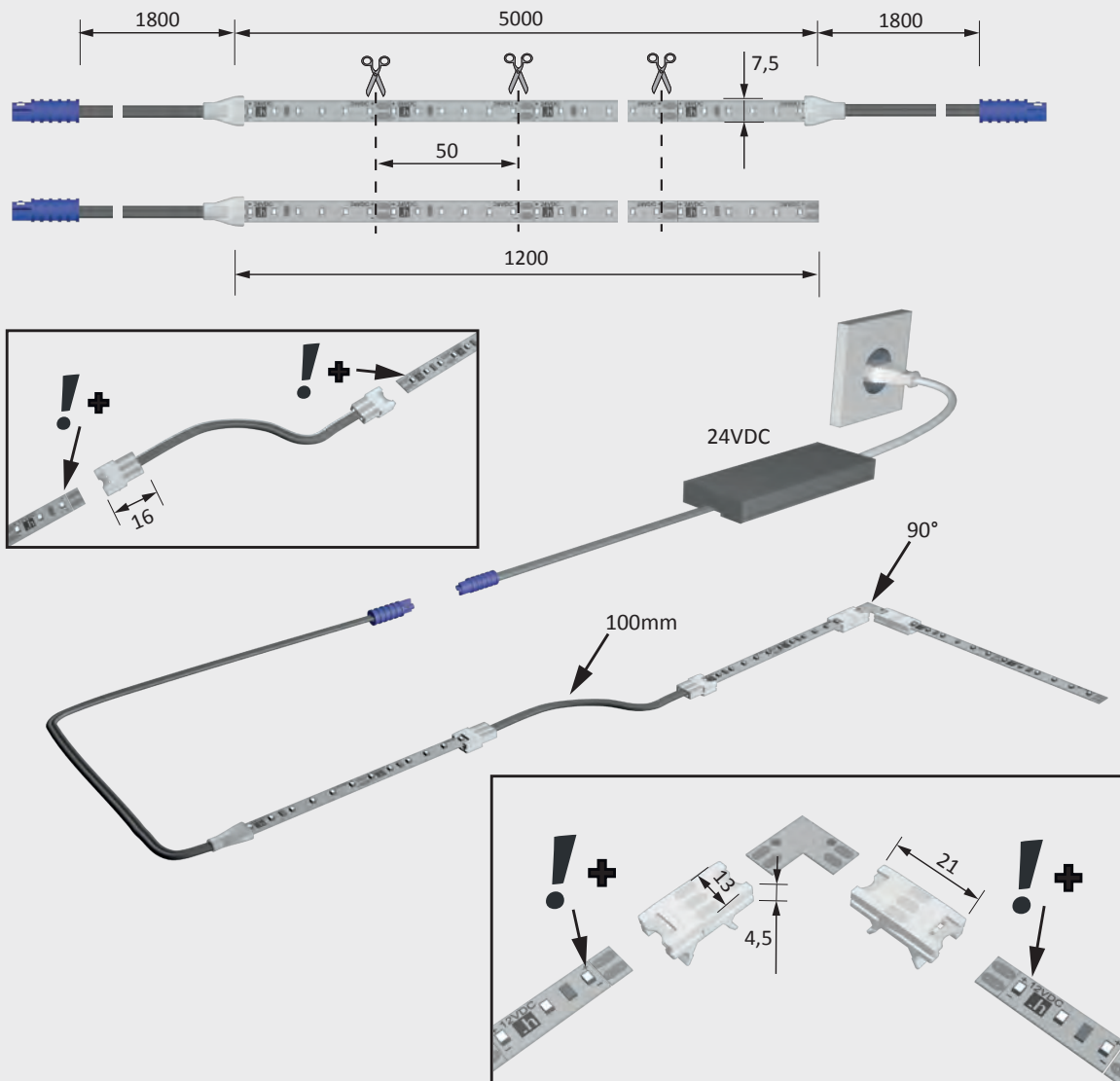


Light box



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



|                             |  |
|-----------------------------|--|
| 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 ◇ ▼ ▼   |
| Supply lead:                | IP 65*   |
| Plug connection:            | 2 x 1800 mm  |
| Connection to:              | LED-MultiPlug MP2  |
|                             | LED ballast  |

### Versa Super Plus 120

| Article               | Order no.<br>Extra warm | Order no.<br>Warm white | Order no.<br>Neutral white | Order no.<br>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               |

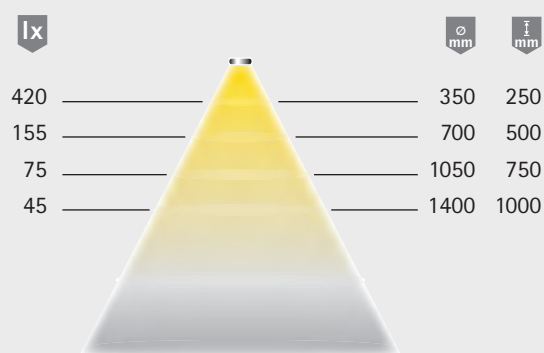
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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)

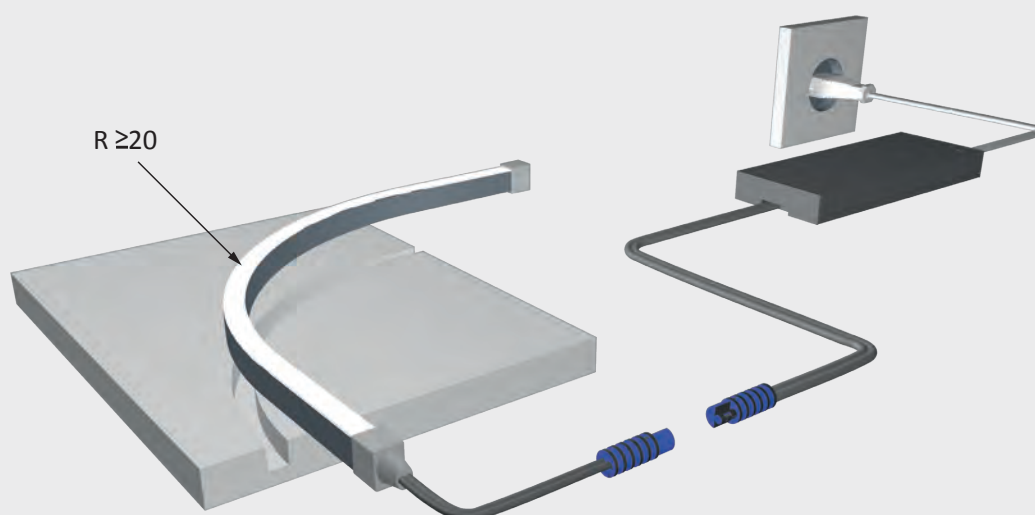
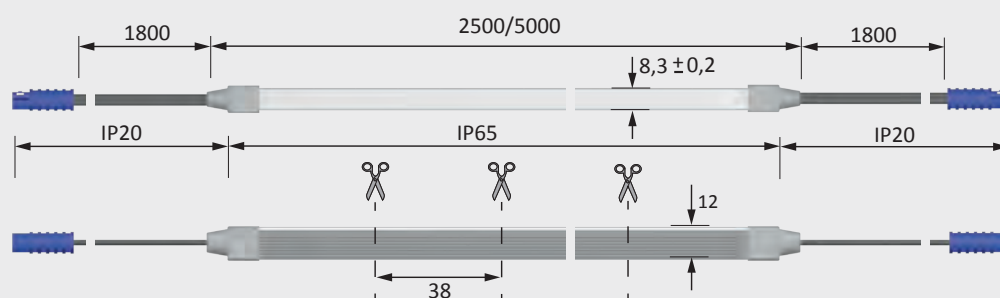


Light box



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**

|                           |                                    |
|---------------------------|------------------------------------|
| 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 |

### Versa Inside MultiColor

| Article            | Order no.<br>MultiColor |
|--------------------|-------------------------|
| 5000 mm (max. 72W) | 55 659 01               |


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

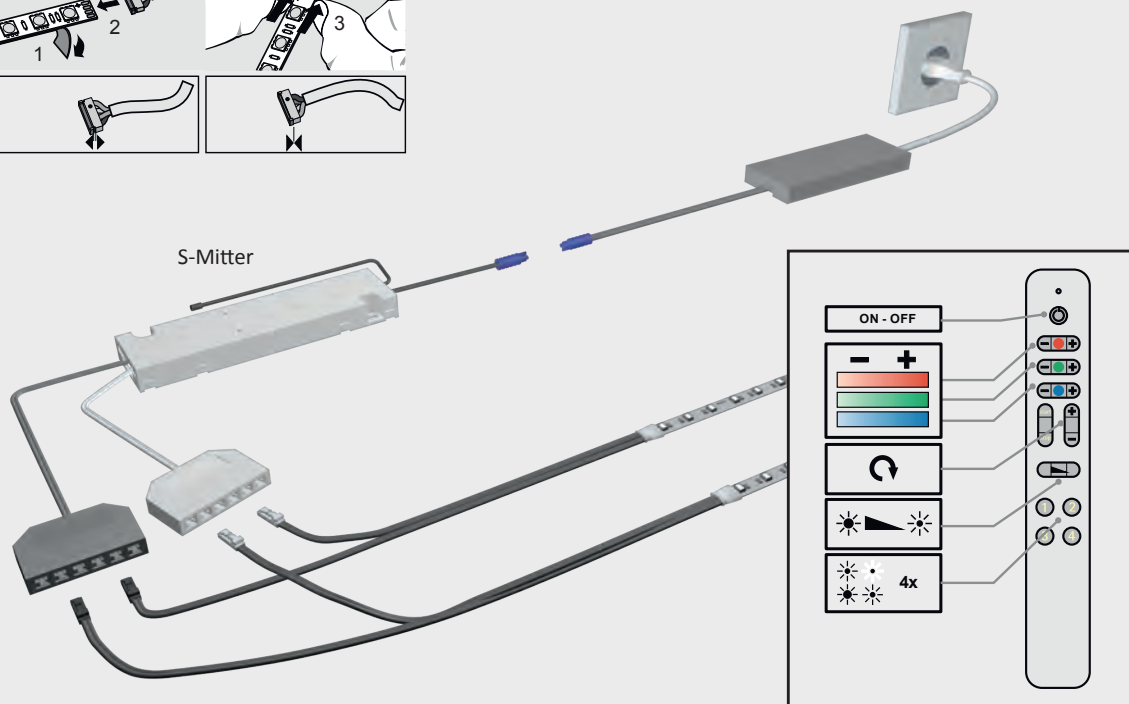
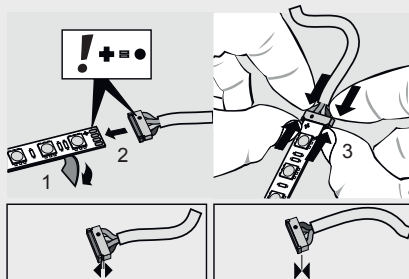
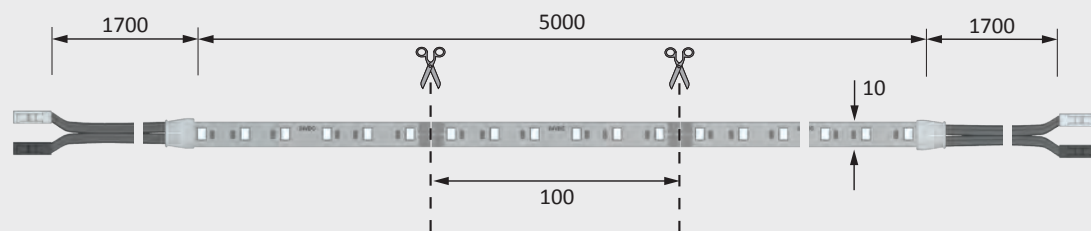
| Article  | Order no. |
|--|-----------|
| S-Mitter MultiColor remote control (max. 72 W) | 30 918 05 |
| S-Mitter MultiColor receiver (max. 72 W)       | 30 923 05 |
| MultiColor repeater (max. 72 W)                | 30 263 03 |
| 90° direct connector (max. 72 W)               | 36 311 04 |
| Flexible 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 |





## 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<br>(e.g. kitchen countertops)<br>or shelving units          | Behind decorative<br>elements such as<br>picture frames                           | Recessed light - Can<br>be combined with<br>ChannelLine sensor                     | Recessed light made<br>to measure - suitable<br>for combination with<br>ChannelLine sensor | Surface-mounted light<br>made to measure -<br>suitable for combination<br>with ChannelLine |
| Versa 60<br>                | opal  | Accent lighting in dark rooms<br>No visible light dots                            |  | Accent lighting in dark rooms  |  |
|  | clear   | ✗   |  | ○  |  |
| Versa 90<br>                | opal  | Accent lighting with<br>bright ambient light<br>No visible light dots             |  | Accent lighting with bright<br>ambient light   | Functional lighting  |
|  | clear   | ✗   |  |  | ○  |
| Versa 120<br>     | opal  | Accent lighting with bright<br>ambient light<br>No visible light dots             | ○  | Accent lighting with<br>bright ambient light<br>No visible light dots                      | Functional lighting with bright ambient light  |
|  | clear   |   | ✗  |  | Functional lighting approx. 30 % brighter than<br>with matt-finish profile                 |
| Versa 120 HP<br>     | opal  |   | ○  |  | Functional lighting with powerful general light  |
|  | clear   |   | ✗  |  | Functional lighting approx. 30 % brighter than<br>with matt-finish profile                 |
| Versa SideView<br>     | opal  |   |  |  |  |
|  | clear   | ✗   |  |  |  |
| Versa Up&Down<br>      | opal  |   |  |  |  |
|  | clear   | ✗   |  |  |  |
| Versa MultiColor<br>  | 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<br>           | opal  | Accent lighting in dark rooms   | Functional lighting   | Accent lighting  | ○   | Accent lighting<br>No visible light dots  |
|  | clear | ○   | Functional lighting approx. 30 % brighter than with matt-finish profile           |  | ×   |   |
| Versa 90<br>           | opal  | Functional lighting   |   |  | ○   | Accent lighting No visible light dots   |
|  | clear | ○   | Functional lighting approx. 30 % brighter than with matt-finish profile           |  | ×   |   |
| Versa 120<br>        | 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<br>     | 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<br>   | opal  |   |   |  | Accent lighting   | ×   |
|  | clear |   |   |  | ×   |   |
| Versa Up&Down<br>    | opal  |   |   |  | Accent lighting   | ×   |
|  | clear |   |   |  | ×   |   |
| Versa MultiColor<br> | 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



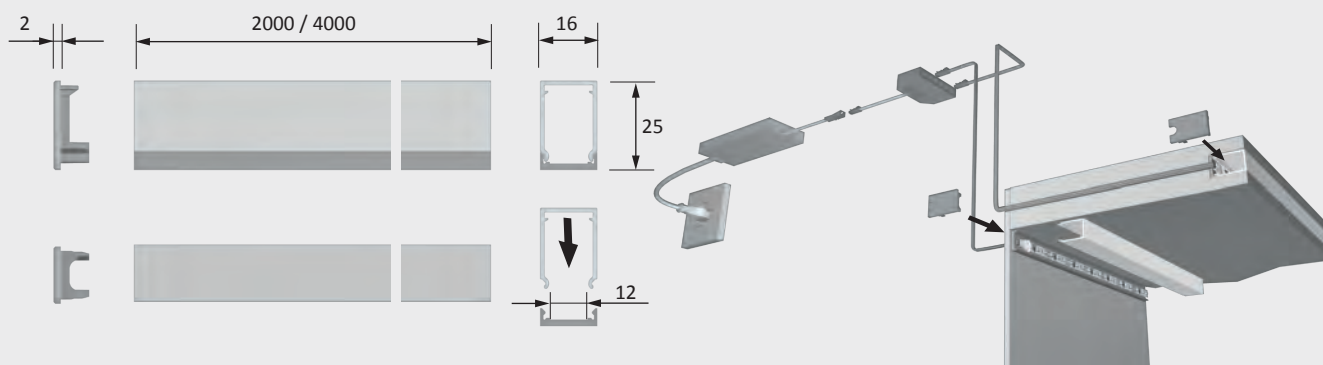
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### ChannelLine A

| Article   | Order no.<br>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



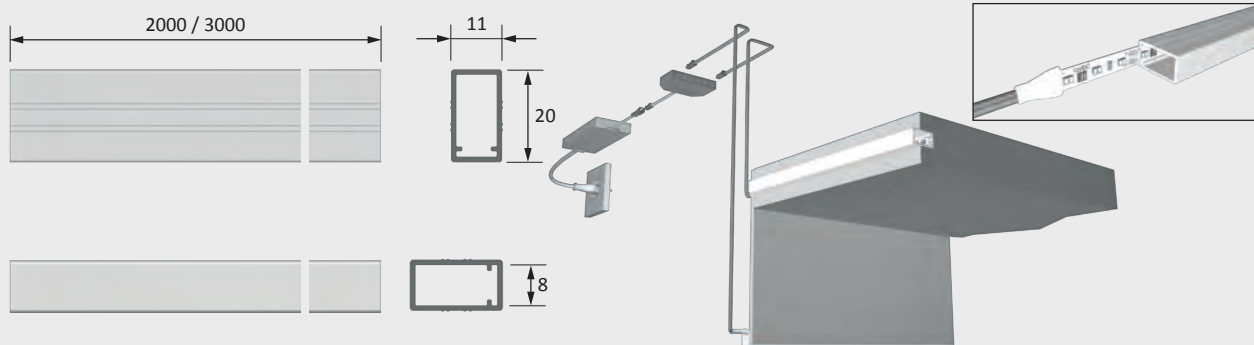
### Recommended for:

Versa Inside 30  
Versa Inside 60  
Versa Inside 90

### ChannelLine K

| Article                                    | Order no.<br>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



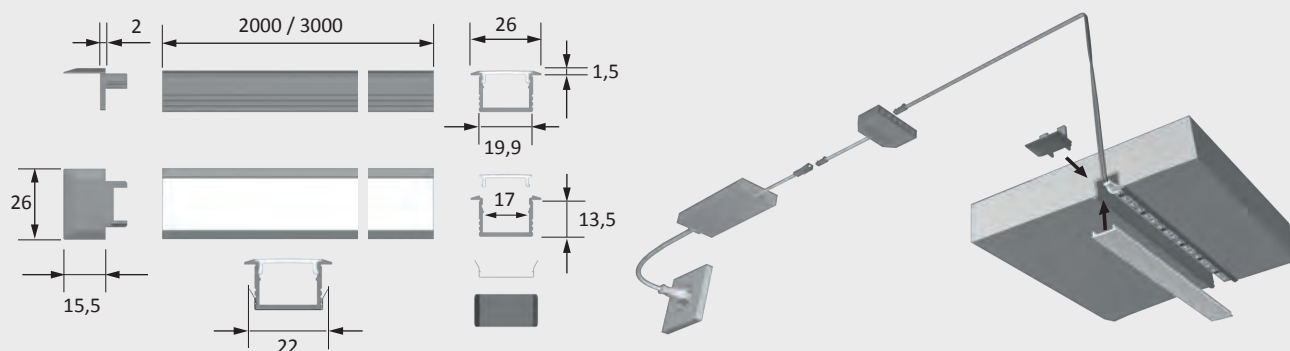
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### Channelline B

| Article   | Order no.<br>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







## ChannellLine 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 ChannellLine sensor

### Examples of use

- ▶ Furniture edges

### Ordering information

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

### Technical details in brief



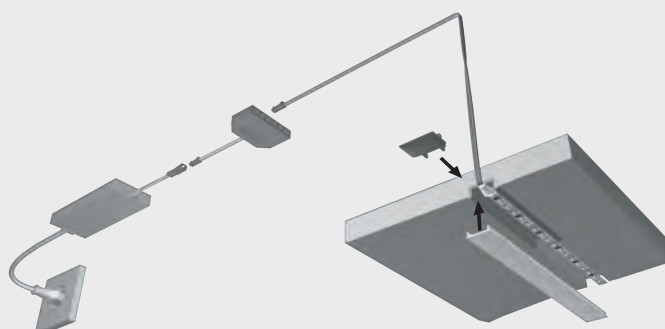
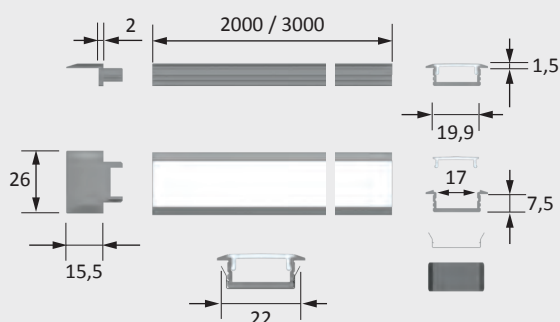
### Recommended for:

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

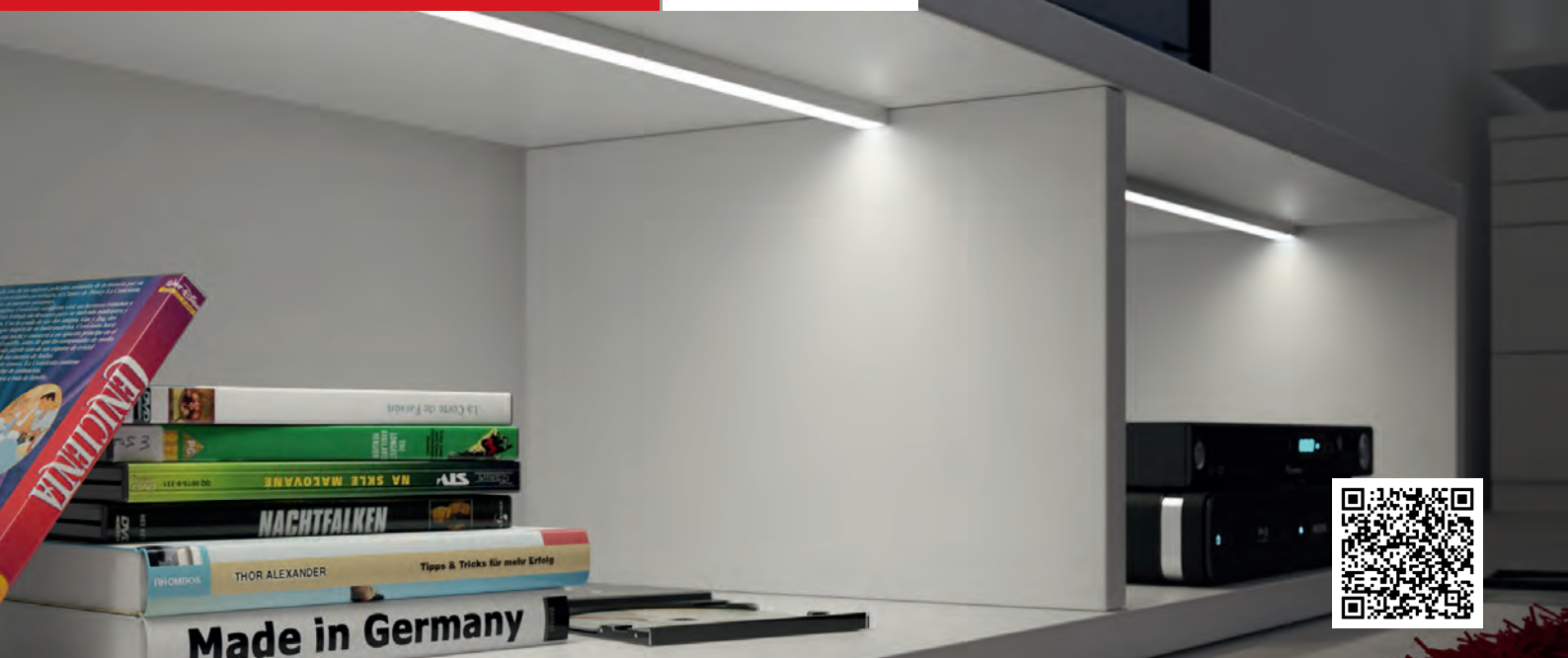
### ChannellLine C

| Article  | Order no.<br>Clear cover | Order no.<br>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 ChannellLine 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



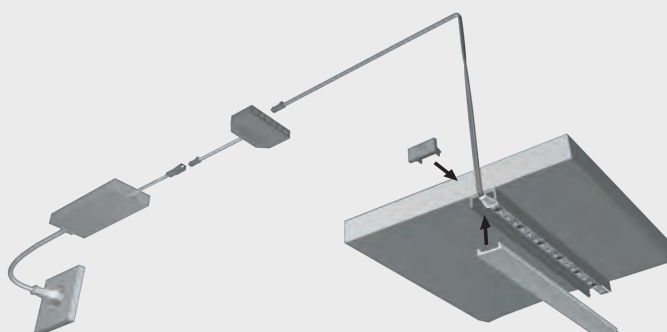
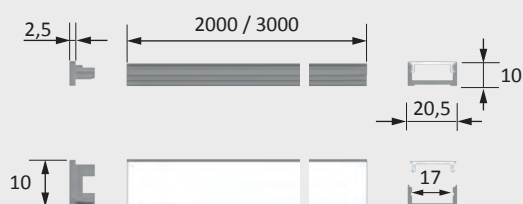
### Recommended for:

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

### Channelline D

| Article  | Order no.<br>Clear cover | Order no.<br>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

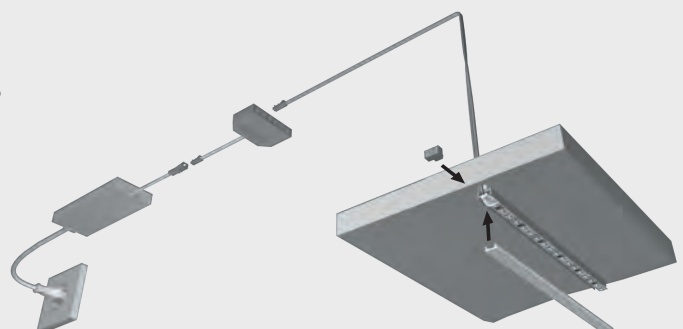
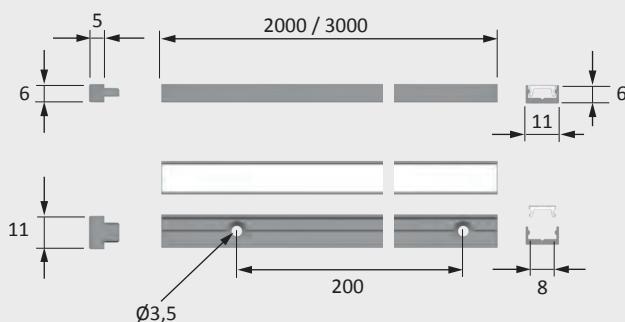


### Recommended for:

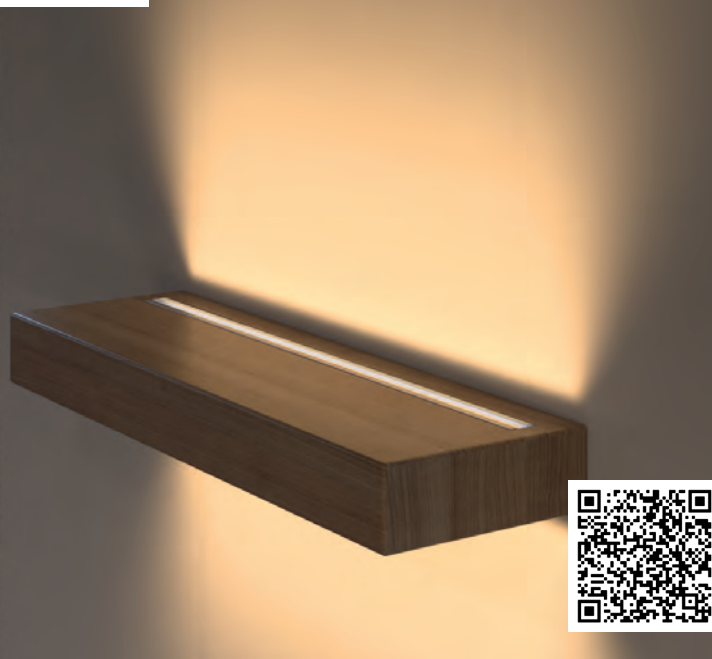
Versa Inside 60  
Versa Inside 90  
Versa Inside 120

| Channelline I  |                          |                         |
|--|--------------------------|-------------------------|
| Article  | Order no.<br>Clear cover | Order no.<br>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



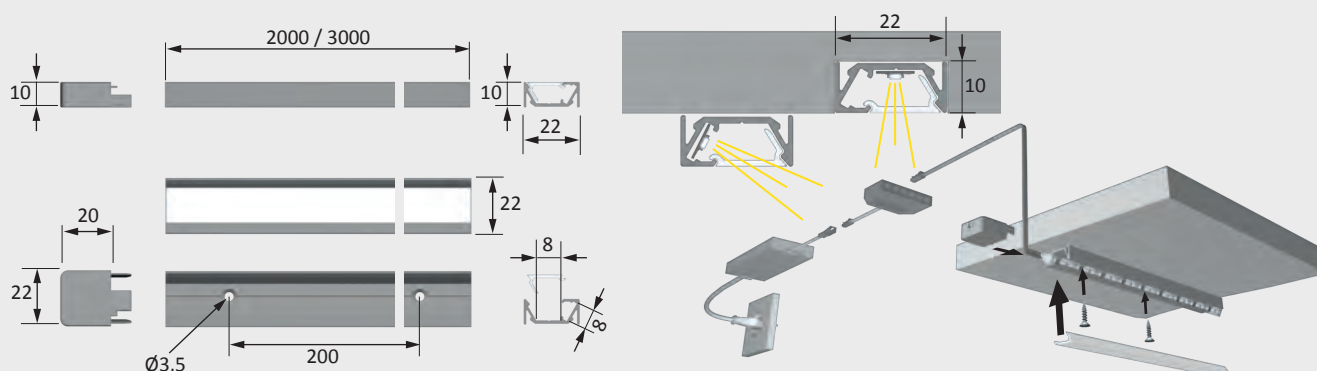
### Recommended for:

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

### ChannelLine G1

| Article  | Order no.<br>Clear cover | Order no.<br>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.<br>Clear cover | Order no.<br>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               |

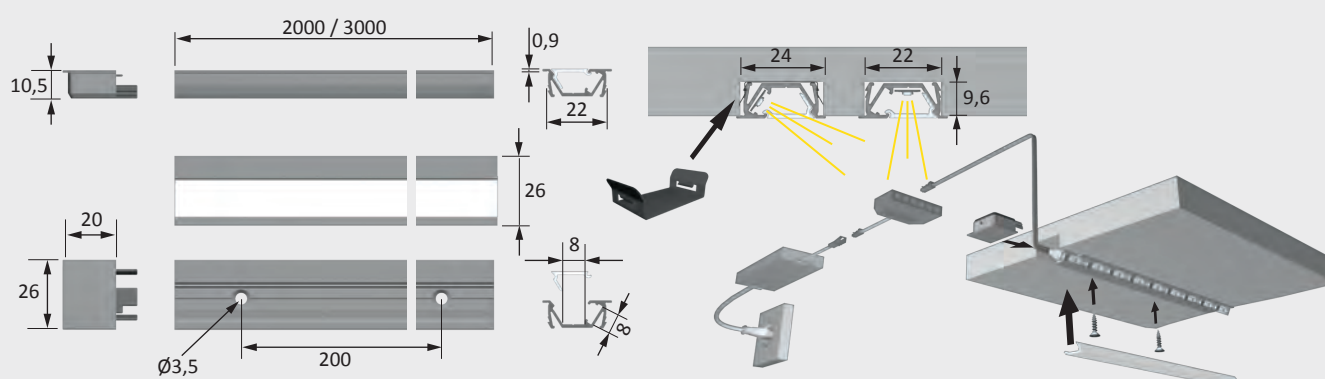
### Technical details in brief



### 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



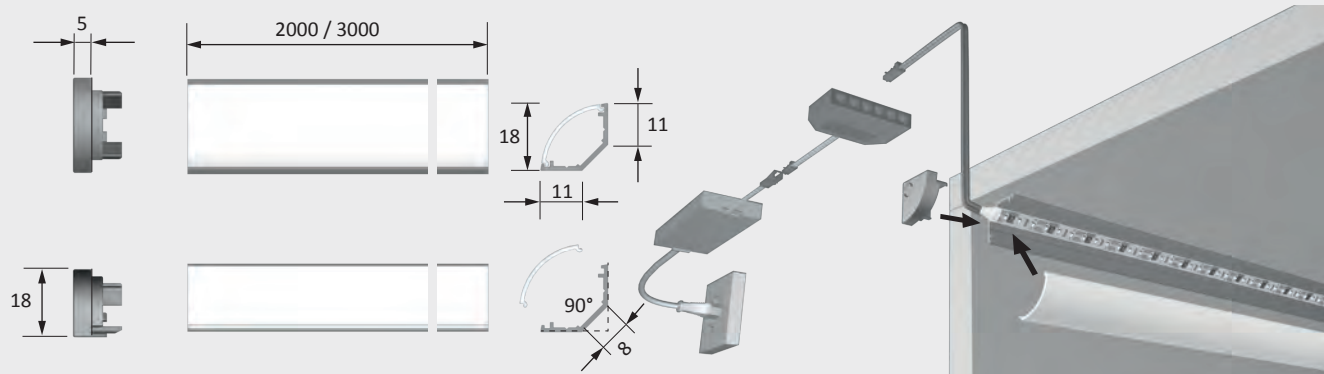
### Recommended for:

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

### Channelline H

| Article  | Order no.<br>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

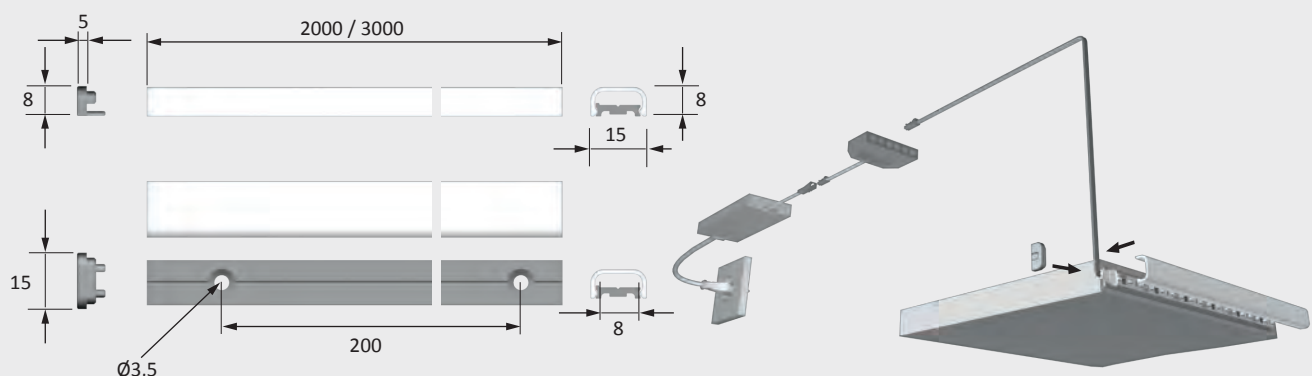


### Recommended for:

Versa Up&Down 60  
Versa SideView 60

| Channelline J  |                         |
|--|-------------------------|
| Article  | Order no.<br>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



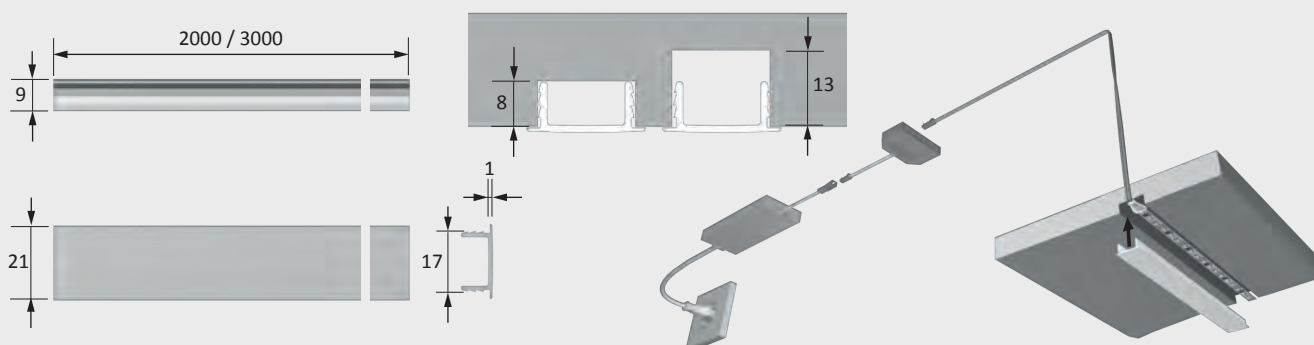
### Recommended for:

Versa Inside 60  
Versa Inside 90  
Versa Inside 120

### Channelline F

| Article                                    | Order no.<br>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

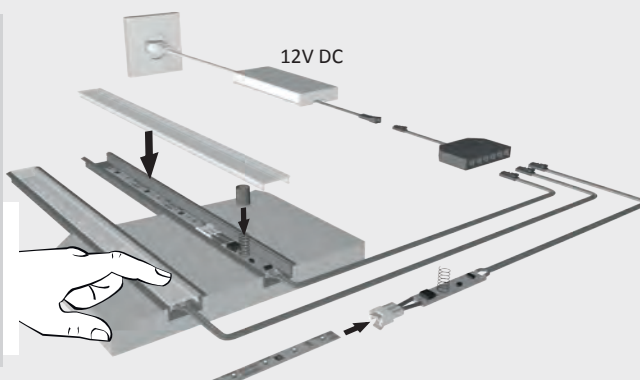
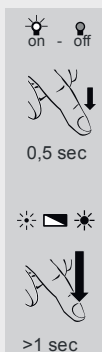
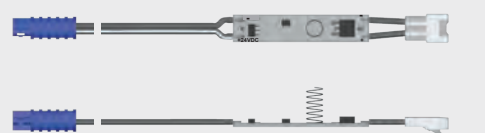
| Article                    | Order no.<br>Opal cover |
|----------------------------|-------------------------|
| ChannelLine sensor 12 V DC | 36 242 01               |
| ChannelLine sensor 24 V DC | 36 243 01               |

### Dimensional drawing / installation

12V DC 36W



24V DC 72W

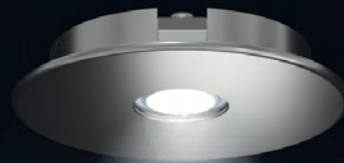
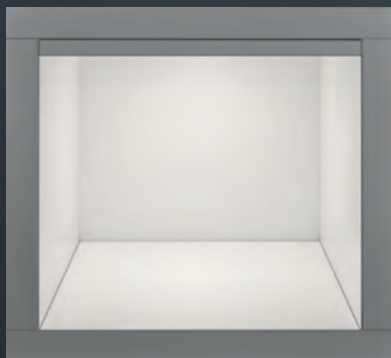






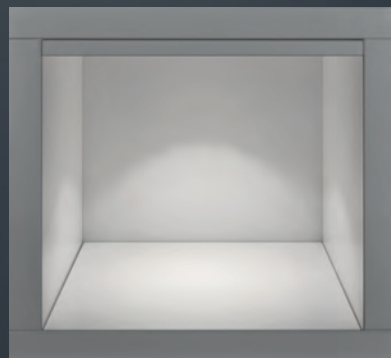
## Wide beam HV DownLite

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.







---

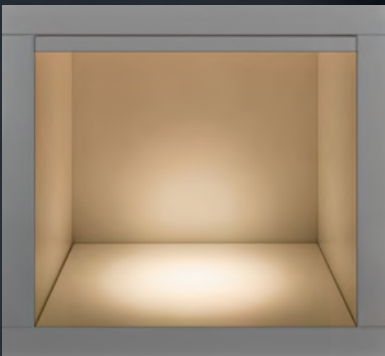
## Spotlights

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

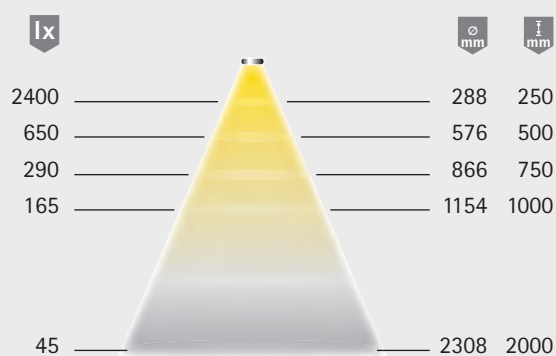
| Article                                   | Order no.<br>Warm white | Order no.<br>Neutral white |
|---|-------------------------|----------------------------|
| Individual light - mini HV plug-in system | 32 238 16               | 32 238 06                  |
| Individual light - wire end ferrules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

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

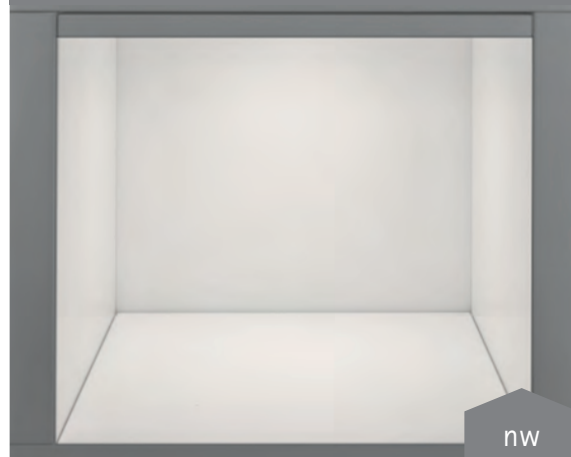
| Article   | Order no. |
|---|-----------|
| HV DownLite M cover ring 78 mm - aluminium look       | 25 399 06 |
| HV DownLite M cover ring 78 mm - white                | 25 399 01 |
| HV DownLite M cover ring 78 mm - stainless steel look | 25 399 09 |
| HV DownLite L cover ring 92 mm - aluminium look       | 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 |



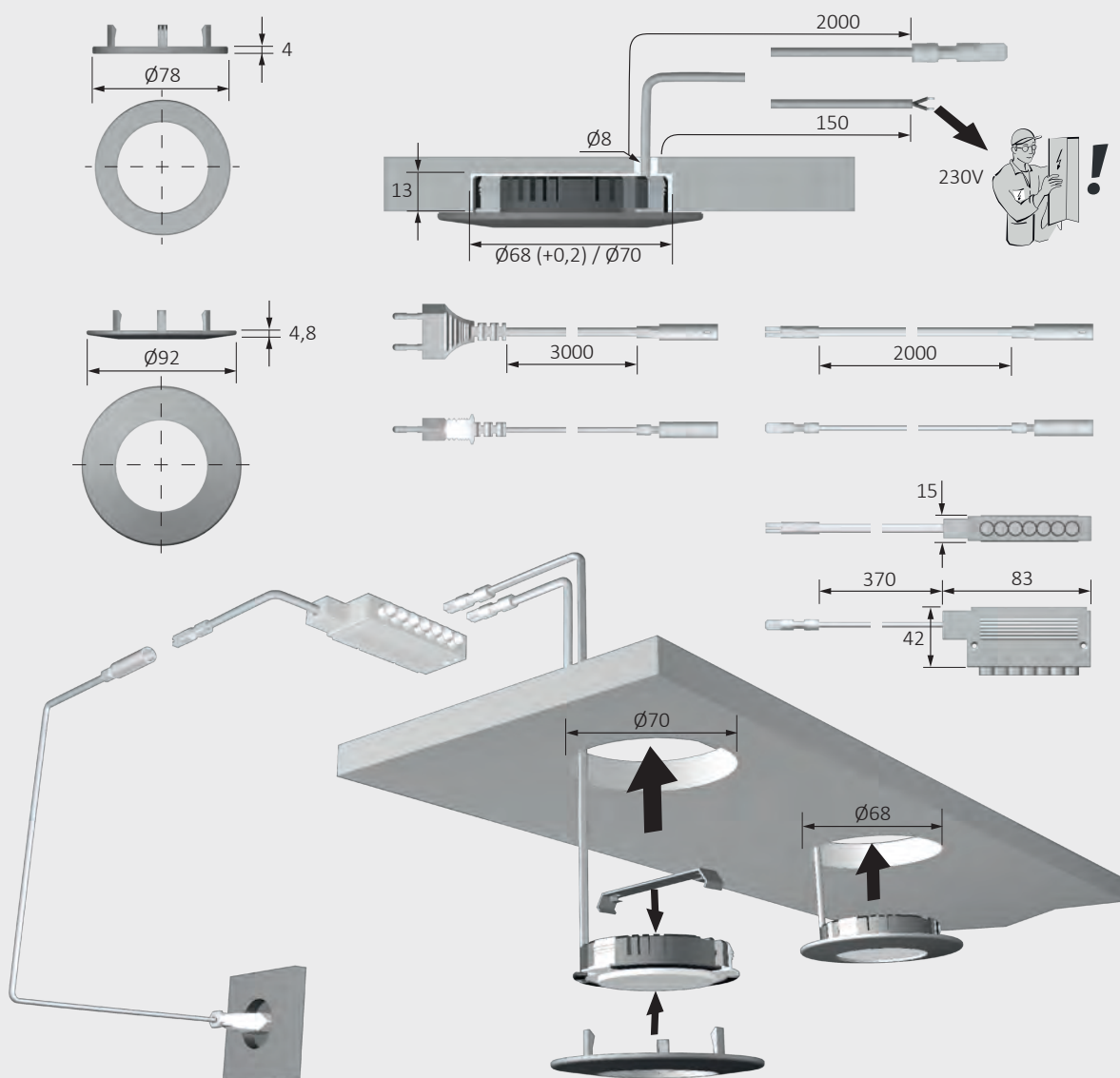
Light distribution diagram / 60°



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

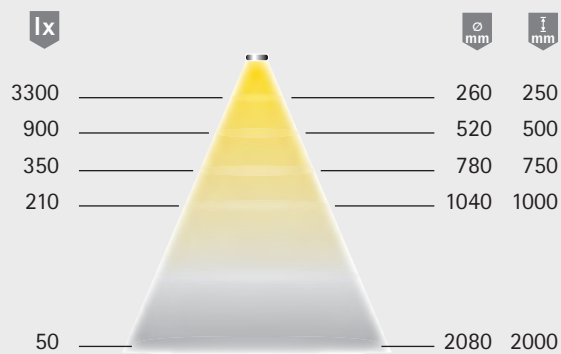
| Article              | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|-------------------------|----------------------------|
| Stainless steel look | 55 709 19               | 55 709 09                  |
| White                | 55 709 11               | 55 709 01                  |

### 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 |



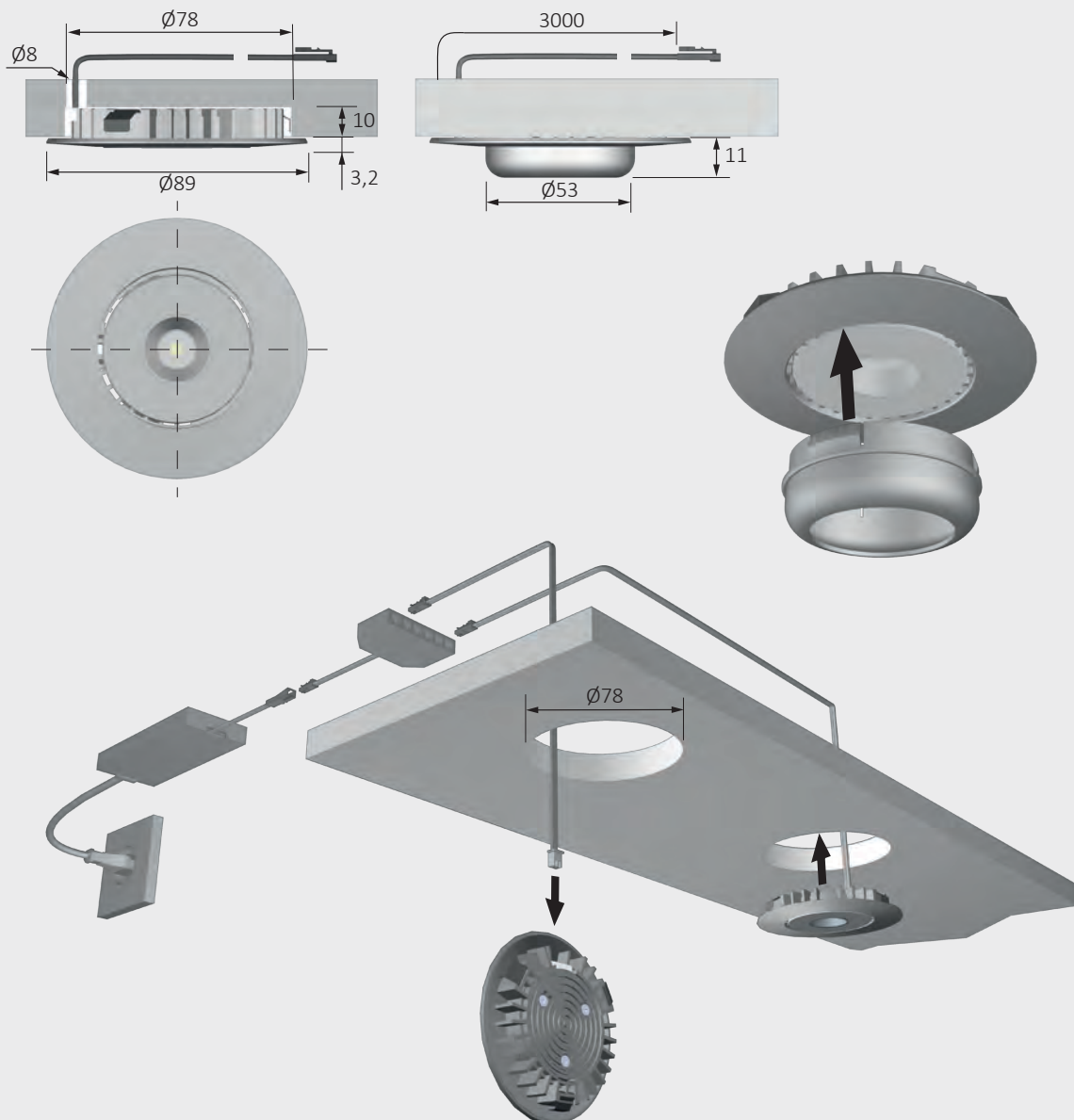
Light distribution diagram / 55°



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.<br>MultiWhite* | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|--------------------------|-------------------------|----------------------------|
| Stainless steel look | 32 031 39*               | 32 031 19               | 32 031 09                  |

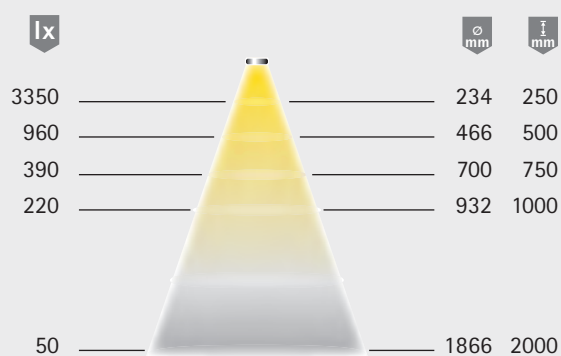
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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"



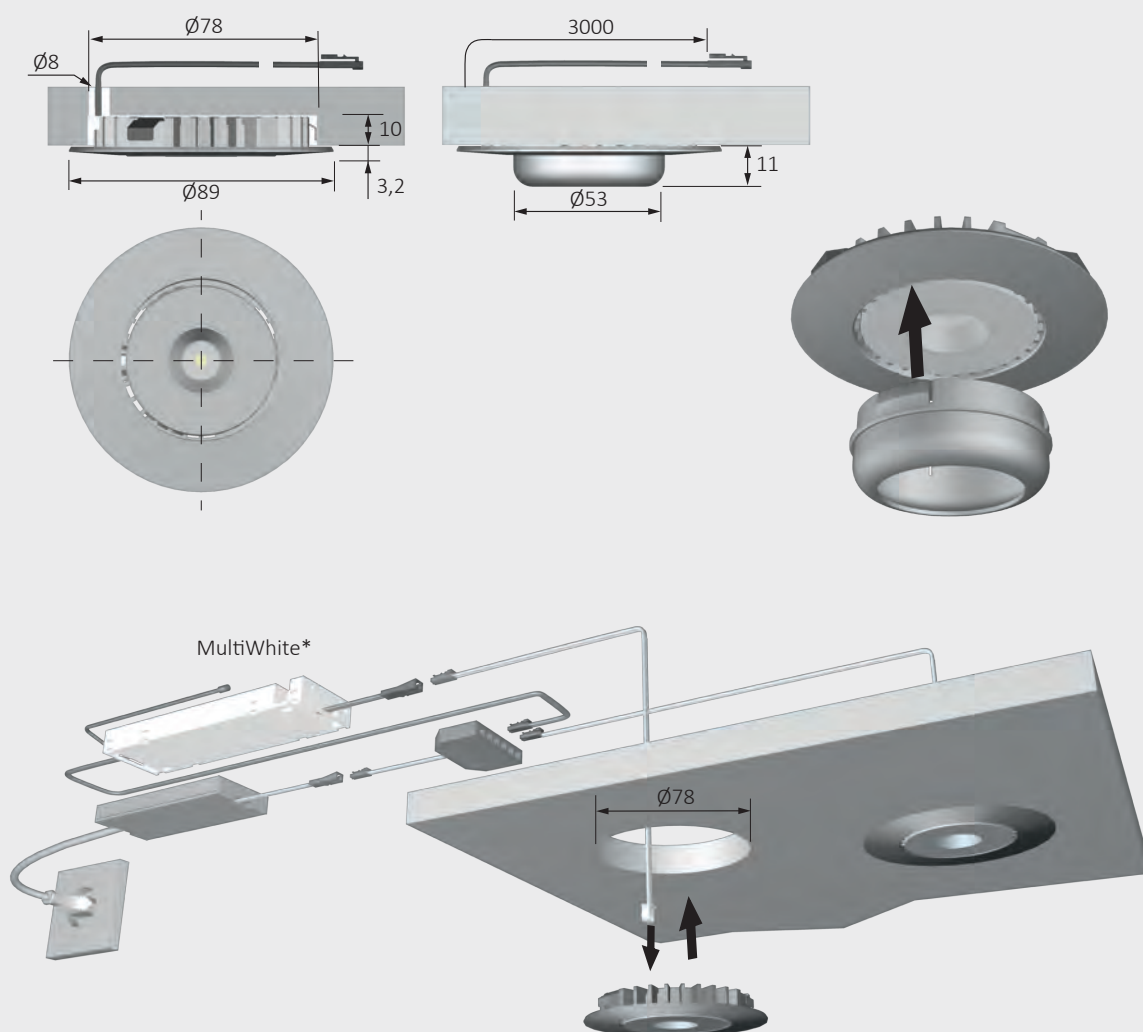
## Light distribution diagram / 50°



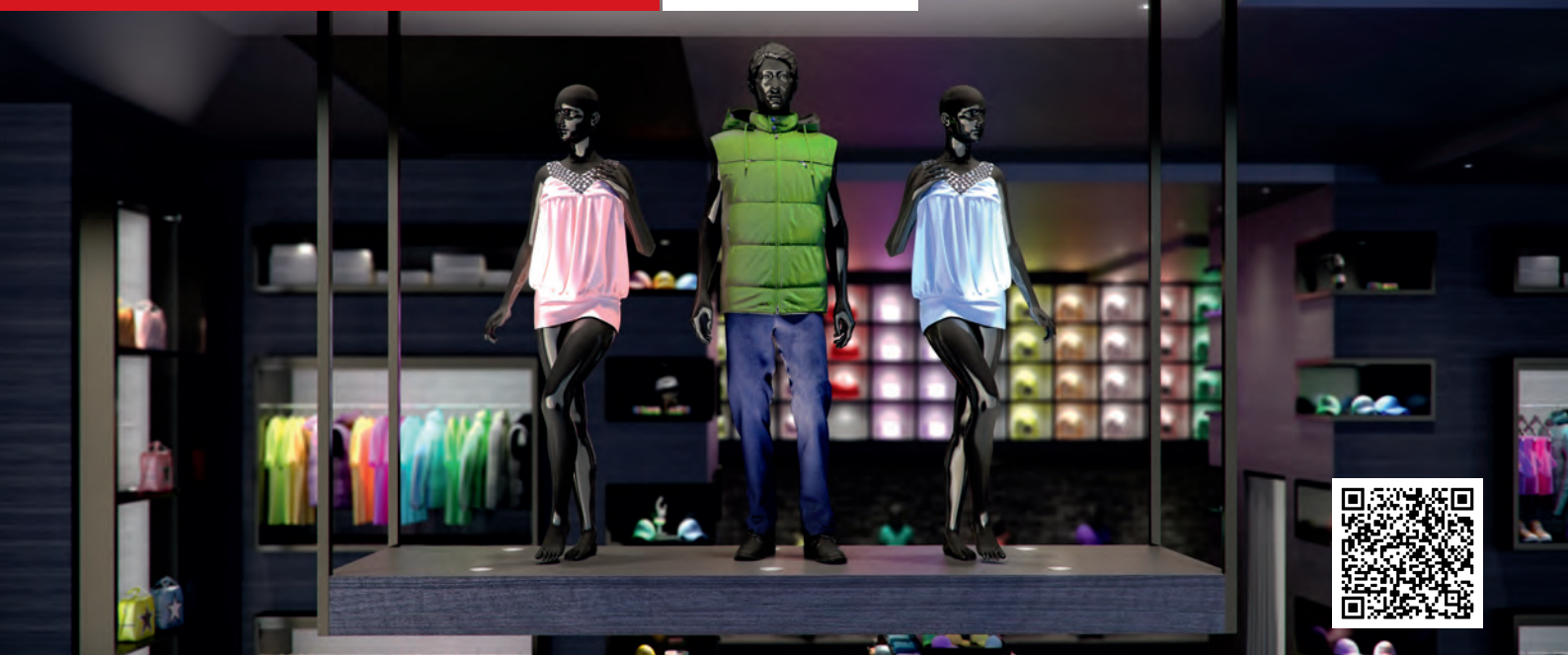
## Light box



## 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.<br>Warm white | Order no.<br>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

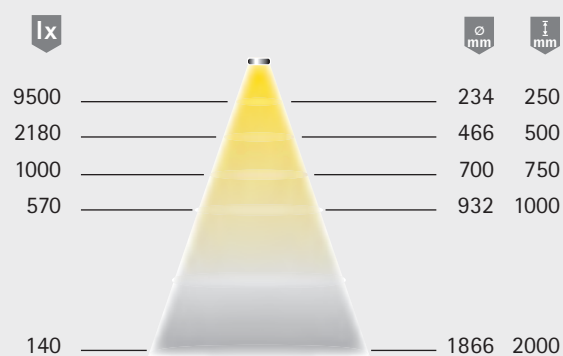
Colour rendering index CRI: > 80  
Energy efficiency: A+

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



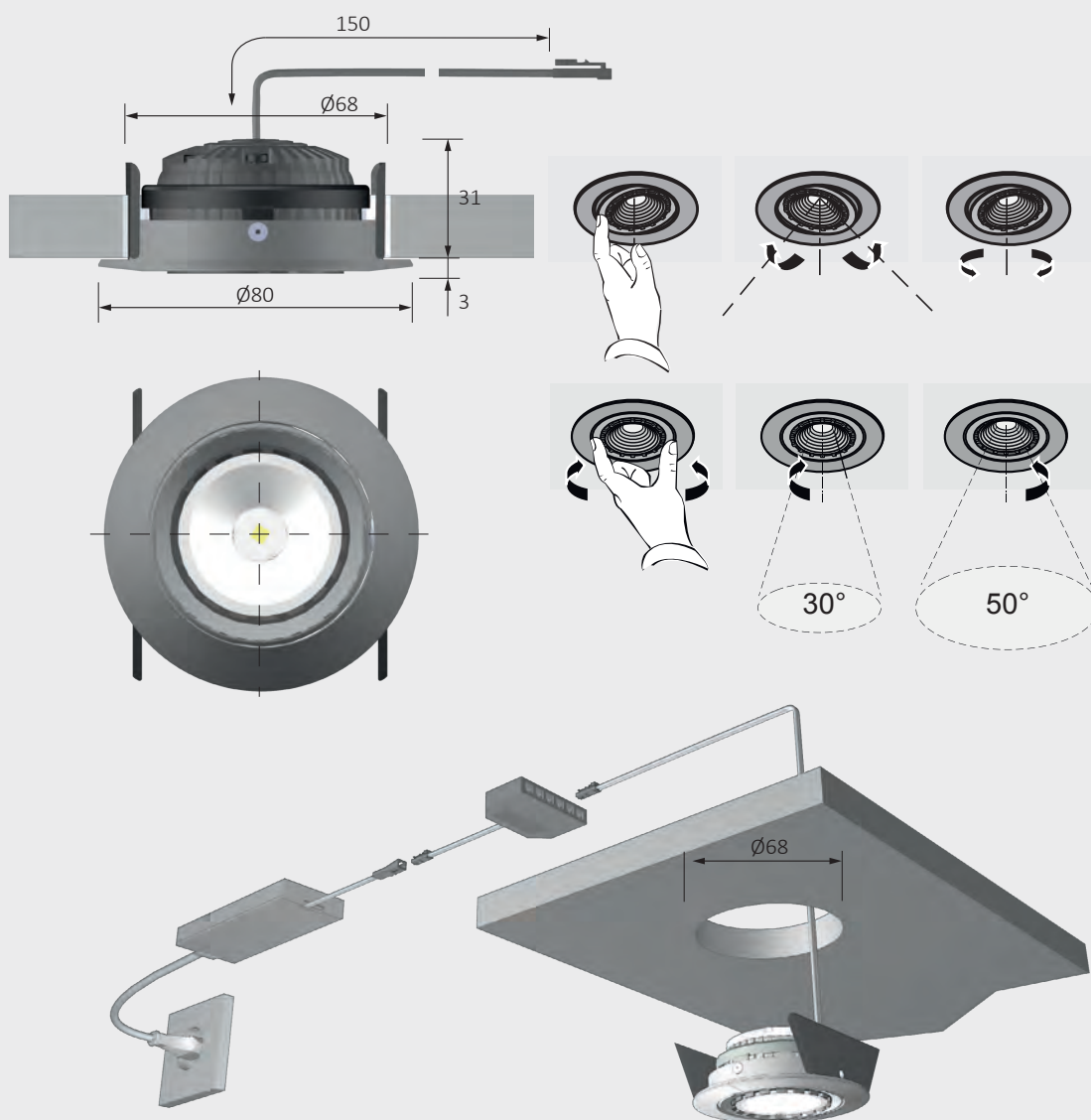
## Light distribution diagram / 50°



## 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

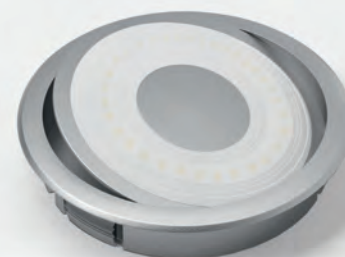
### Examples of use

- ▶ 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.<br>Warm white | Order no.<br>Neutral white |
|----------------|-------------------------|----------------------------|
| Aluminium look | 32 903 11               | 32 903 01                  |

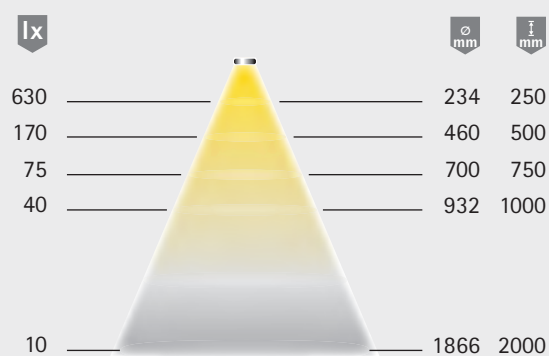
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

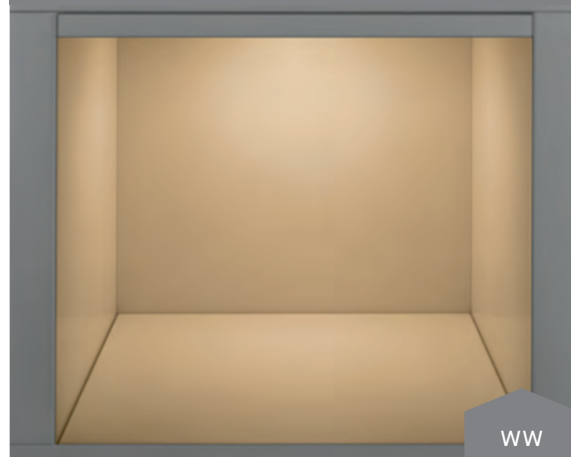
|                                |                                 |
|--------------------------------|---------------------------------|
| Lamp type:                     | LED recessed light              |
| Type of lighting:              | Functional /<br>accent lighting |
| Surface finish:                | Aluminium look                  |
| Operating voltage:             | 12 V DC                         |
| Light colour:                  | Warm white /<br>neutral white   |
| Colour rendering<br>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<br>symbols:     | CE ⬡ ▽ ▽                        |
| Protection rating:             | IP 20                           |
| Installed diameter:            | 68 mm                           |
| Supply lead:                   | 1800 mm                         |
| Plug connection:               | LED mini<br>M1 plug connection  |
| Connection to:                 | LED ballast                     |



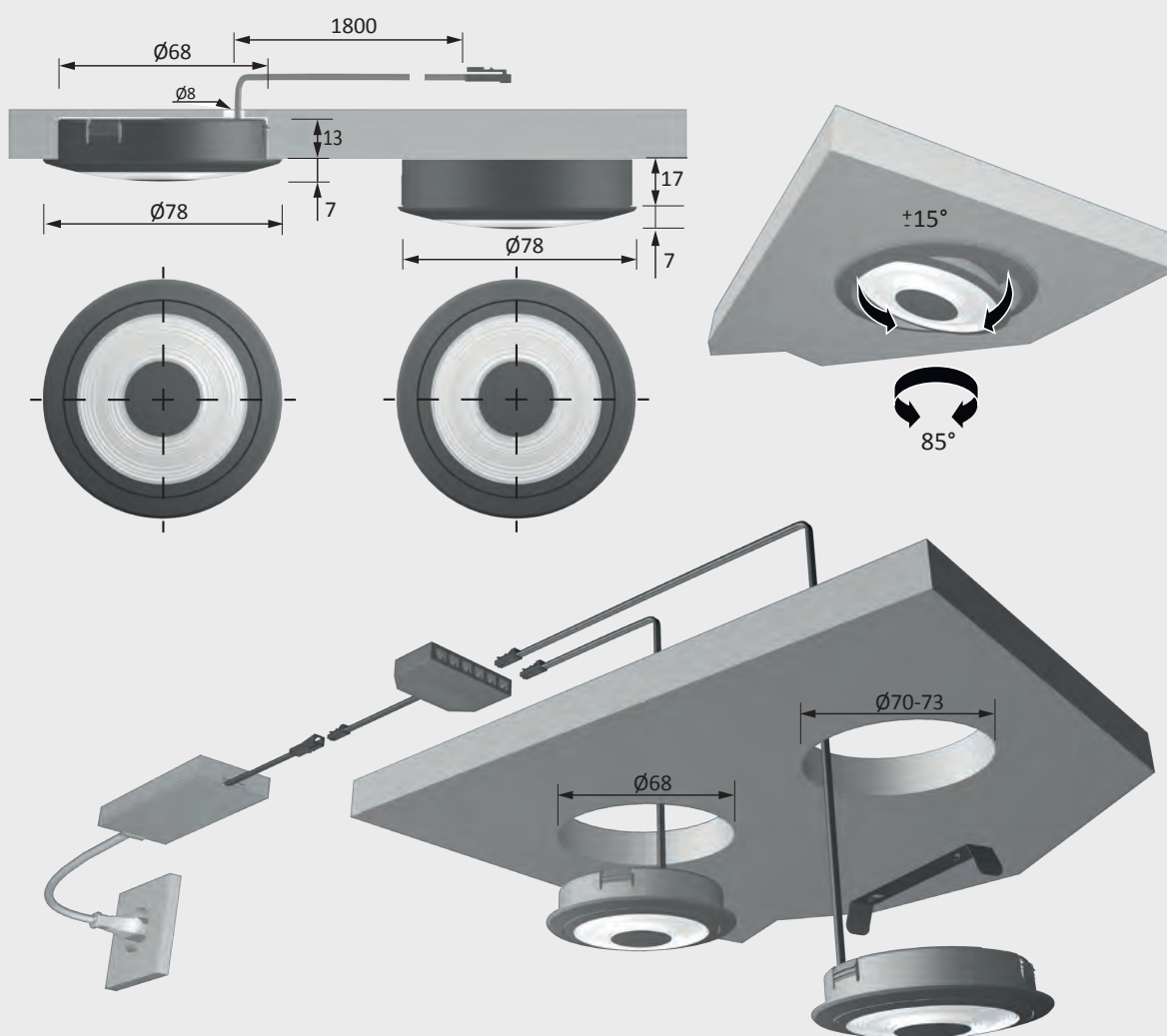
Light distribution diagram / 60°



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

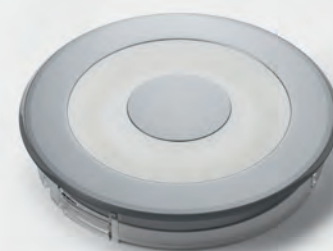
### Examples of use

- 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.<br>Warm white | Order no.<br>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

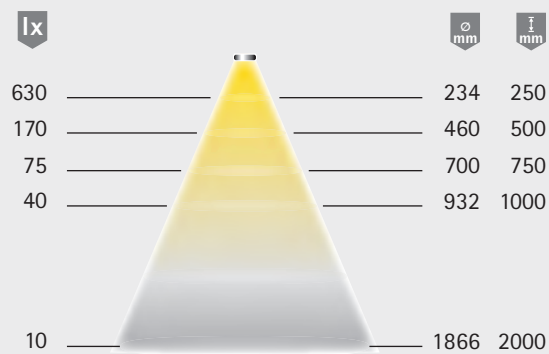
Colour rendering index CRI: > 90  
Energy efficiency: A

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



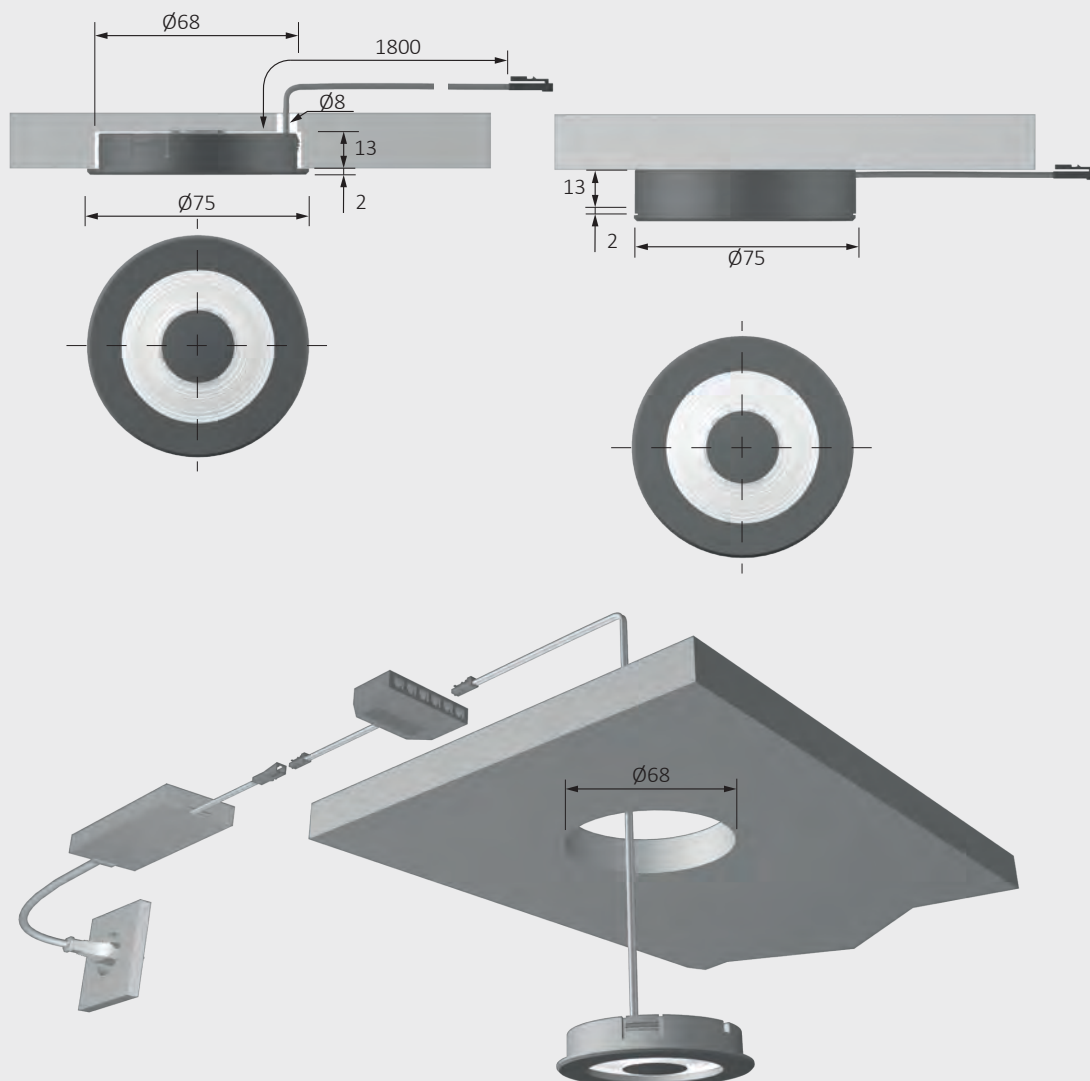
Light distribution diagram / 60°



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

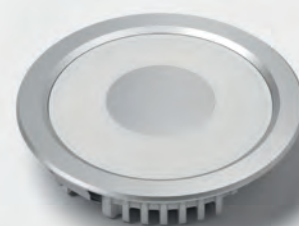
### Examples of use

- 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

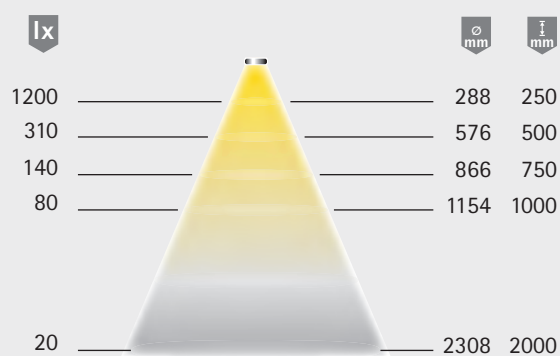
| Article        | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------|-------------------------|----------------------------|
| Aluminium look | 32 151 16               | 32 151 06                  |

### 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 |



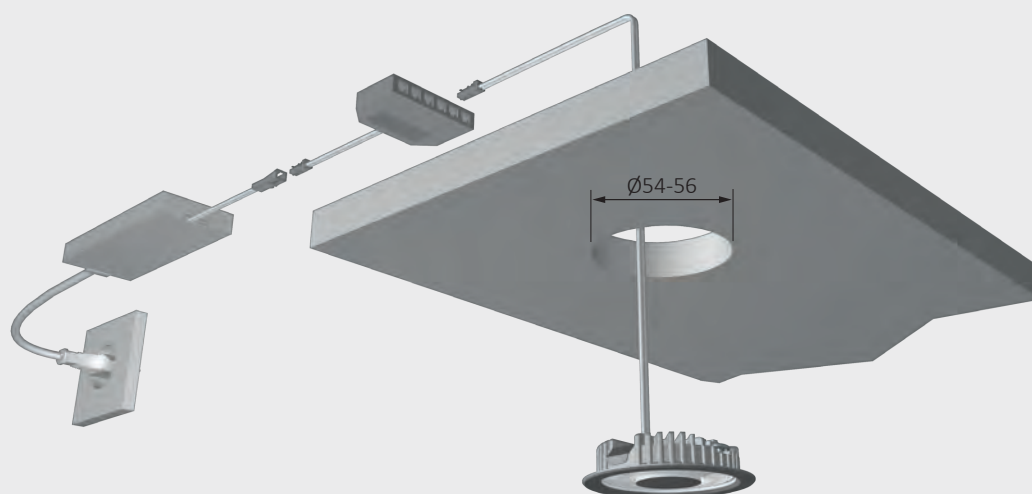
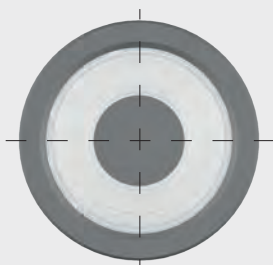
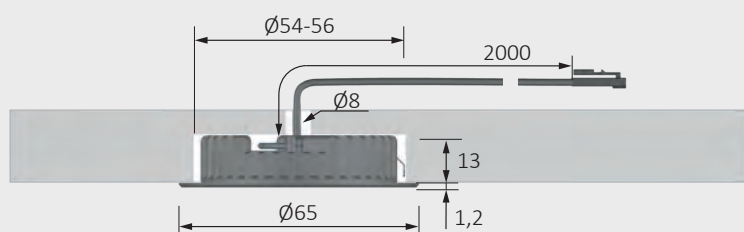
Light distribution diagram / 60°



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.<br>MultiWhite* | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|--------------------------|-------------------------|----------------------------|
| Stainless steel look | 32 063 31*               | 32 063 19               | 32 063 09                  |

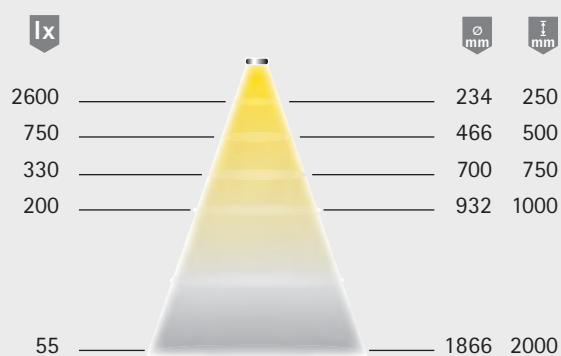
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

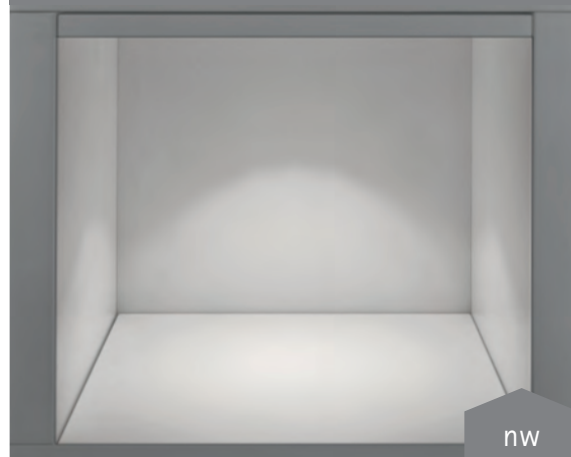
\* for MultiWhite accessories, see chapter "Switch systems"



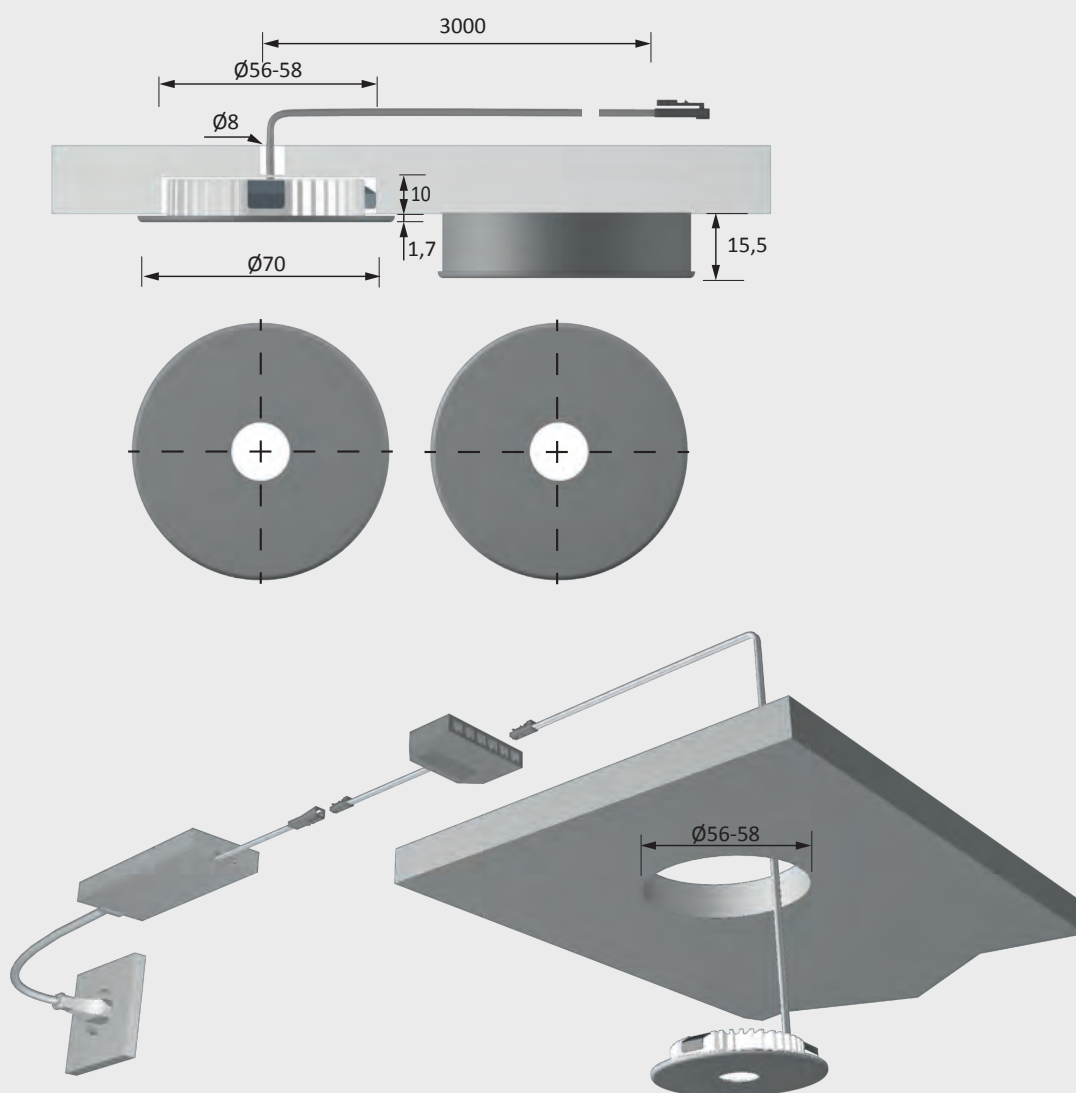
Light distribution diagram / 50°



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, triangle |
| 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.<br>MultiWhite* | Order no.<br>Warm white | Order no.<br>Neutral white |
|------------------|--------------------------|-------------------------|----------------------------|
| Individual light | 32 066 31*               | 32 150 11               | 32 150 01                  |

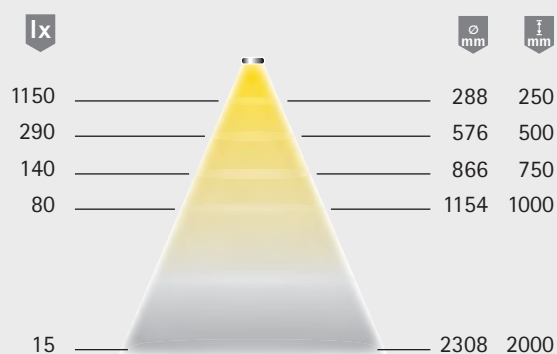
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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"



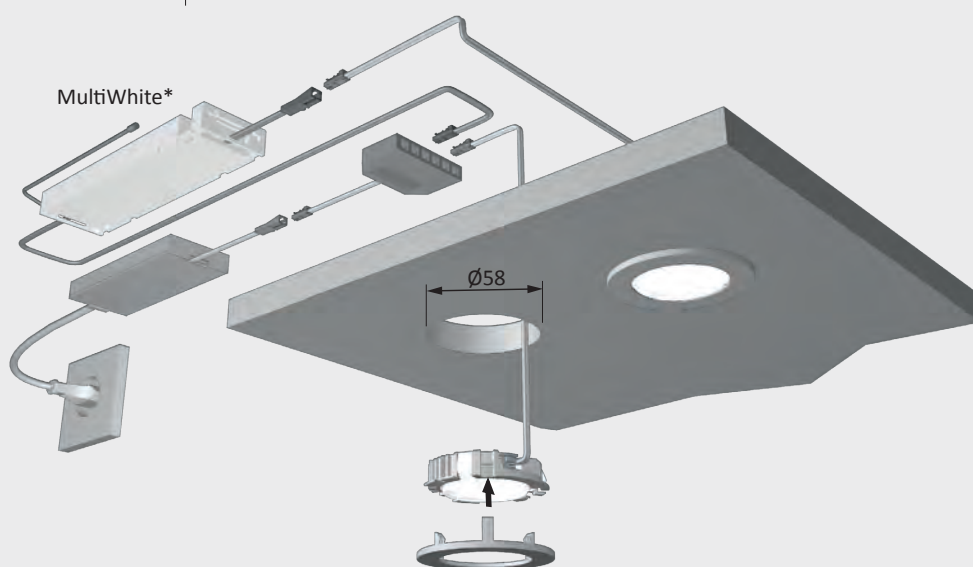
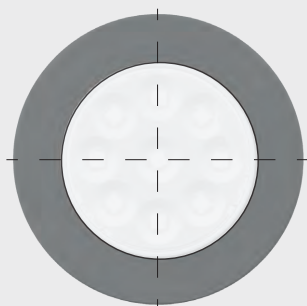
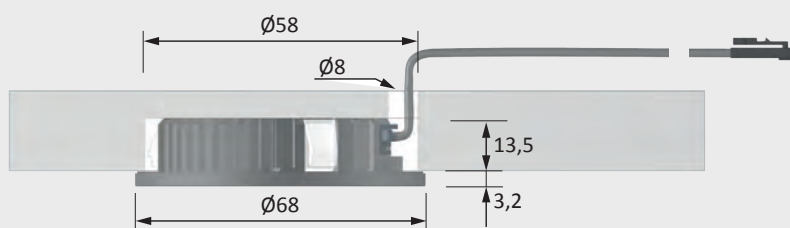
Light distribution diagram / 60°



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

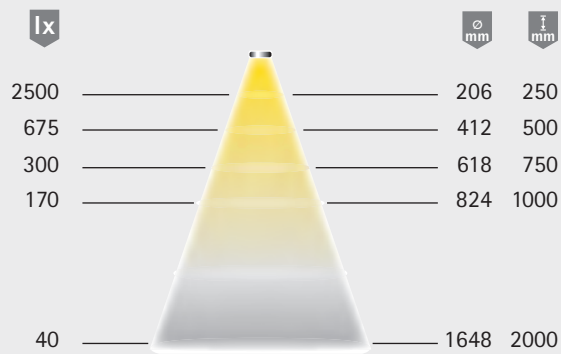
| Article        | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------|-------------------------|----------------------------|
| Aluminium look | 32 977 16               | 32 977 06                  |

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

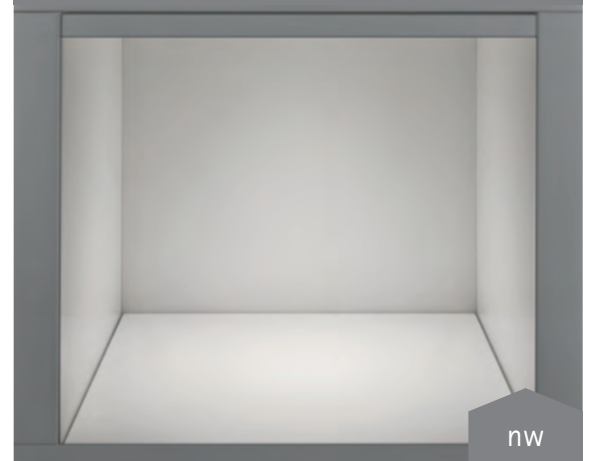
| Article                              | Order no. |
|--------------------------------------|-----------|
| Surface-mounted housing              | 36 151 06 |
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm      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



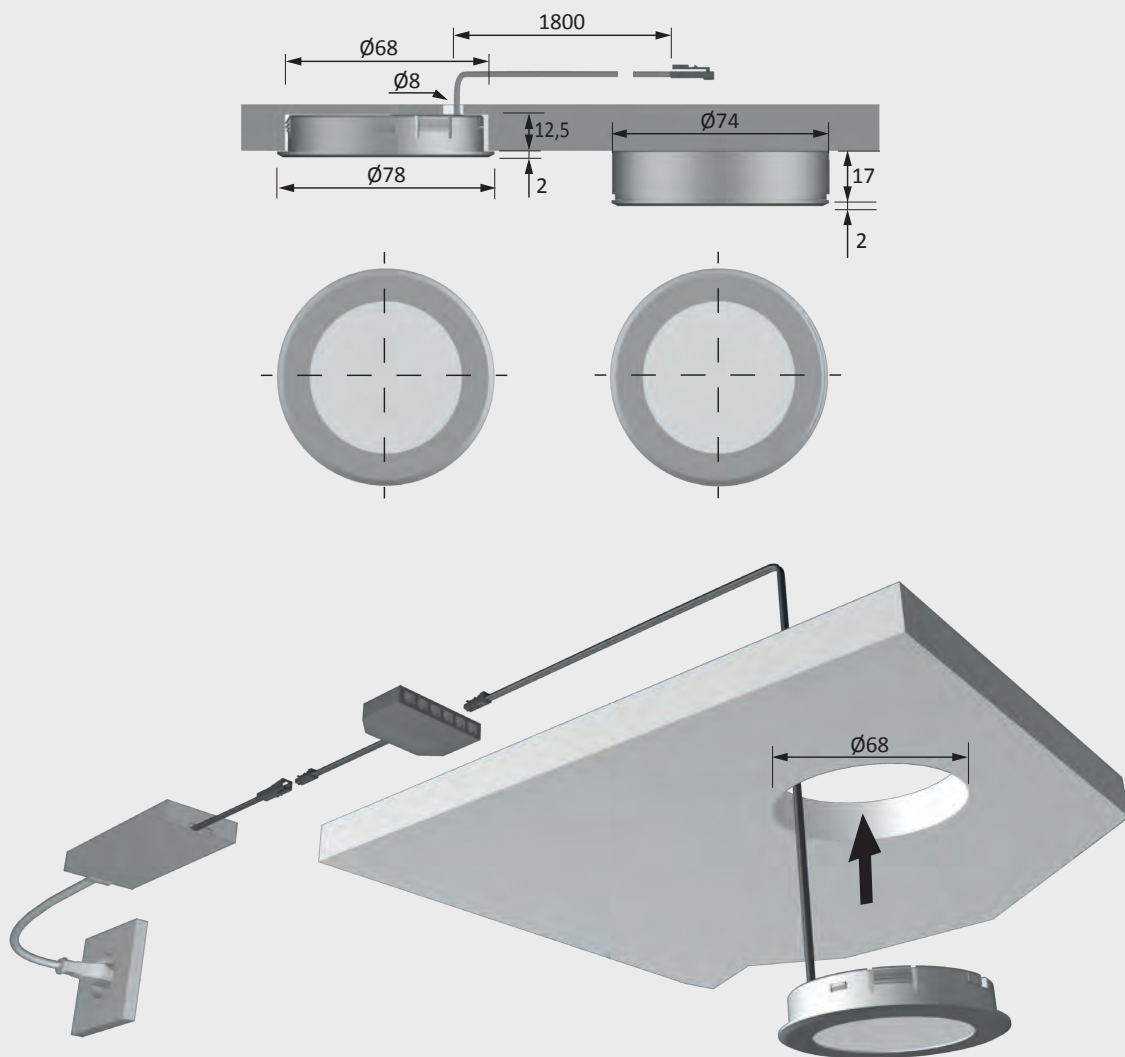
## Light distribution diagram / 45°



## 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+<br>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<br>M1 plug connection |
| Connection to:              | LED ballast                    |

### Sign Plus square

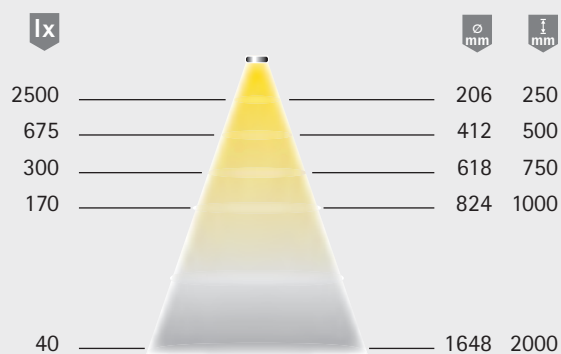
| Article        | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------|-------------------------|----------------------------|
| Aluminium look | 32 978 16               | 32 978 06                  |

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

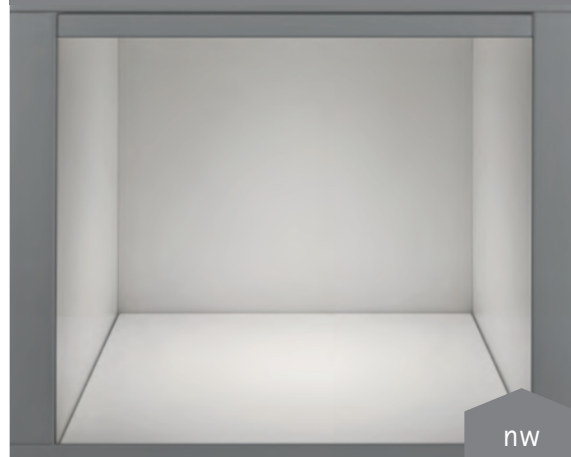
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



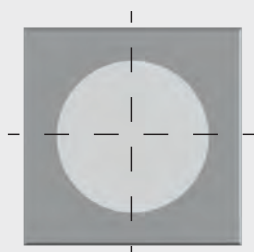
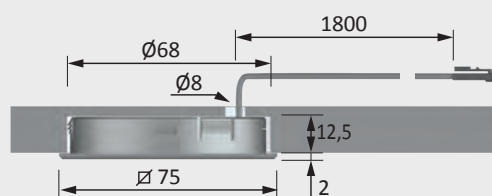
## Light distribution diagram / 45°



## Light box



## Dimensional drawing / installation







## EcoPower L

### Advantages

- ▶ Entry-level recessed spotlight
- ▶ Compact light

### Features

- ▶ Recessed light with 68 mm installed diameter

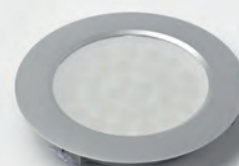
### Examples of use

- ▶ 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

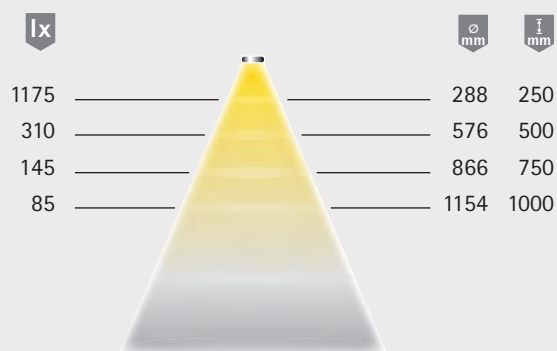
| Article              | Order no.<br>MultiWhite* | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|--------------------------|-------------------------|----------------------------|
| Aluminium look       | 32 144 36*               | 32 144 16               | 32 144 06                  |
| 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 |



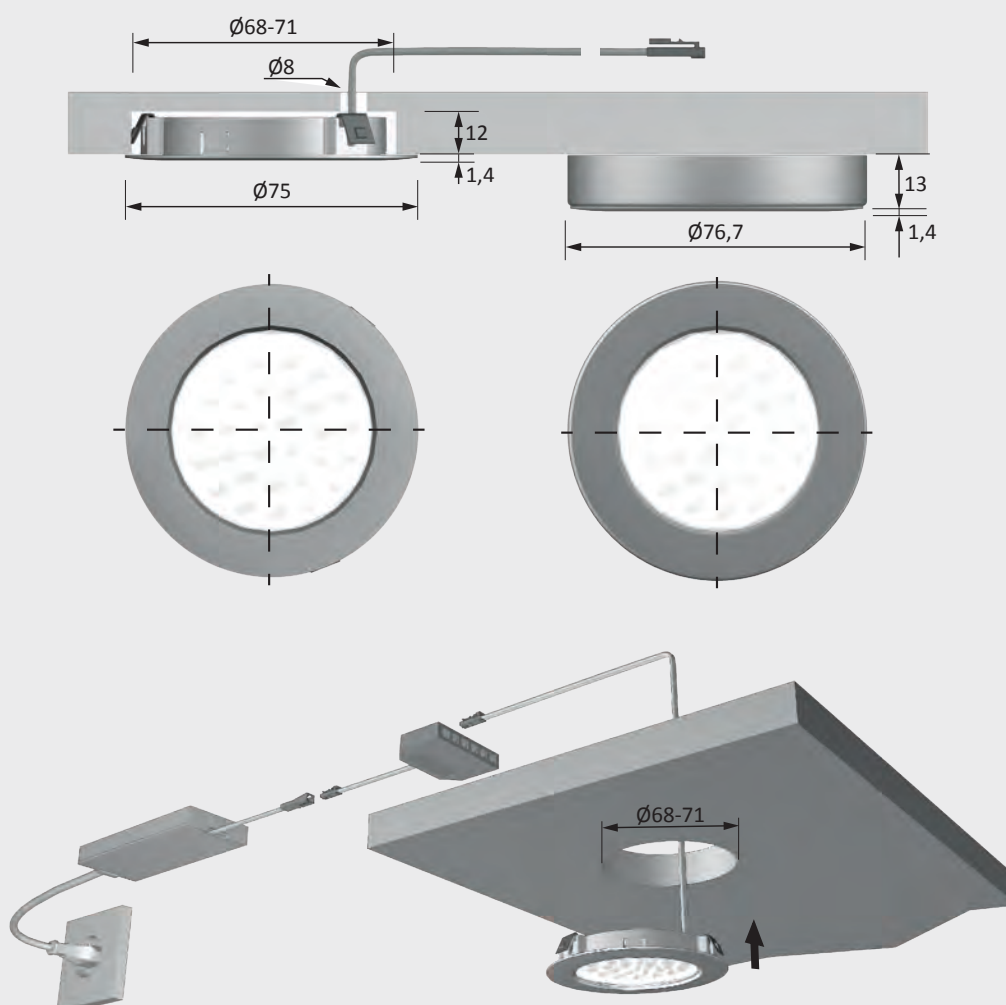
Light distribution diagram / 60°



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: 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++  
88 lm/W  
Life span: 30,000 h (L70)  
Power consumption: 1.7 W  
Dimmable: Yes  
Beam angle: 60°

Test marks and symbols:     
Protection rating: IP 44  
Installed diameter: 58 – 61 mm  
Supply lead: 2000 mm  
Plug connection: LED mini  
M1 plug connection  
Connection to: LED ballast

### EcoPower Flood

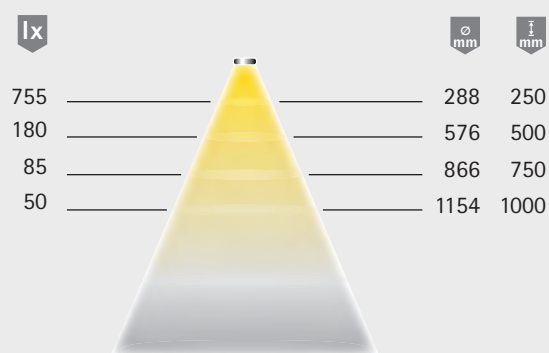
| Article              | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|-------------------------|----------------------------|
| Aluminium look       | 32 341 16               | 32 341 06                  |
| Stainless steel look | 32 341 19               | 32 341 09                  |

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

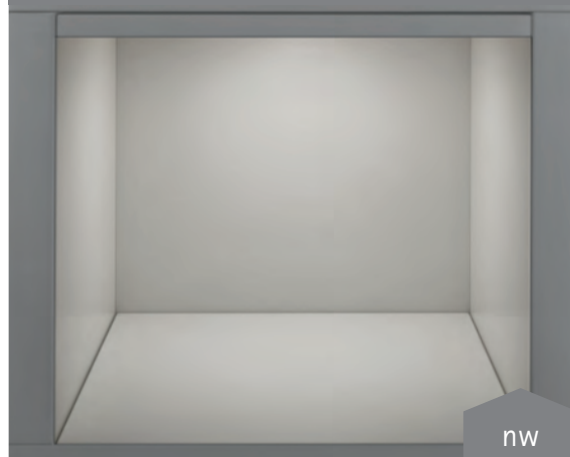
| Article   | Order no. |
|---|-----------|
| Surface-mounted housing in aluminium look       | 36 240 06 |
| Surface-mounted housing in stainless steel look | 36 240 09 |
| LED ballast 20 W with flat Euro plug            | 31 016 01 |
| M1 extension lead 1800 mm                       | 36 768 01 |
|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



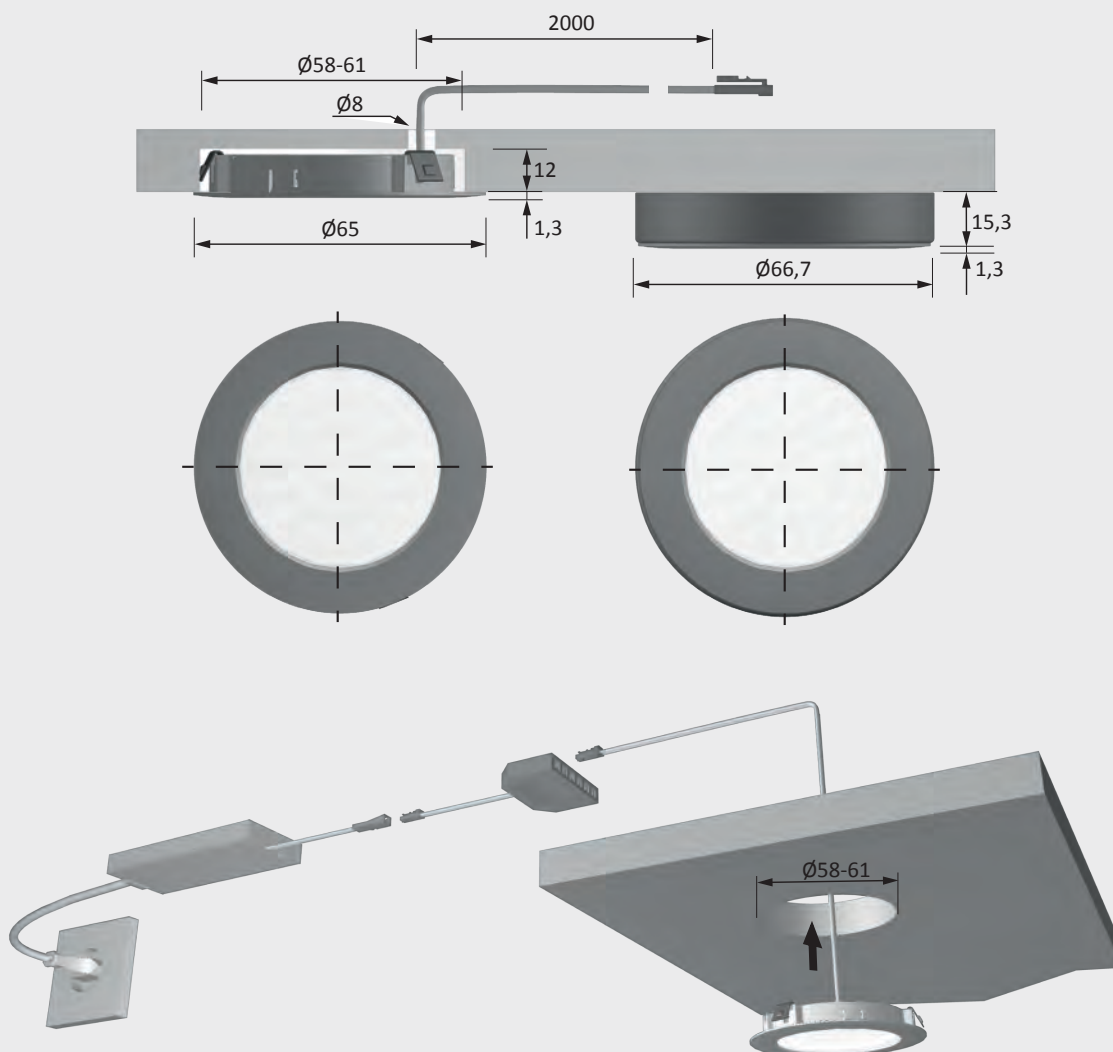
Light distribution diagram / 60°



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

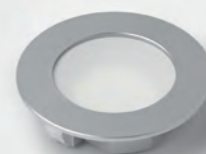
### Examples of use

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

## Eco Spot

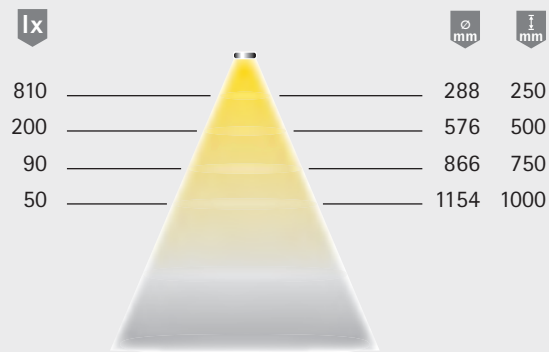
| Article                                 | Order no.<br>Warm white | Order no.<br>Neutral white |
|---|-------------------------|----------------------------|
| Aluminium look                          | 32 153 16               | 32 153 06                  |
| Aluminium look (10 units per set)       | 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")

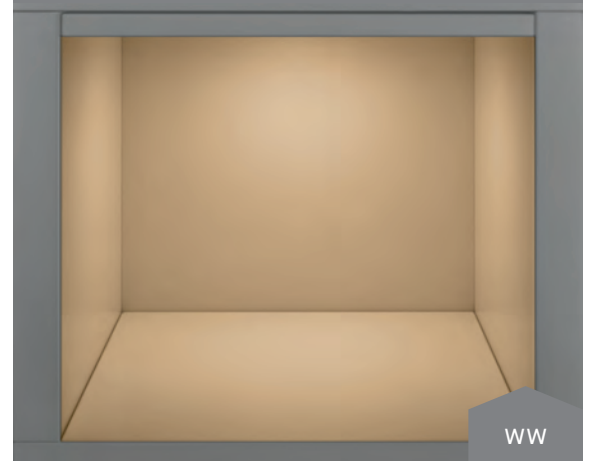
| Article   | Order no. |
|---|-----------|
| Surface-mounted housing in aluminium look       | 36 244 06 |
| Surface-mounted housing in stainless steel look | 36 244 09 |
| LED ballast 20 W with flat Euro plug            | 31 016 01 |
| M1 extension lead 1800 mm                       | 36 768 01 |
|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



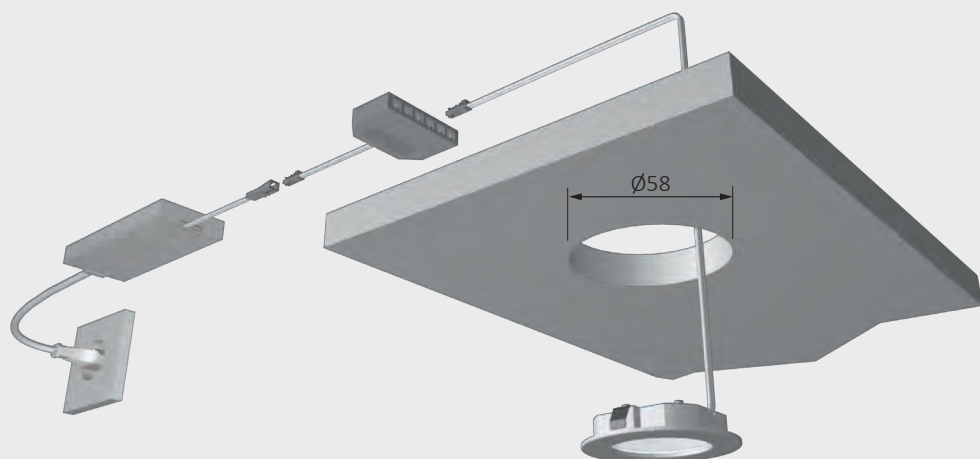
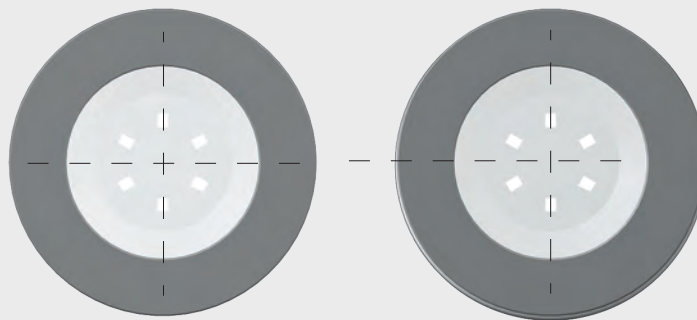
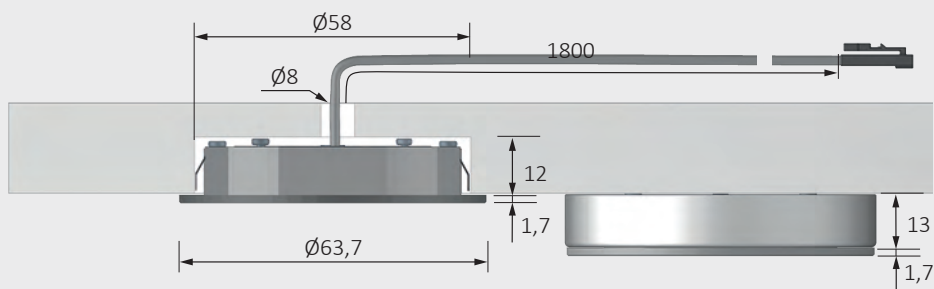
Light distribution diagram / 60°



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 /<br>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<br>M1 plug connection  |
| Connection to:              | LED ballast                     |

### Point

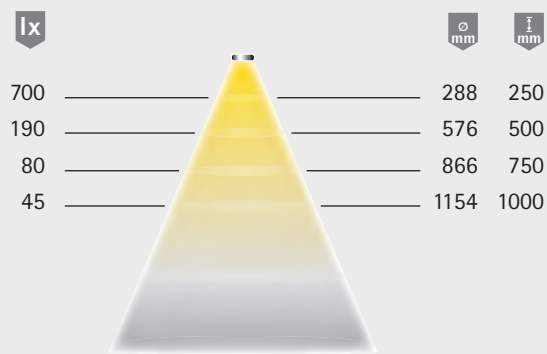
| Article        | Order no. |
|----------------|-----------|
| Aluminium look | 32 962 17 |

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

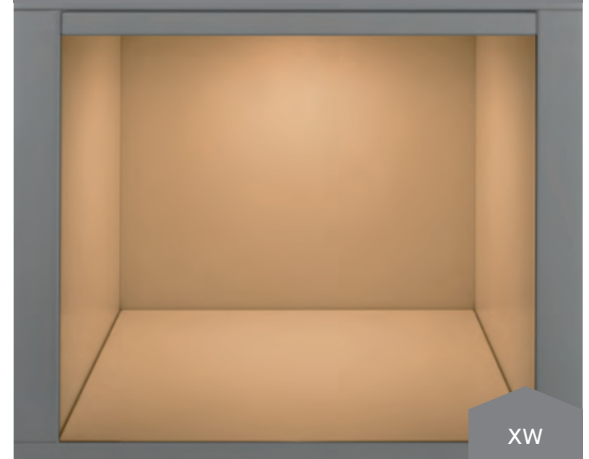
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



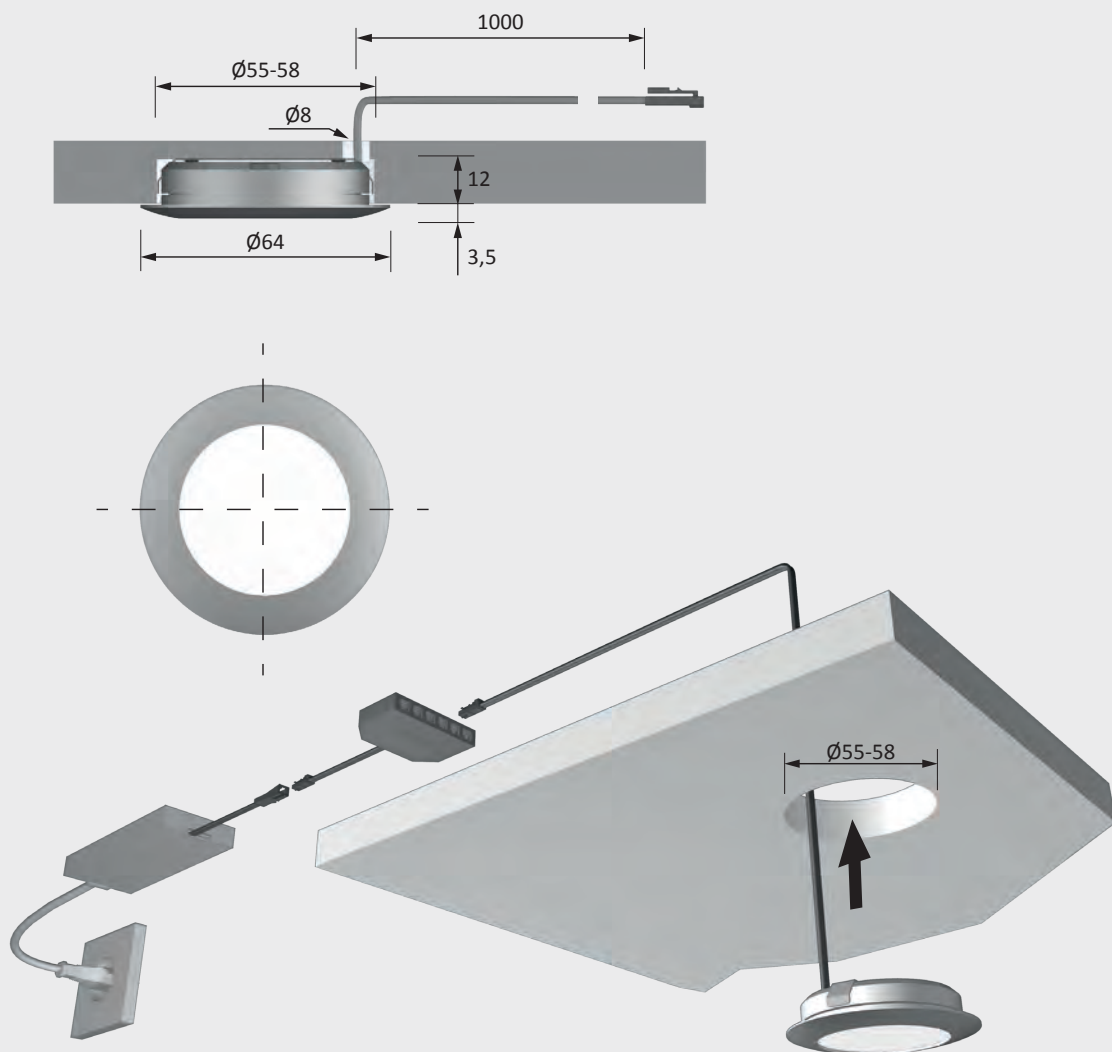
## Light distribution diagram / 60°



## 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++<br>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<br>M1 plug connection   |
| Connection to:              | LED ballast                      |

### PowerSquare

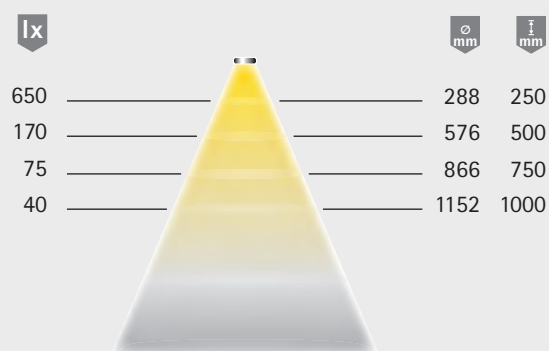
| Article              | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|-------------------------|----------------------------|
| Stainless steel look | 34 203 17               | 34 203 07                  |
| Aluminium            | 34 203 16               | 34 203 06                  |

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

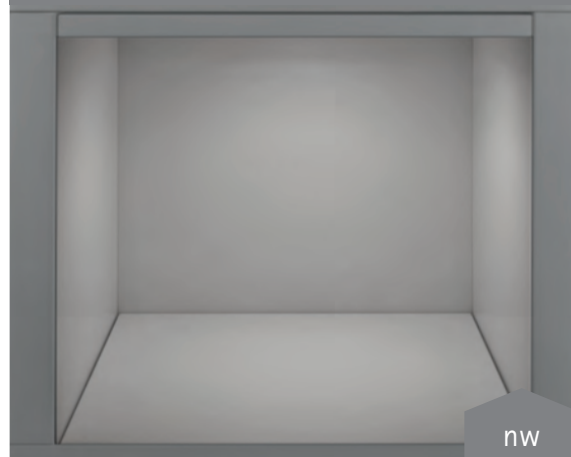
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



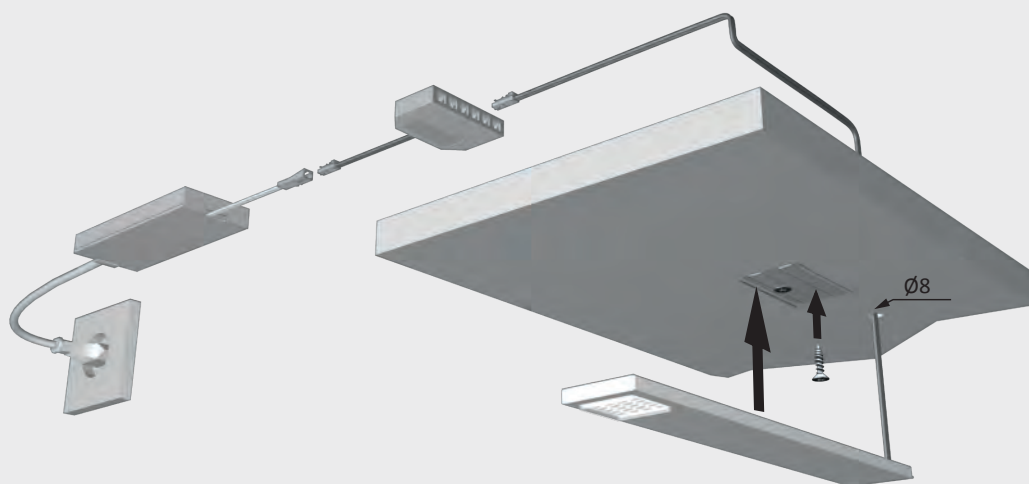
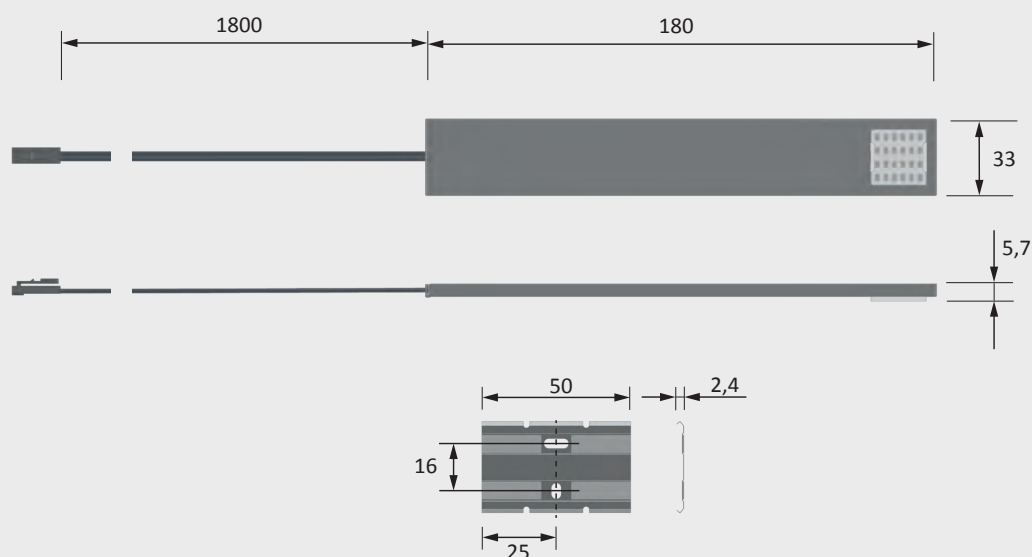
## Light distribution diagram / 60°



## 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

### 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++<br>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<br>M1 plug connection   |
| Connection to:              | LED ballast                      |

### PowerSquare long

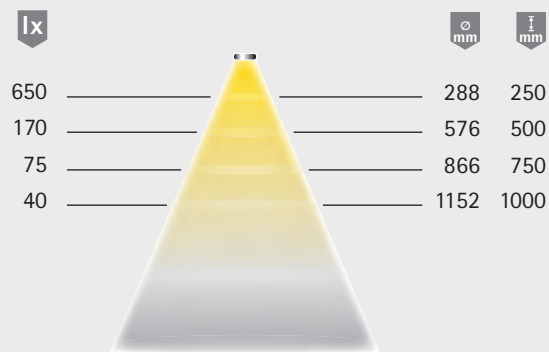
| Article              | Length / power      | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------------|---------------------|-------------------------|----------------------------|
| Stainless steel look | 600 mm - 2 x 1.8 W  | 34 204 17               | 34 204 07                  |
| 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")

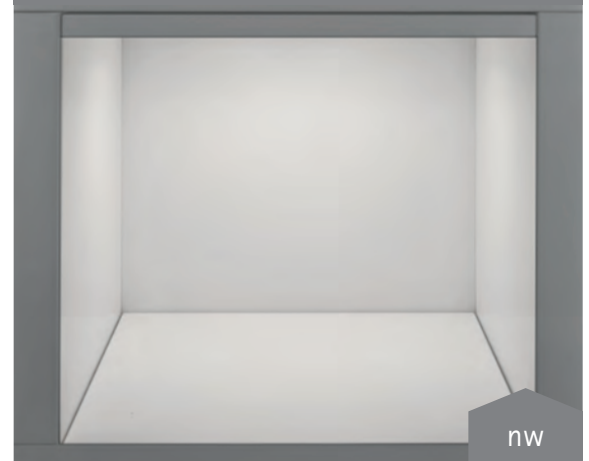
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



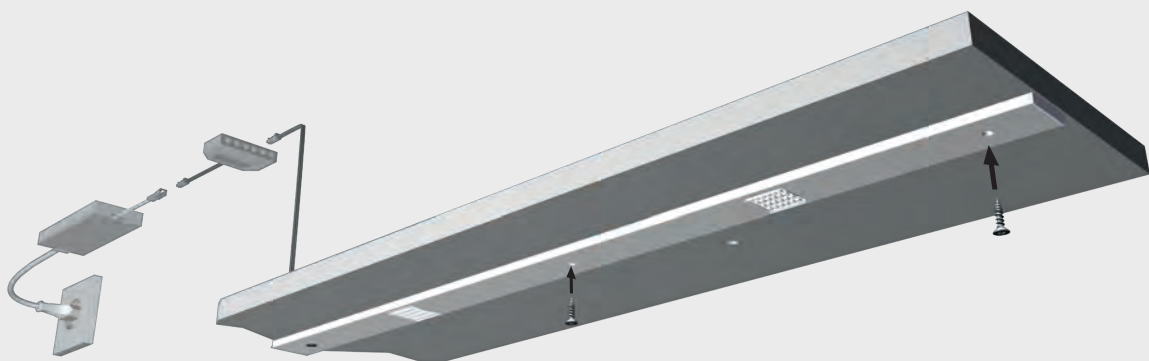
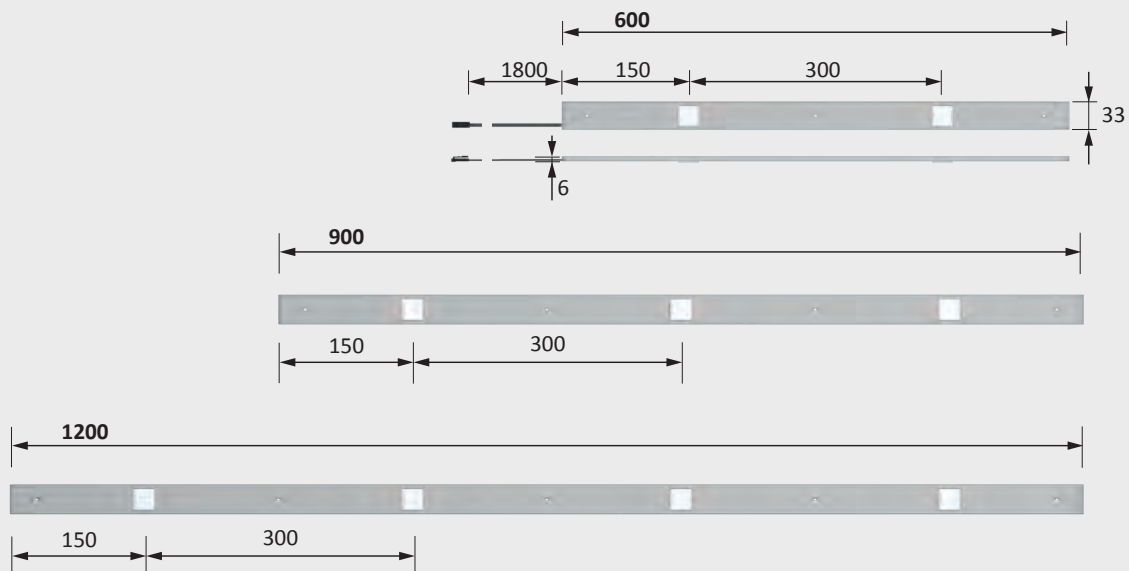
## Light distribution diagram / 60° (per light module)



## Light box



## Dimensional drawing / installation







## StarPoint

### Advantages

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

### Features

- ▶ Recessed light for 29–32 mm

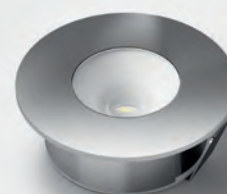
### Examples of use

- ▶ 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 /<br>accent lighting |
| Surface finish:                | Chrome                          |
| Operating voltage:             | 12 V DC                         |
| Light colour:                  | Warm white /<br>neutral white   |
| Colour rendering<br>index CRI: | > 80                            |
| Energy efficiency:             | A++<br>78 lm/W                  |
| Life span:                     | 30,000 h (L70)                  |
| Power consumption:             | 1.2 W                           |
| Dimmable:                      | Yes                             |
| Beam angle:                    | 50°                             |
| Test marks and<br>symbols:     | CE ⬡ ▽ ▽                        |
| Protection rating:             | IP 20                           |
| Installed diameter:            | 29–32 mm                        |
| Supply lead:                   | 1800 mm                         |
| Plug connection:               | LED mini<br>M1 plug connection  |
| Connection to:                 | LED ballast                     |

### StarPoint

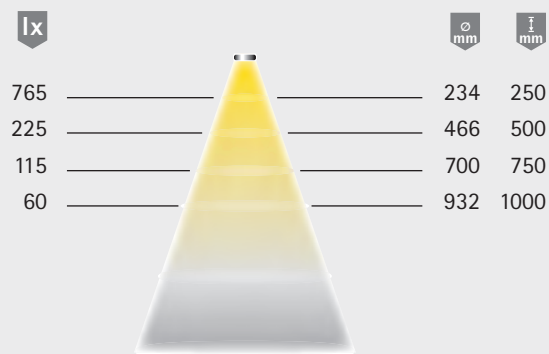
| Article | Order no.<br>Warm white | Order no.<br>Neutral white |
|---------|-------------------------|----------------------------|
| Chrome  | 32 146 13               | 32 146 03                  |

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

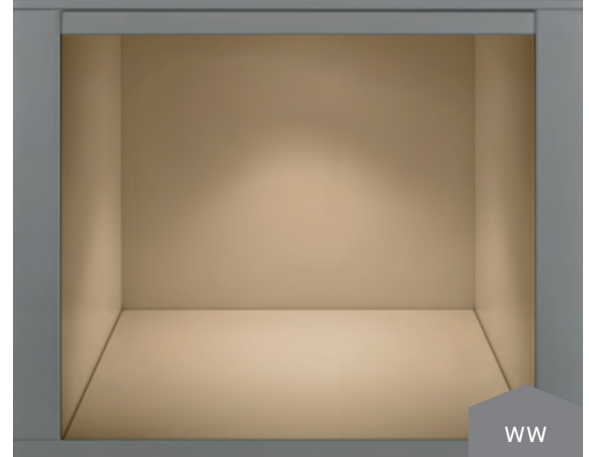
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



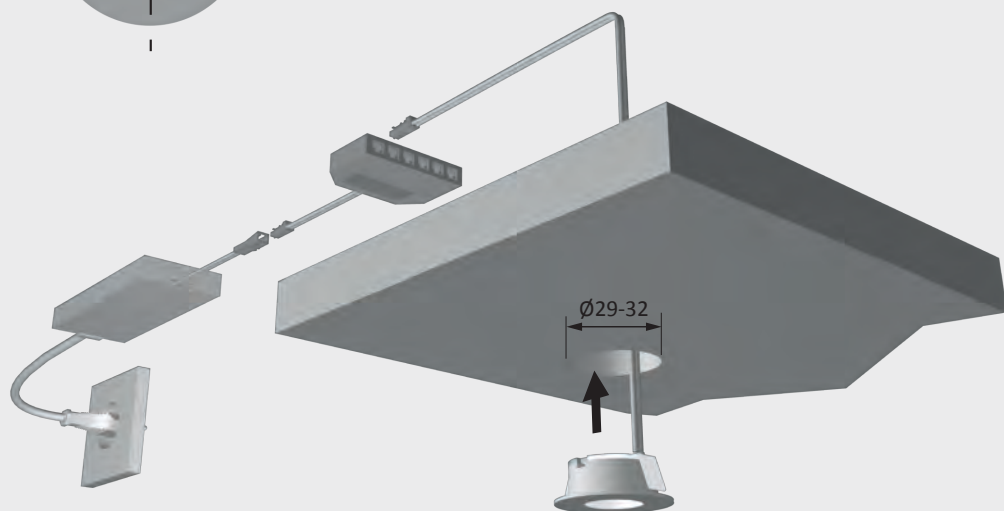
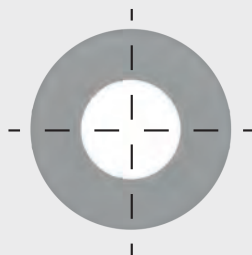
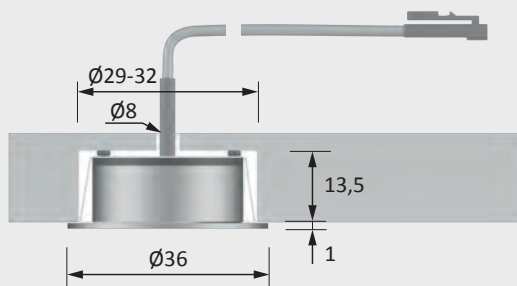
## Light distribution diagram / 50°



## 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

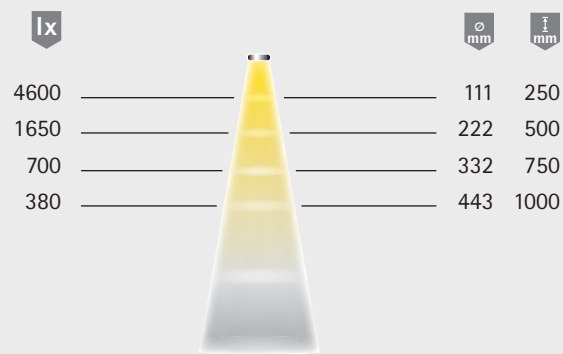
| Article        | Order no.<br>Warm white | Order no.<br>Neutral white |
|----------------|-------------------------|----------------------------|
| Aluminium look | 32 149 16               | 32 149 06                  |

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

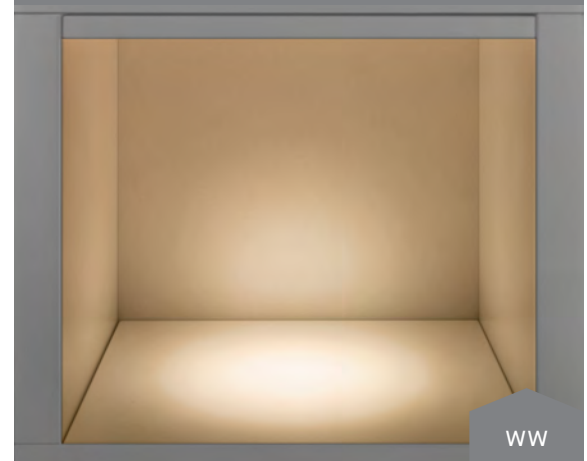
| Article                              | Order no. |
|--------------------------------------|-----------|
| LED ballast 20 W with flat Euro plug | 31 016 01 |
| M1 extension lead 1800 mm            | 36 768 01 |
| M1 3-way distributor 180 mm          | 36 852 01 |
| M1 6-way distributor 2000 mm     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



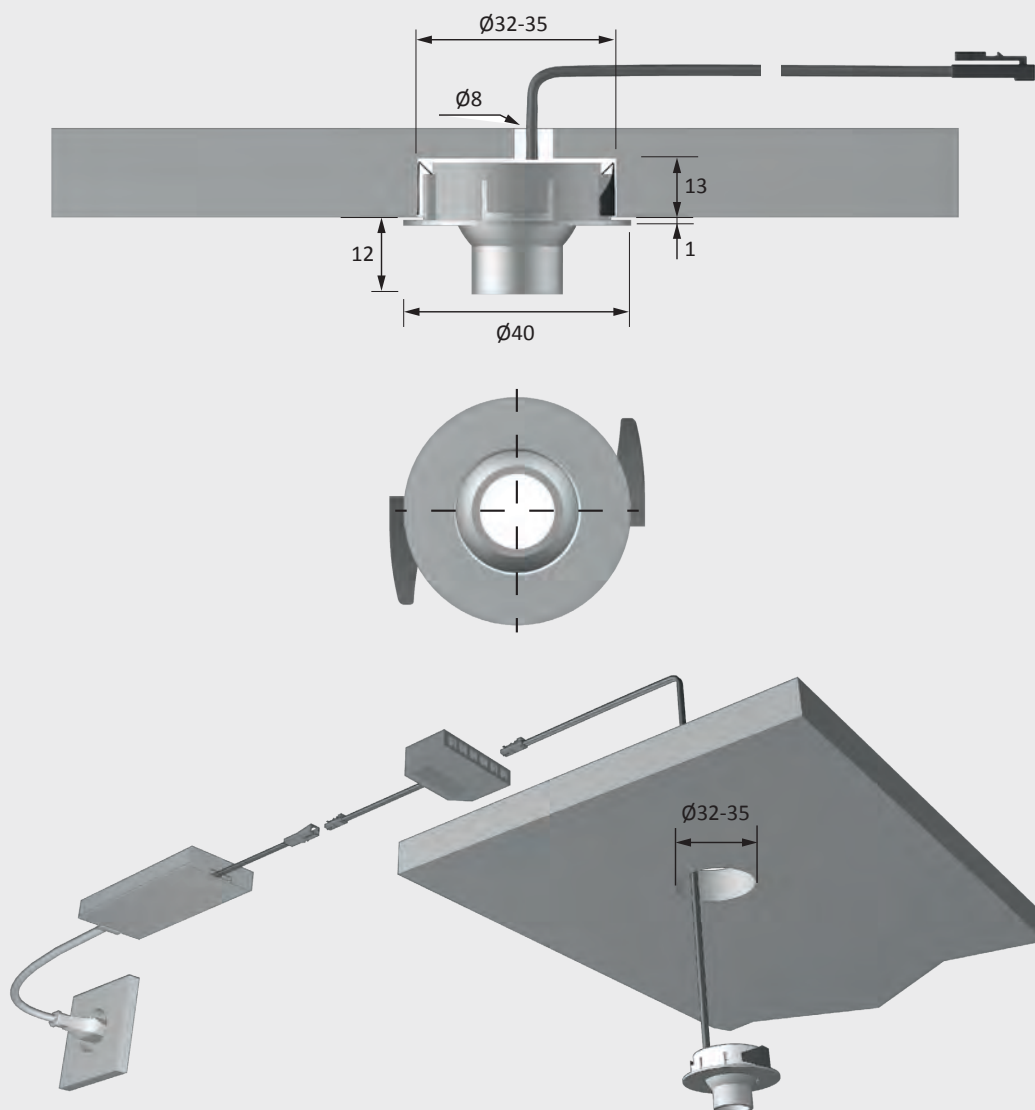
Light distribution diagram / 25°



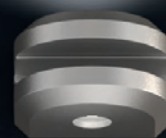
Light box



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.<br>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                  |

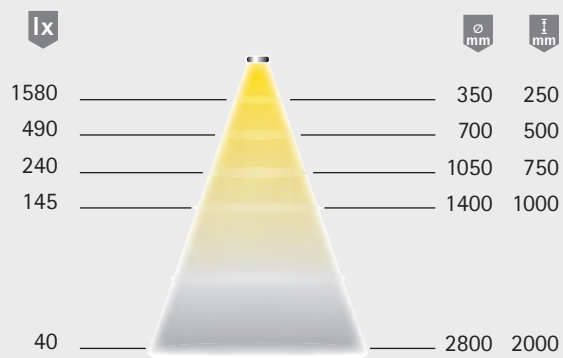
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

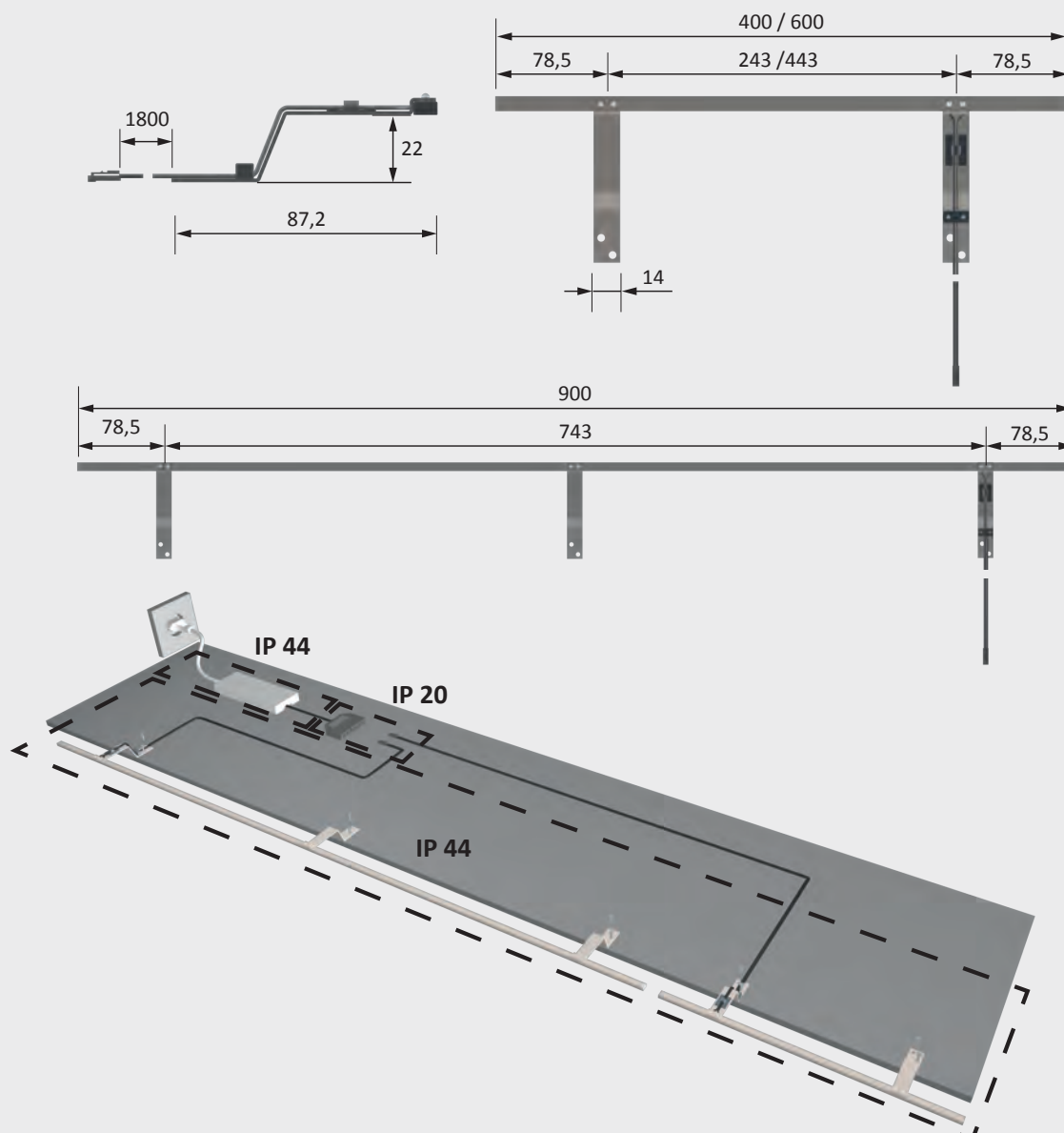
|                             |                                 |
|-----------------------------|---------------------------------|
| Lamp type:                  | LED surface-mounted light       |
| Type of lighting:           | Functional lighting             |
| Surface finish:             | Aluminium 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

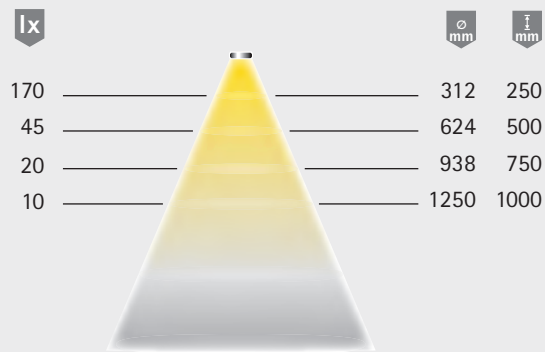
| Article        | Order no.<br>Warm white |
|----------------|-------------------------|
| Aluminium look | 34 149 01               |

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

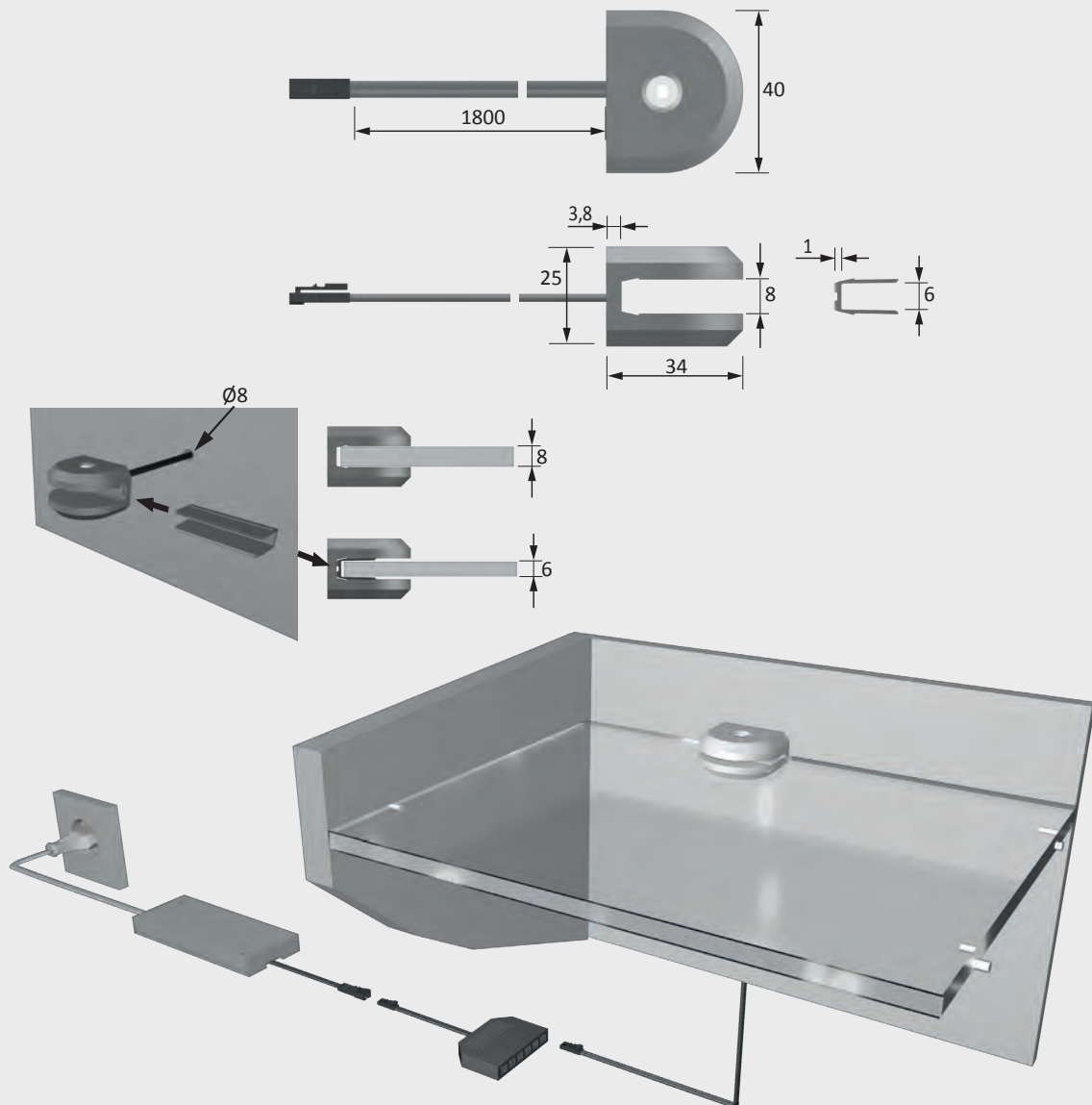
| Article                             | Order no. |
|-------------------------------------|-----------|
| LED ballast 6 W with flat Euro plug | 30 226 02 |
| M1 extension lead 1800 mm           | 36 768 01 |
| M1 3-way distributor 180 mm         | 36 852 01 |
| M1 6-way distributor 2000 mm        | 36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

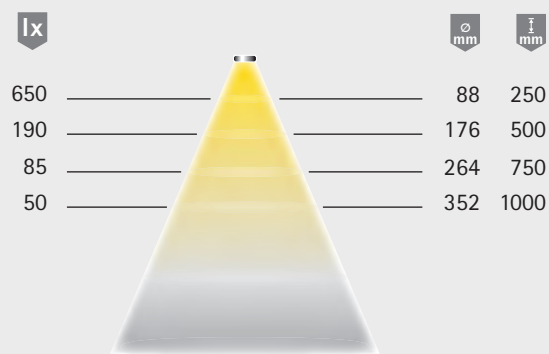
| Article        | Order no. |
|----------------|-----------|
| Aluminium look | 38 258 26 |

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

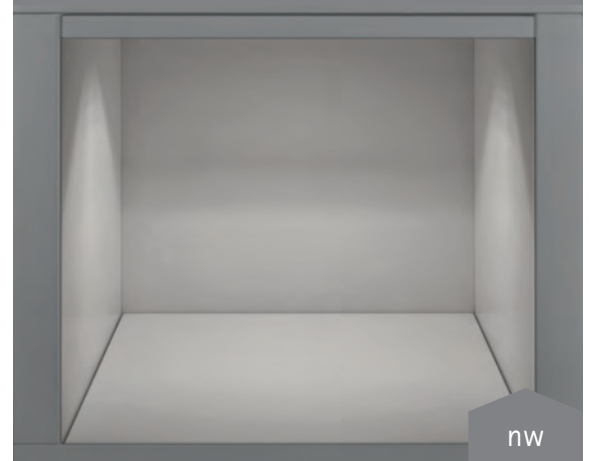
| Article          | Order no. |
|------------------|-----------|
| Mini USB charger | 30 026 01 |



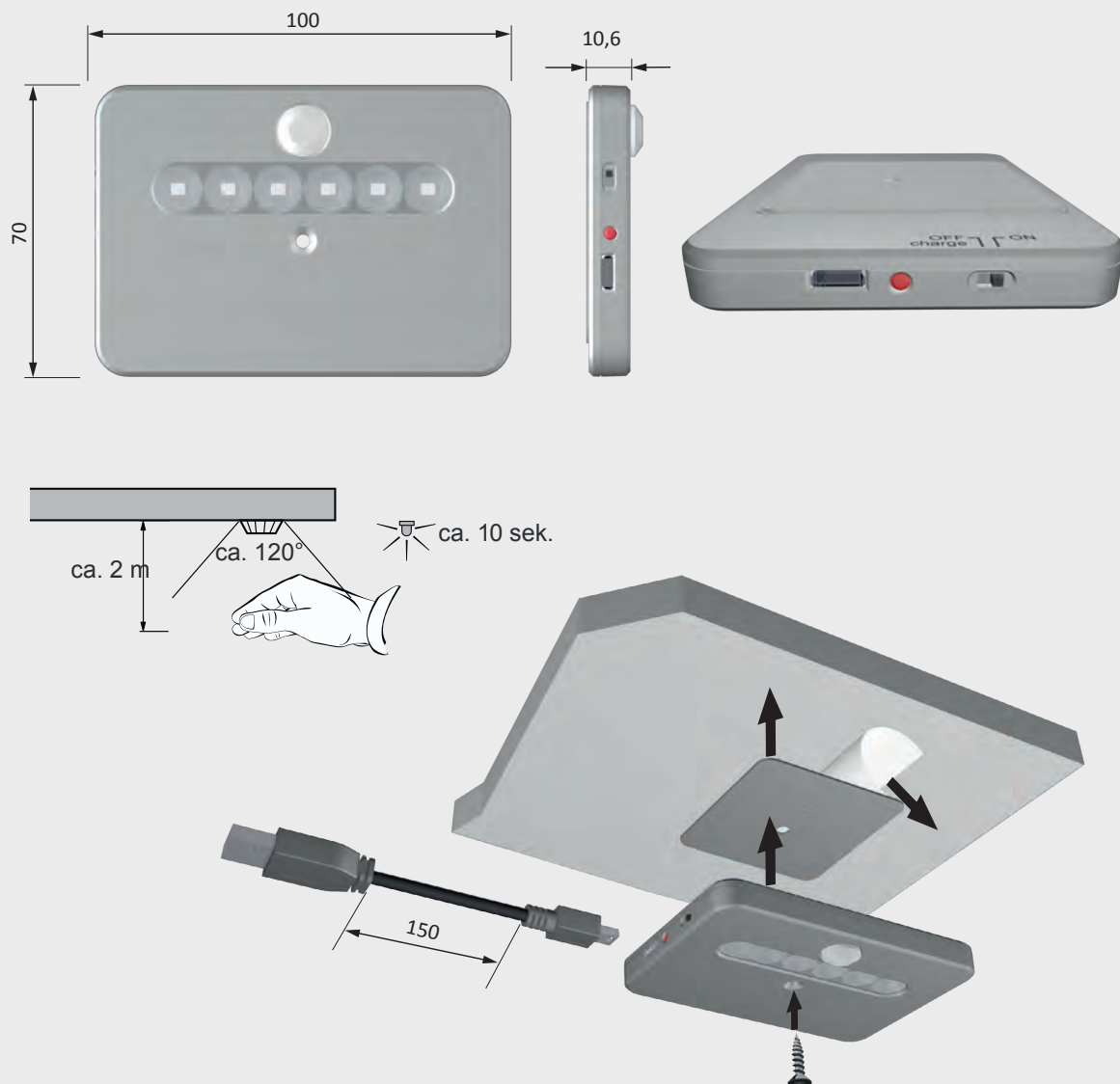
Light distribution diagram / 20°



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  |

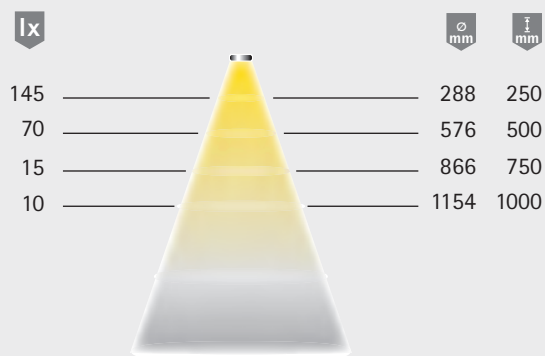
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| Article          | Order no. |
|------------------|-----------|
| Mini USB charger | 30 026 01 |

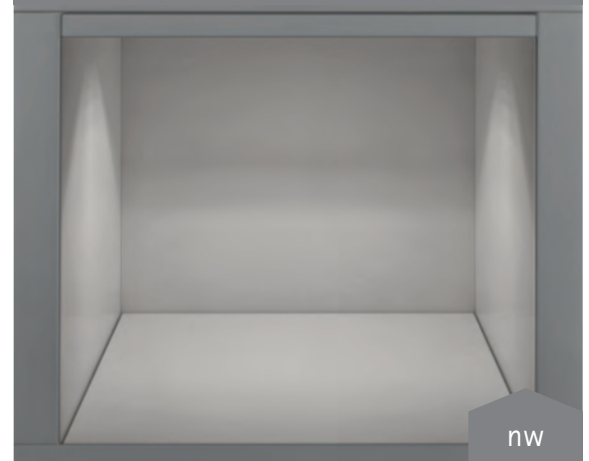
|                             |                           |
|-----------------------------|---------------------------|
| Lamp type:                  | LED surface-mounted light |
| Type of lighting:           | Accent lighting           |
| Surface finish:             | Aluminium look            |
| 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                |



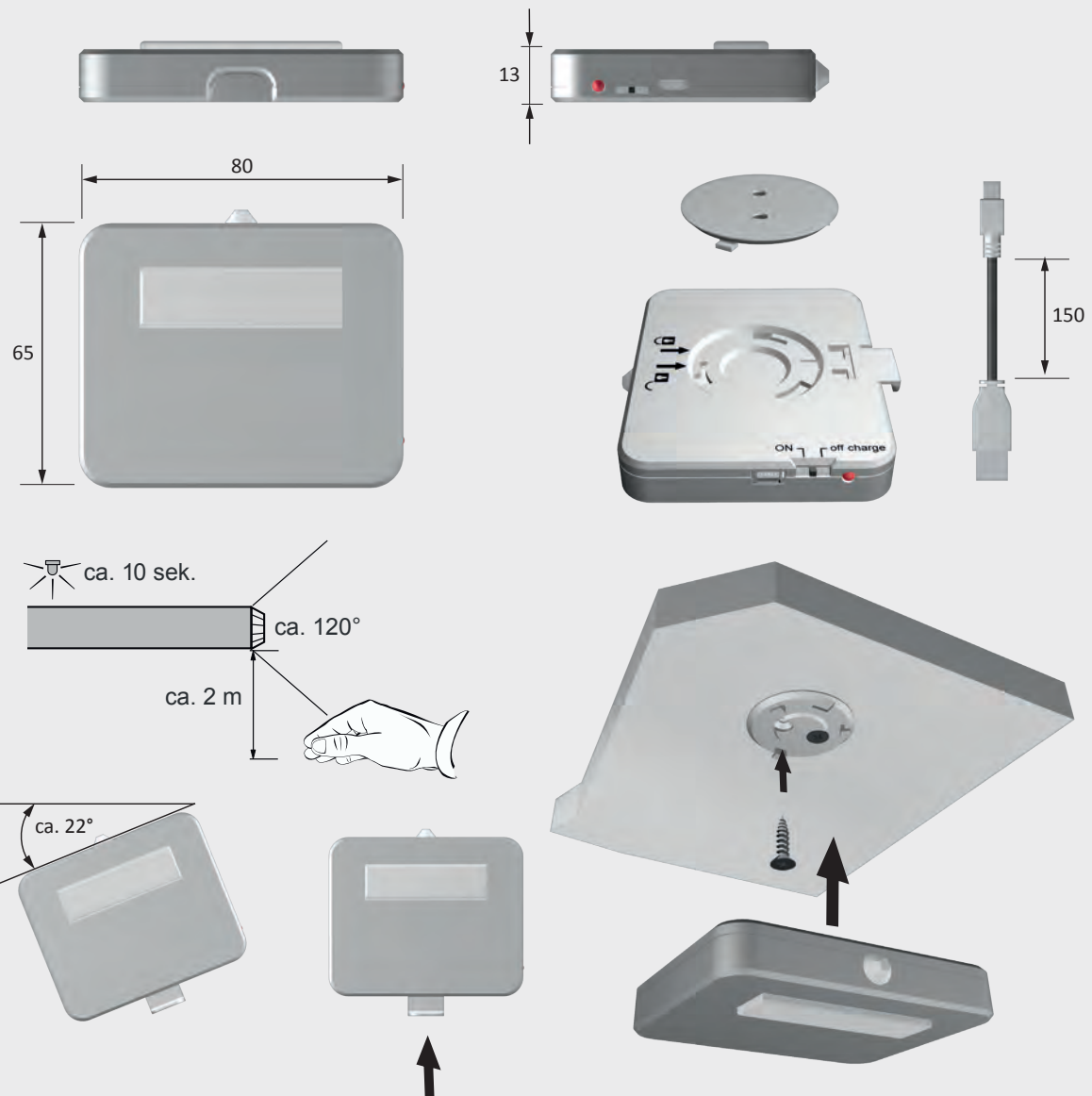
Light distribution diagram / 60°



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

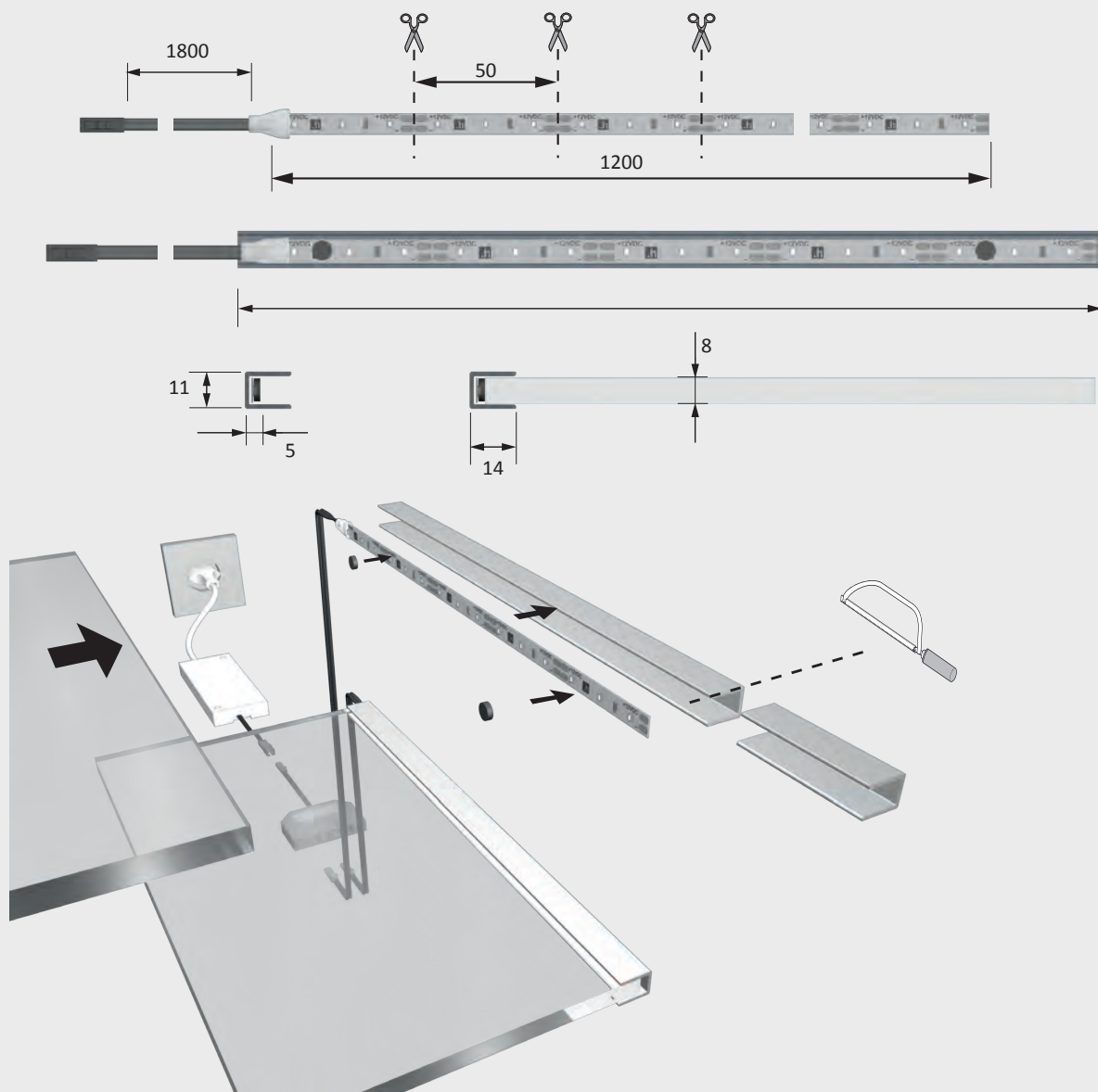
| Article   | Order no.<br>Warm white |
|---|-------------------------|
| Flexible band 1.2 m, extra warm white (Versa Inside 60) | 55 801 42               |
| Flexible band 1.2 m, warm white (Versa Inside 60)       | 55 801 12               |
| Flexible band 1.2 m, neutral white (Versa Inside 60)    | 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                       |
| Life span:                  | 45 lm / W               |
| Power consumption:          | 30,000 h (L70)          |
| Dimmable:                   | max. 5.5 W              |
| Beam angle:                 | No                      |
| Test marks and symbols:     | 60°                     |
| Protection rating:          | CE ◊ ▽ ▽                |
| Supply lead:                | IP 20                   |
| Plug connection:            | 2000 mm                 |
| Connection to:              | LED mini                |
| Motion sensor:              | M1 plug connection      |
| Detection angle:            | LED ballast             |
| Reach:                      | 60°                     |
| Stay-'ON' time:             | 2 m                     |
|                             | 40 seconds              |

### LitePipe

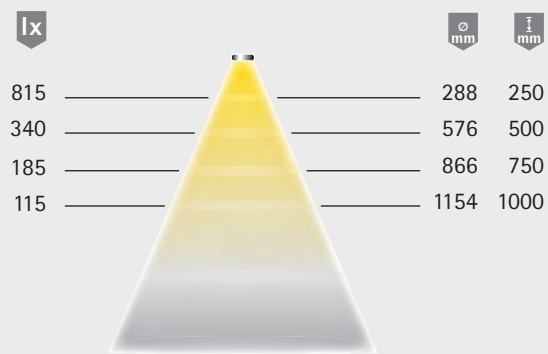
| Article             | Order no.<br>Neutral white |
|---------------------|----------------------------|
| 1000 mm - max 5.0 W | 55 152 08                  |
| 1200 mm - max 5.5 W | 55 146 08                  |

### 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°



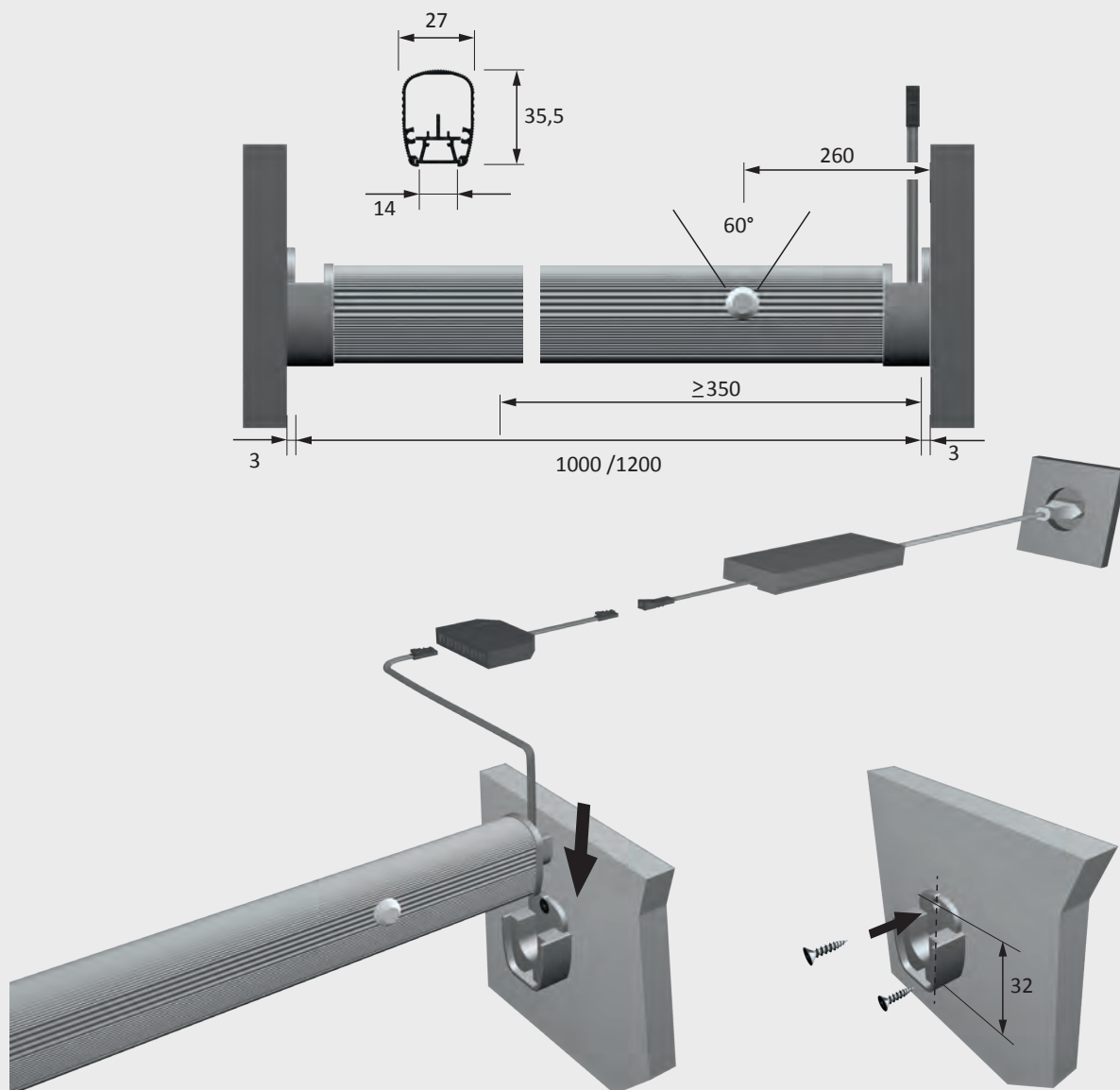
## Dimensional drawing / installation



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

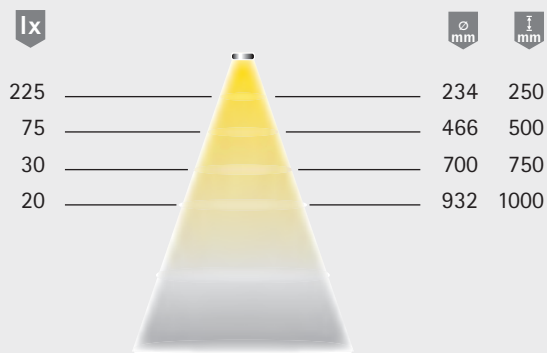
| Article                               | Power consumption | Order no.<br>Neutral white |
|---------------------------------------|-------------------|----------------------------|
| 368 - 262 mm (for cutting to size)    | Max. 2 W          | 55 112 01                  |
| 468 - 412 mm (for cutting 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")

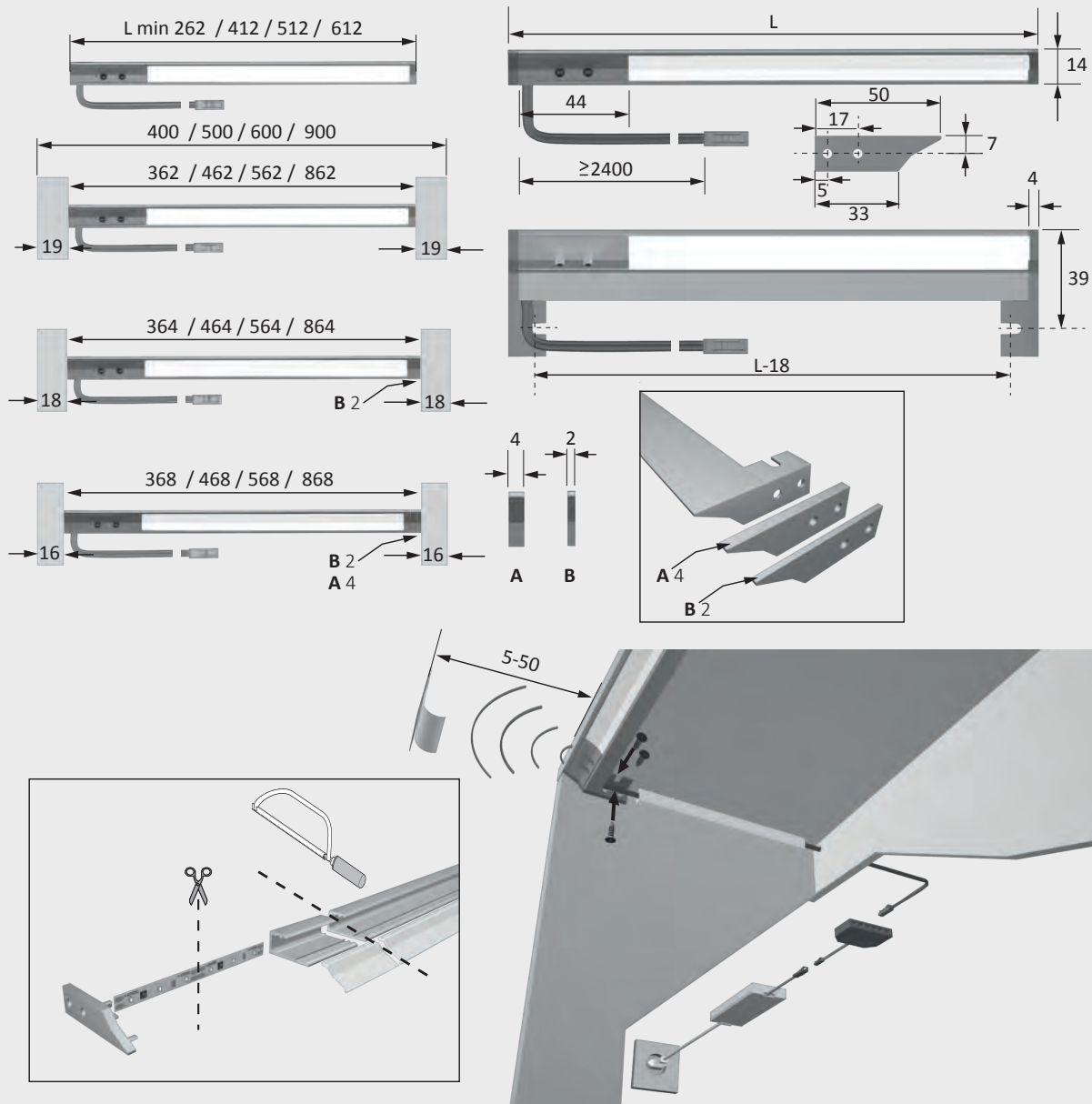
| Article                                   | Order no. |
|---|-----------|
| Cable duct, self-adhesive, 1000 mm, white | 36 238 01 |
| LED ballast 20 W with flat Euro plug      | 31 016 01 |
| M1 extension lead 1800 mm                 | 36 768 01 |
| M1 3-way distributor 180 mm               | 36 852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



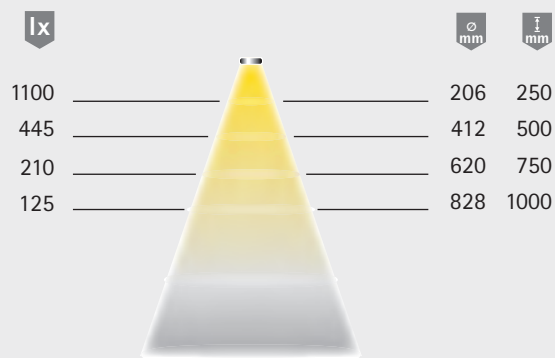
|                             |                             |
|-----------------------------|-----------------------------|
| Lamp type:                  | LED surface-mounted light   |
| Type of lighting:           | Orientation lighting        |
| Surface finish:             | Aluminium look              |
| 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

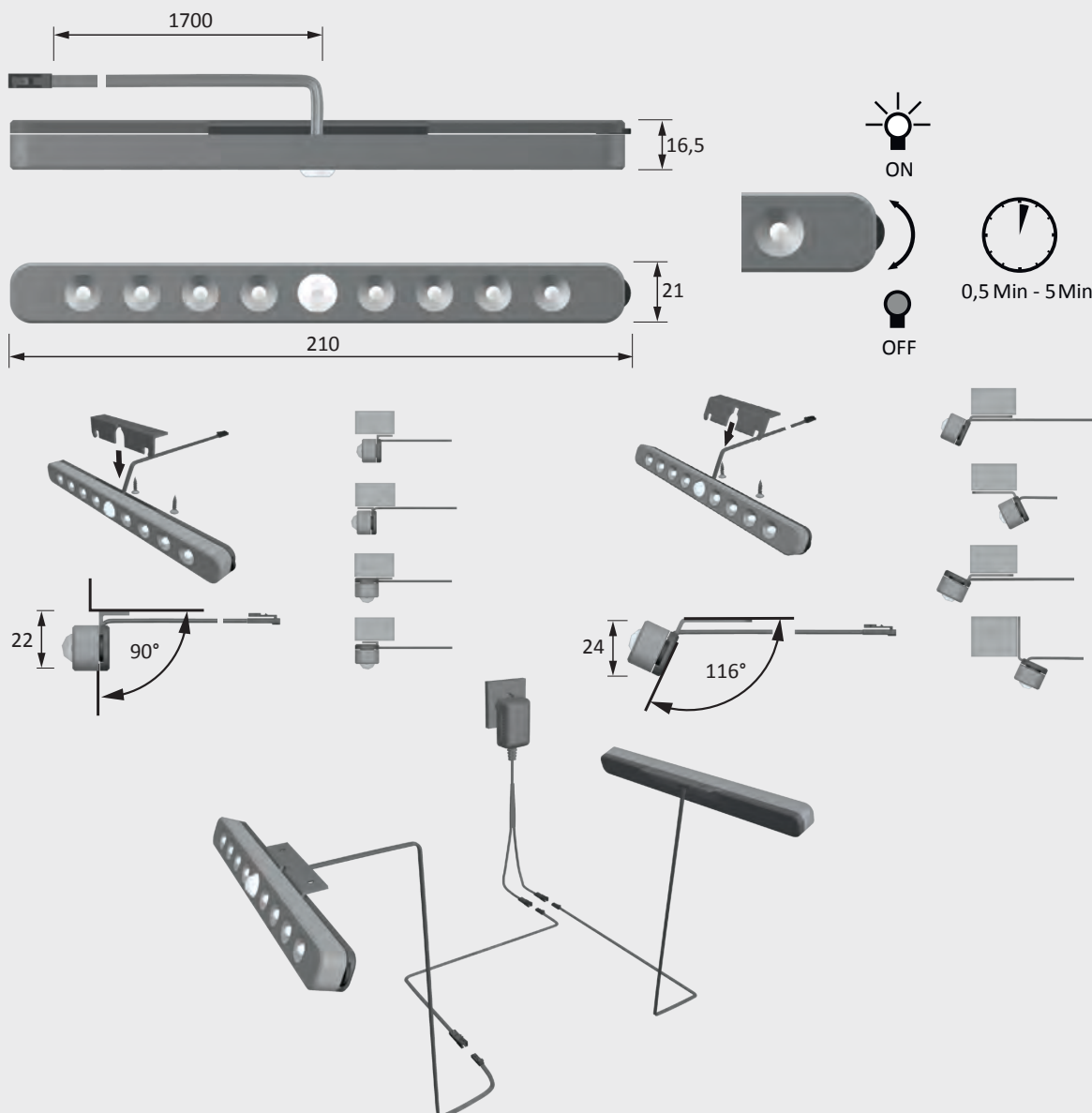
| Article                               | Order no.<br>Warm white | Order no.<br>Cool white |
|---------------------------------------|-------------------------|-------------------------|
| LuckyLine set of 2, including ballast | 36 972 11               | 36 975 02               |



## 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



Lamp type:  
Type of lighting:

LED recessed light  
Accent /  
orientation  
lighting

Surface finish:  
Operating voltage:  
Light colour:  
Colour rendering  
index CRI:  
Energy efficiency:

Stainless steel look  
12 V DC  
Warm white

Life span:  
Power consumption:  
Dimmable:

A+  
40 lm/W  
30,000 h (L70)  
1.9 W  
Yes

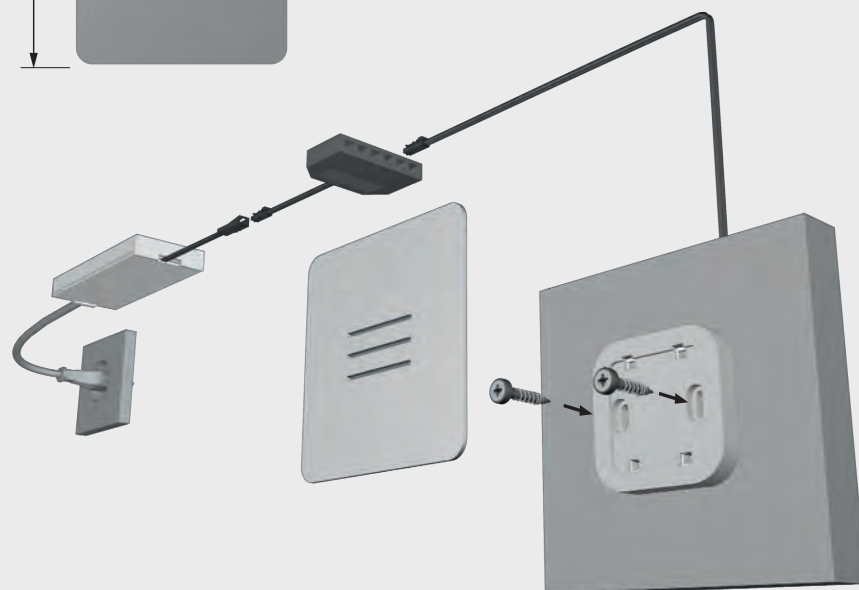
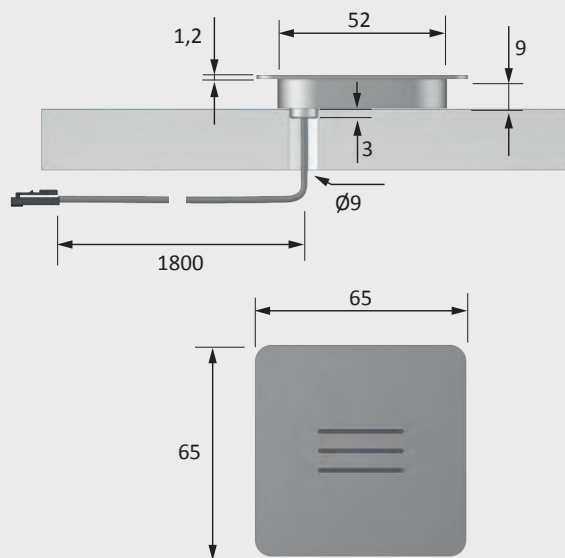
Test marks and  
symbols:  
Protection rating:  
Supply lead:  
Plug connection:

CE     
IP 20  
1800 mm  
LED mini  
M1 plug connection  
LED ballast

Connection to:



## 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

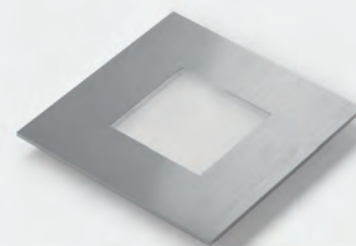
### Examples of use

- ▶ 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

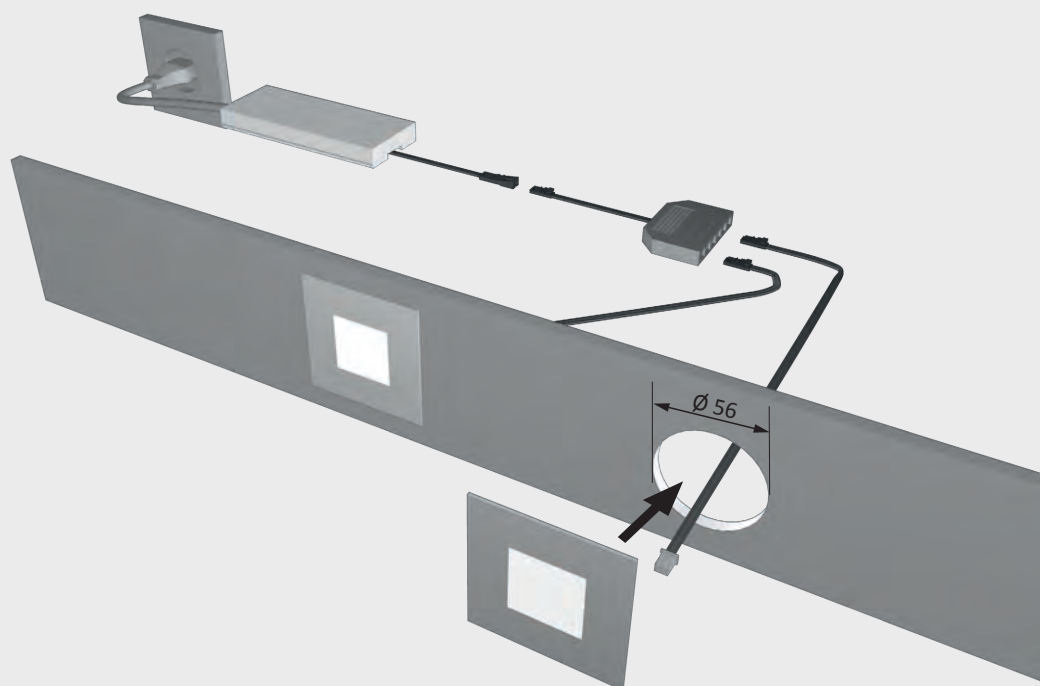
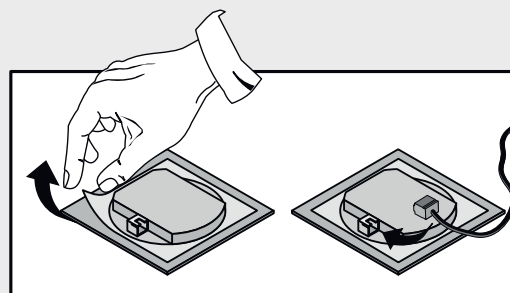
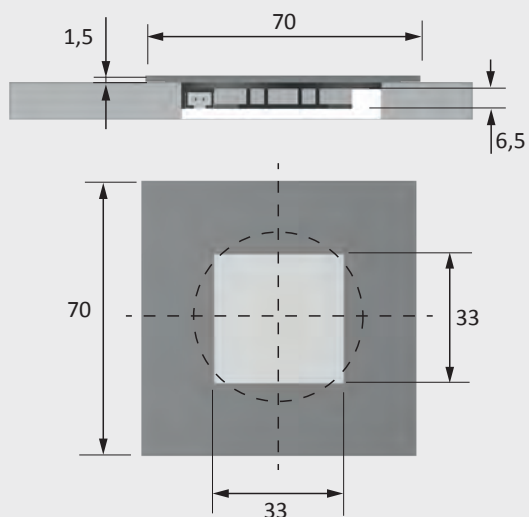
| Article              | Order no. |
|----------------------|-----------|
| Stainless steel look | 38 970 01 |

### 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**

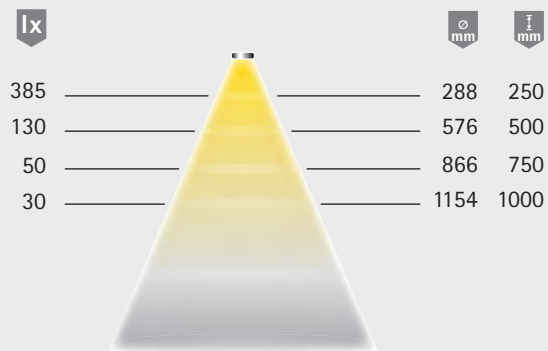
### SwanLite

| Article  | Order no.<br>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  |



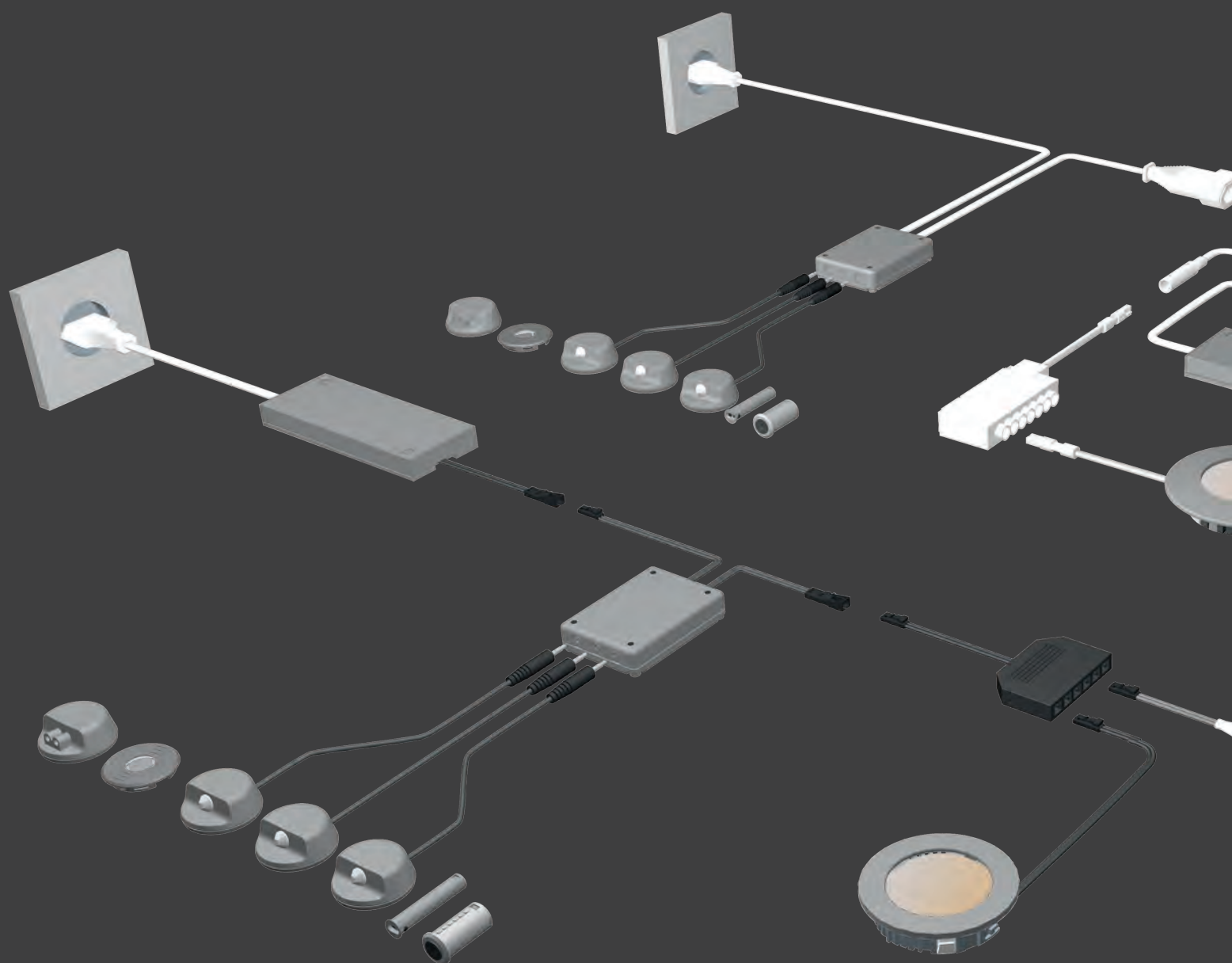
## Light distribution diagram / 60°



## Dimensional drawing / installation







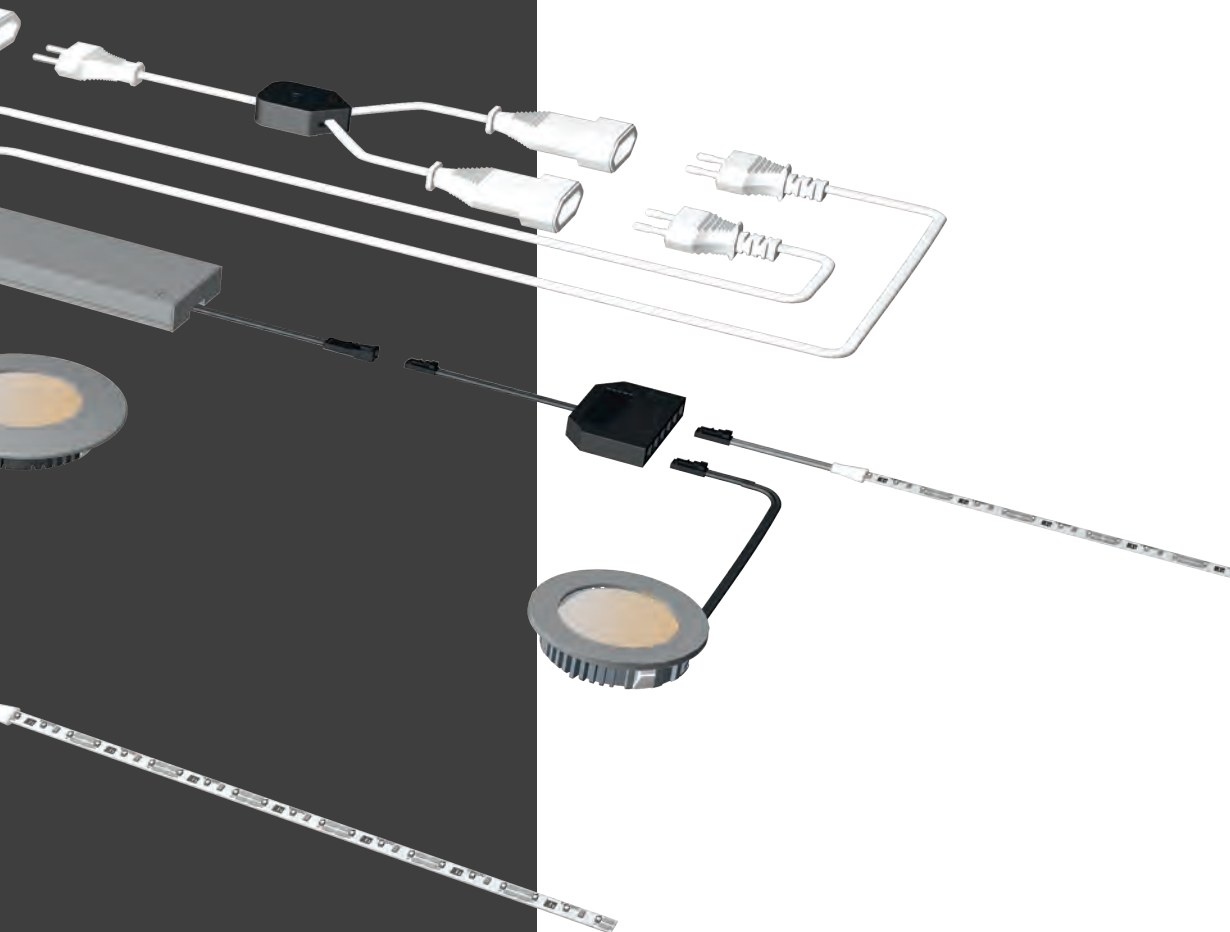


## Switch systems

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 |



Technical drawings of the SPS 1000 system components, including dimensions and installation diagrams.

**Top Left:** Dimensions for the main unit and cable. Main unit width: 2000. Cable width: 300. Cable height: 55. Main unit height: 75. Cable diameter: 15.

**Top Right:** Dimensions for the cable and connector. Cable length: 3000. Connector length: 50,3. Connector diameter: Ø10. Connector height: 0,7. Connector outer diameter: Ø12.

**Bottom Left:** Installation diagram showing the main unit connected to a contact (C) and a sensor (S). The contact is labeled "C = Contact" and the sensor is labeled "S = Sensor".

**Bottom Right:** Installation diagram showing the main unit connected to a contact (C) and a sensor (S). The contact is labeled "C = Contact" and the sensor is labeled "S = Sensor".

**Bottom Center:** Dimensions for the cable and connector. Cable length: 1800. Connector diameter: Ø35. Connector height: 14,5.

**Bottom Right:** Dimensions for the contact and sensor. Contact diameter: Ø35. Contact height: 14,5. Sensor diameter: Ø35. Sensor height: 14,5.

**Bottom Right:** Dimensions for the contact and sensor. Contact diameter: Ø35. Contact height: 14,5. Sensor diameter: Ø35. Sensor height: 14,5.





## 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<br>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)

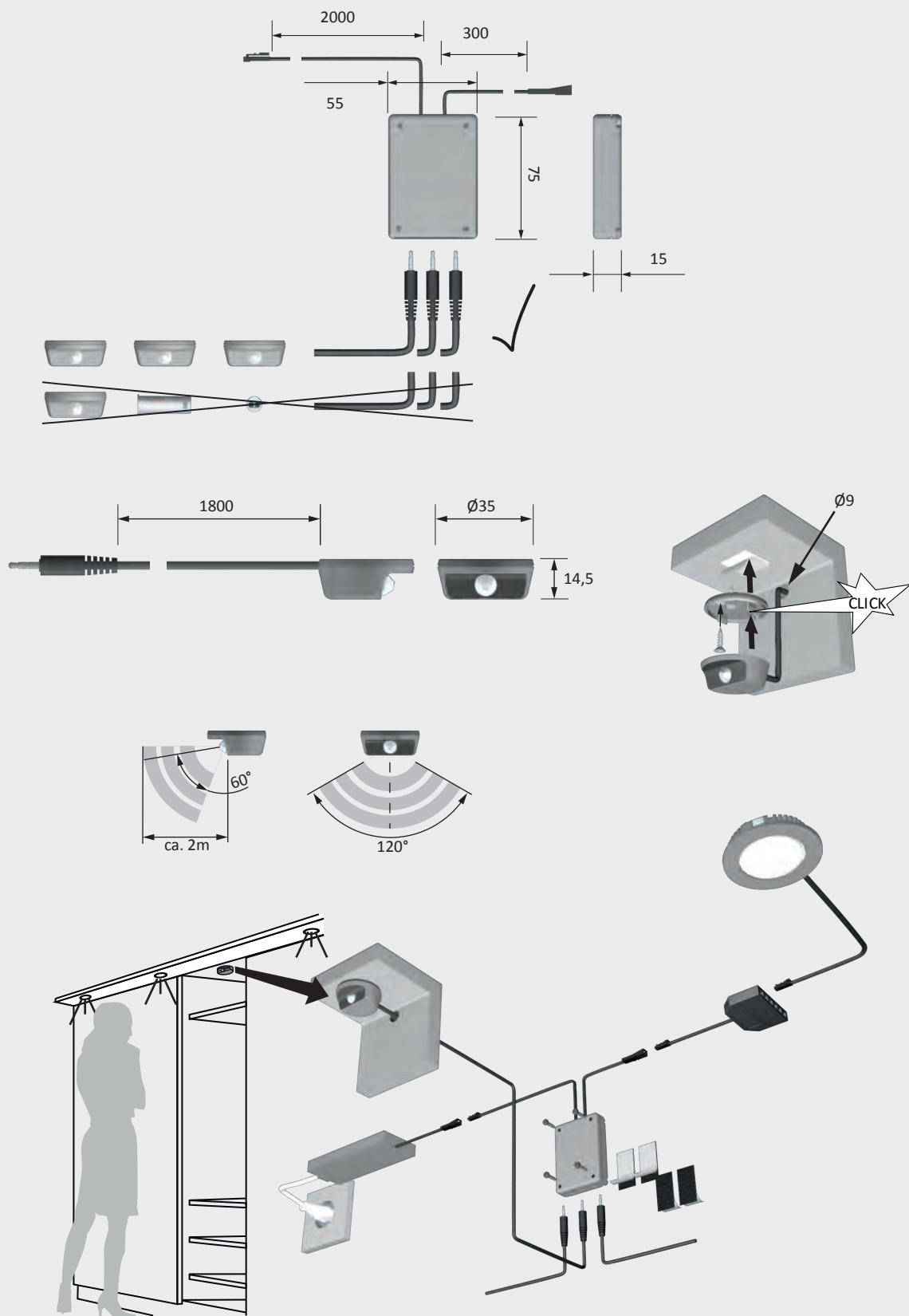
| Article  | Order no. |
|--|-----------|
| PIR sensor for surface mounting (motion sensor)    | 30 638 01 |
| Master unit 230 V AC – max. switching power: 500 W | 30 179 01 |
| Master unit 12 V DC – max. switching power: 36 W   | 30 764 01 |
| Master unit 24 V DC – max. switching power: 72 W   | 30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

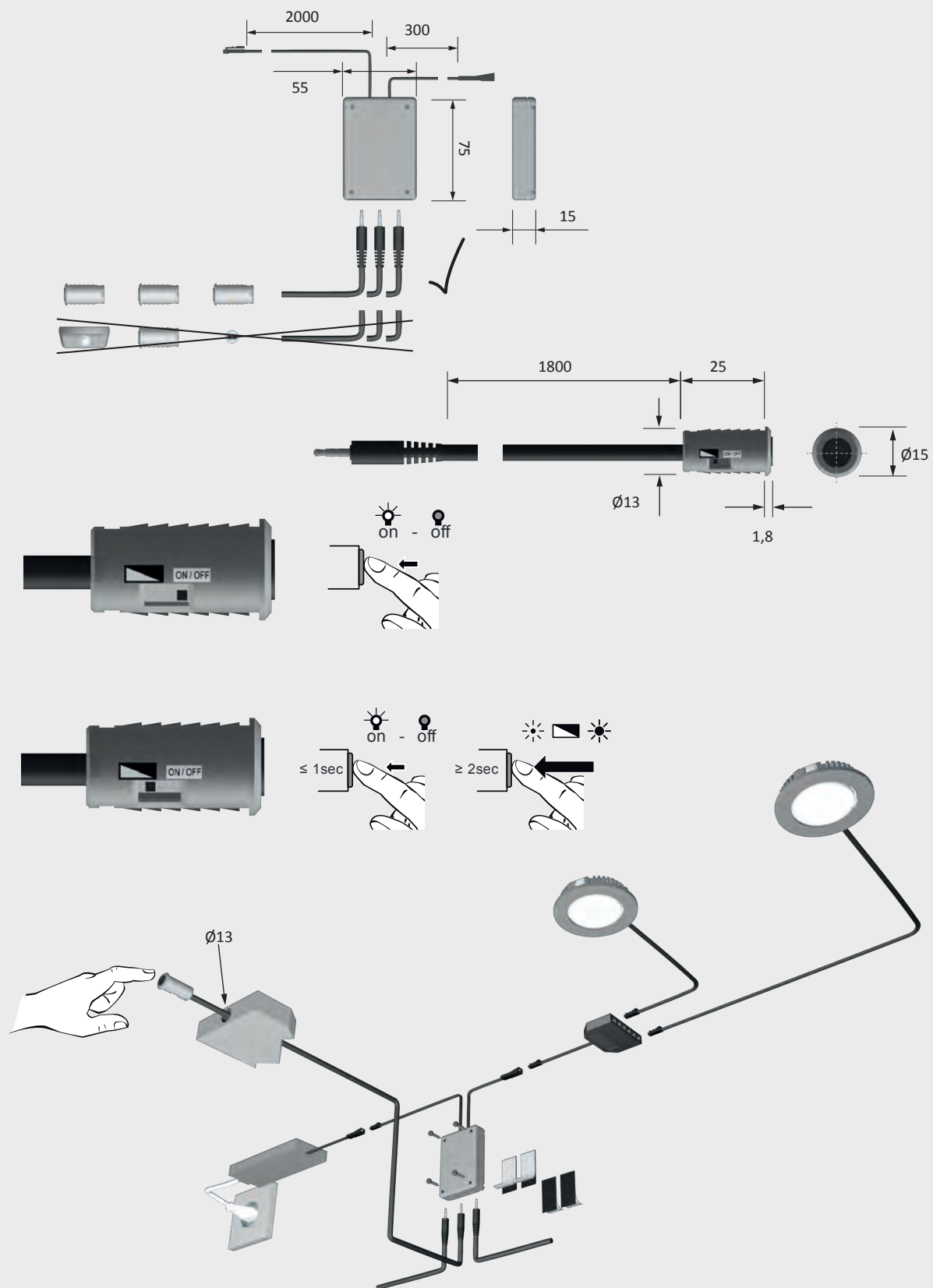
| Article  | Order no. |
|--|-----------|
| Push button for drill-hole mounting                | 30 648 01 |
| Master unit 230 V AC - max. switching power: 500 W | 30 179 01 |
| Master unit 12 V DC - max. switching power: 36 W   | 30 764 01 |
| Master unit 24 V DC - max. switching power: 72 W   | 30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

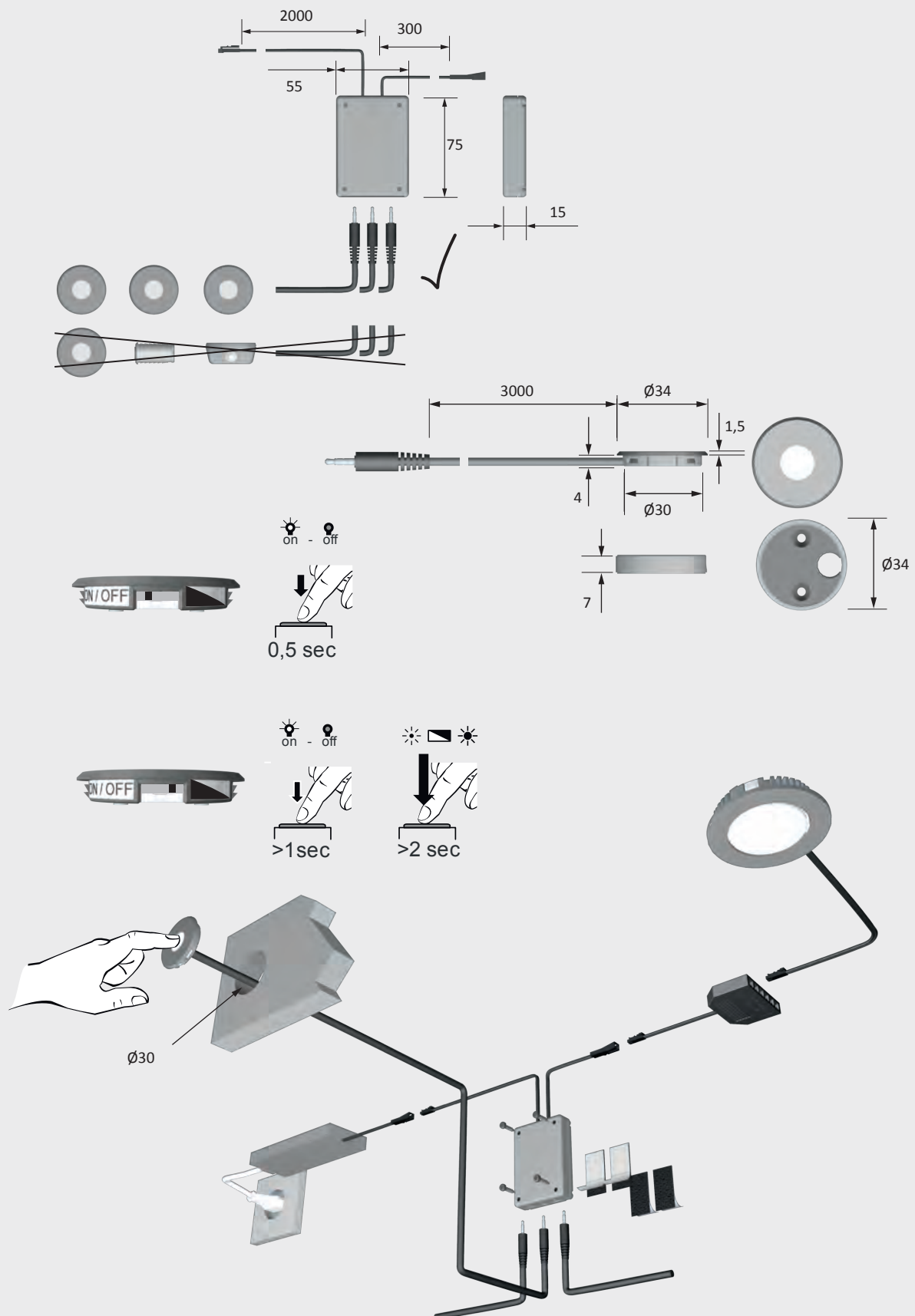
| Article  | Order no. |
|--|-----------|
| Sensor for integration, including surface mounting housing | 30 177 01 |
| Master unit 230 V AC - max. switching power: 500 W         | 30 179 01 |
| Master unit 12 V DC - max. switching power: 36 W           | 30 764 01 |
| Master unit 24 V DC - max. switching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

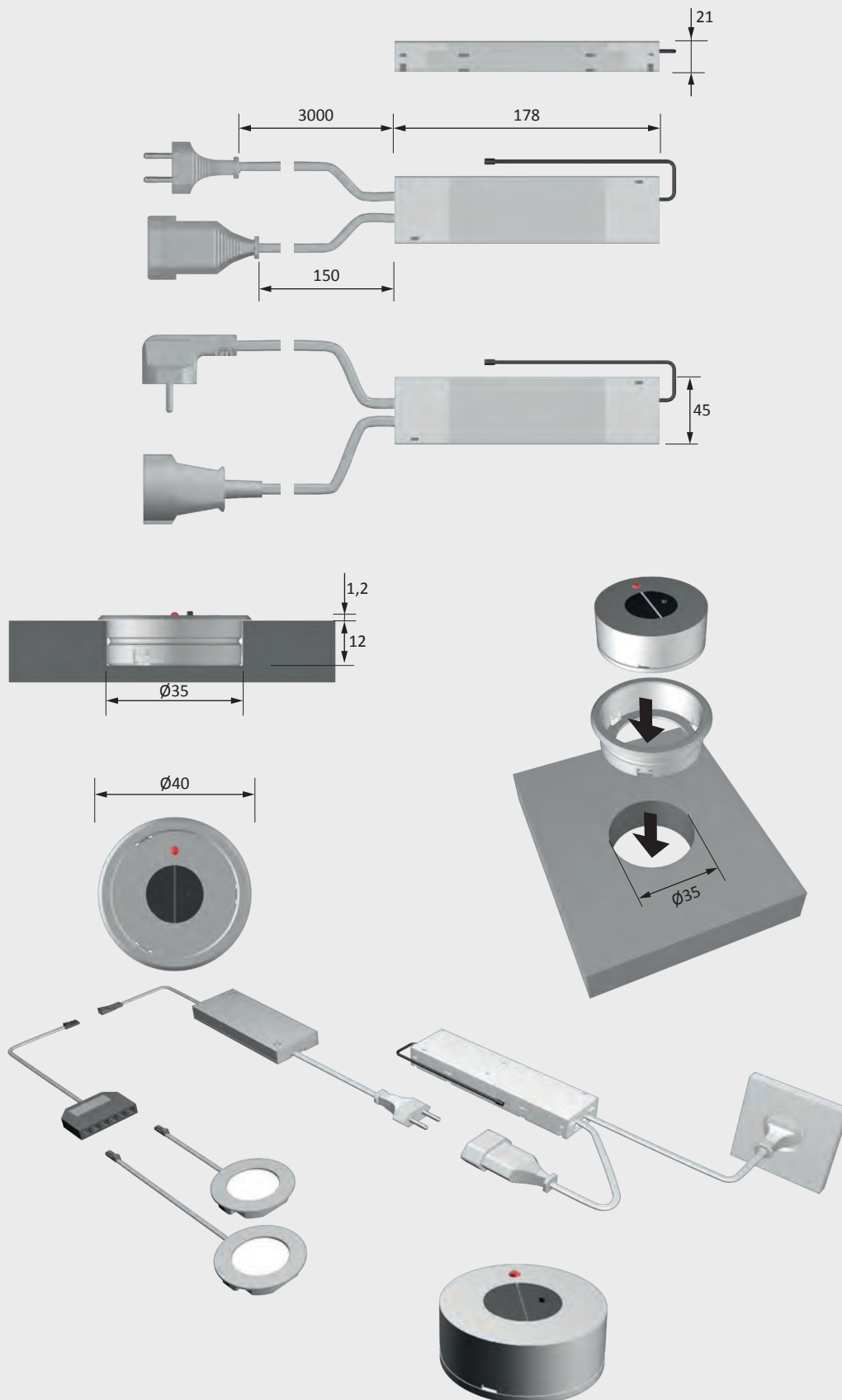
### Technical details in brief



|                         |  |
|-------------------------|--|
| 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 |

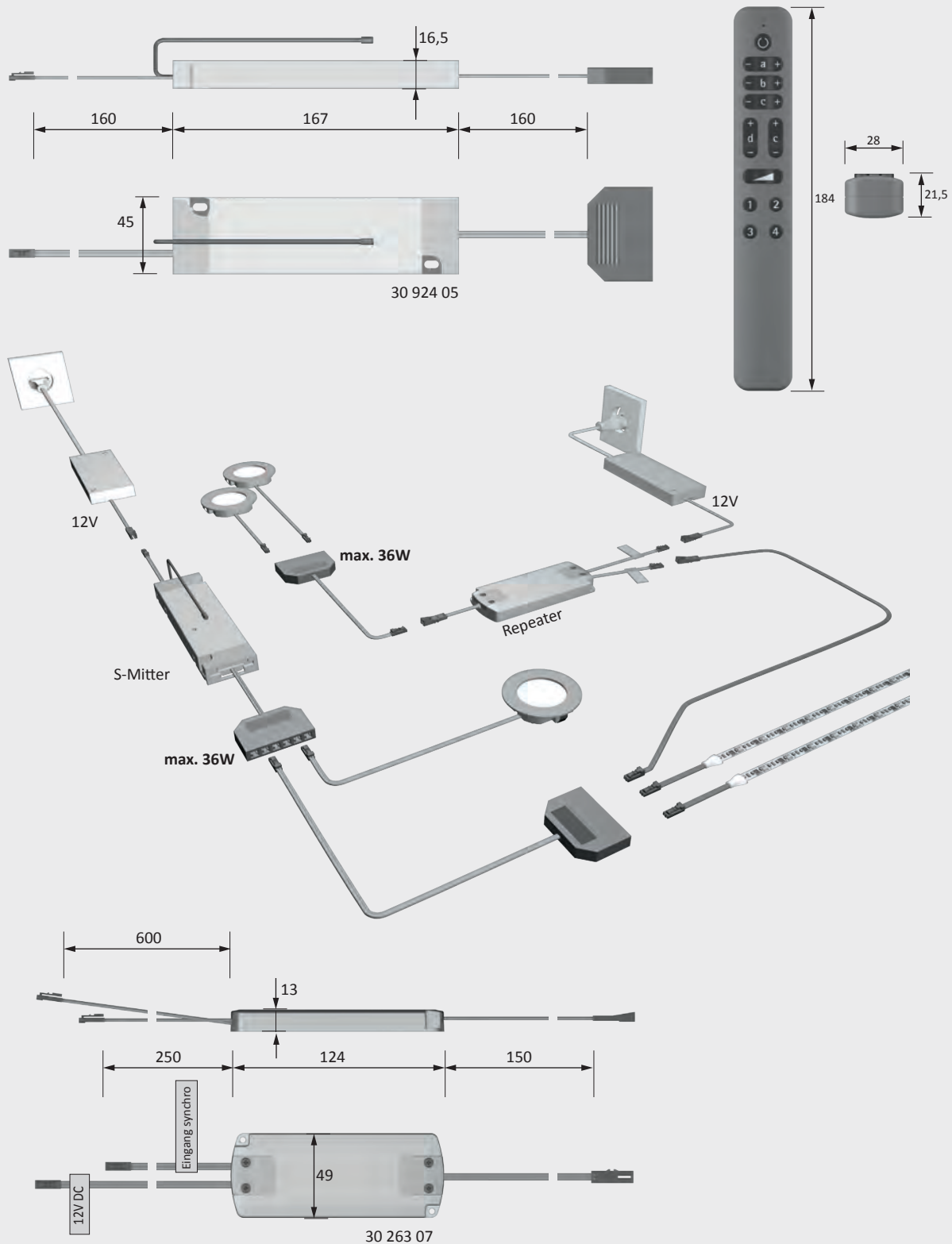
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

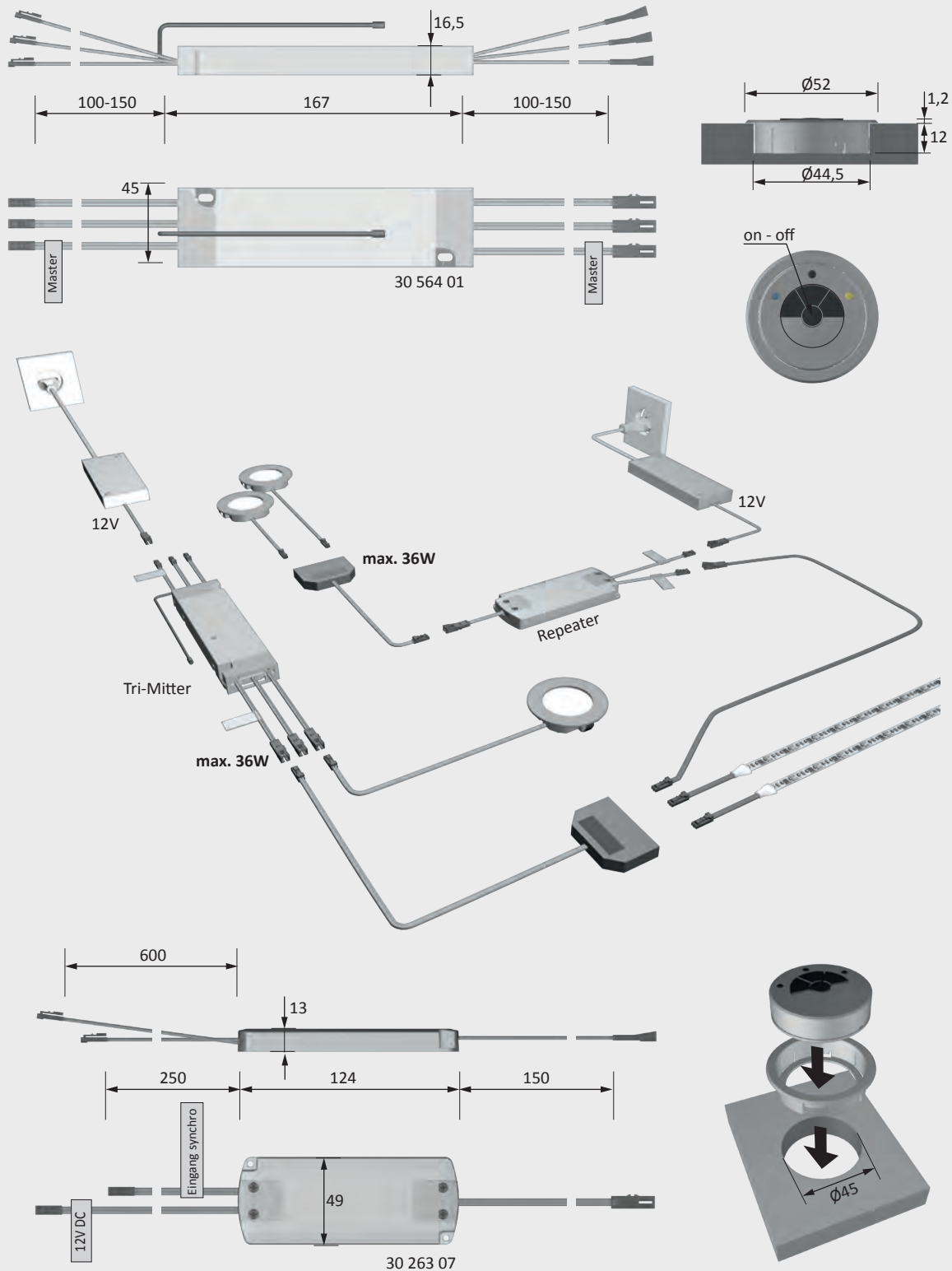
### Accessories (for more accessories, see chapters "Switch systems" and "Ballasts & leads")

| 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 |

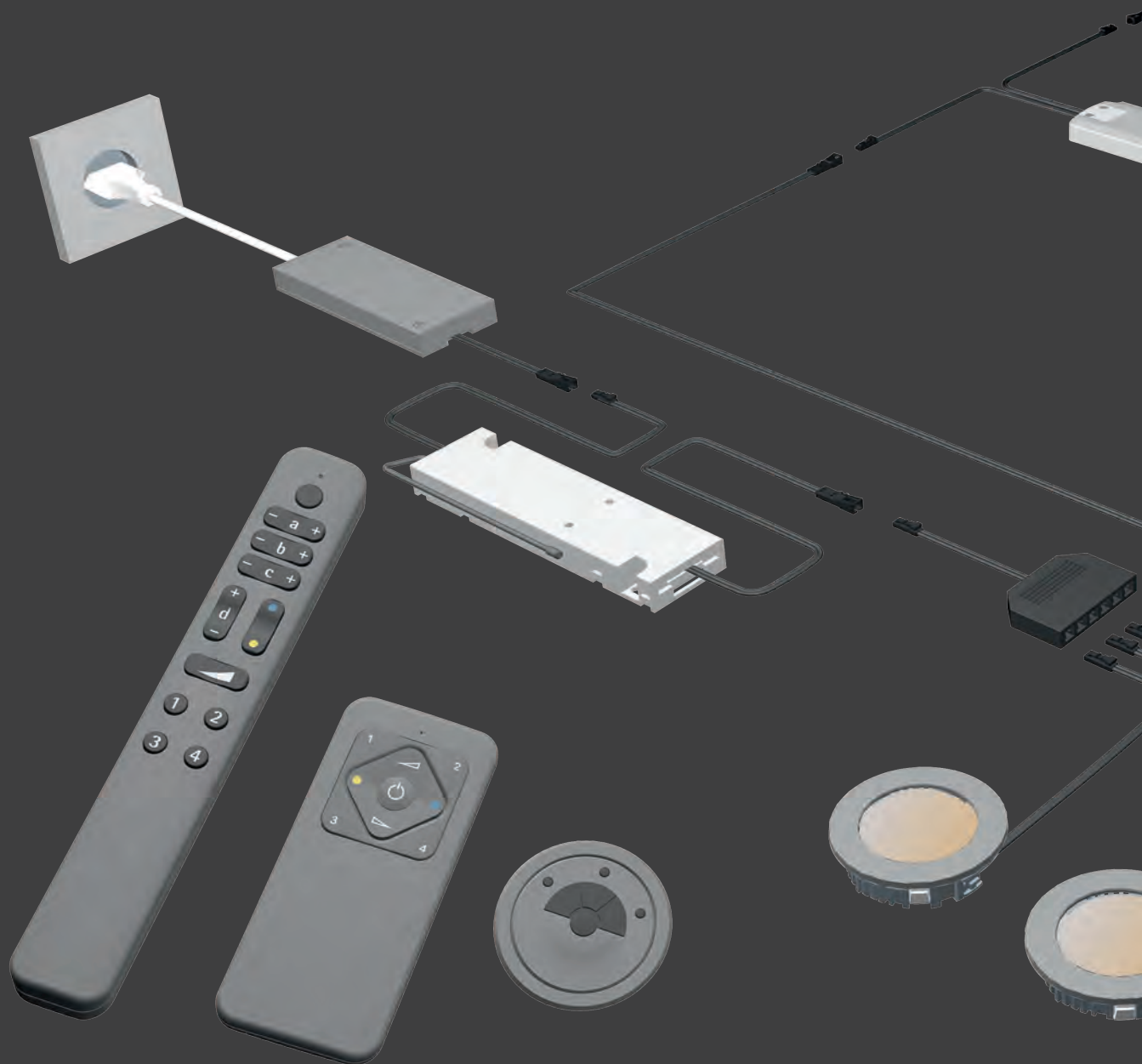
\* one repeater allows for the control of more than 36 W at 12 V and 72W at 24 V, respectively



## Dimensional drawing / installation







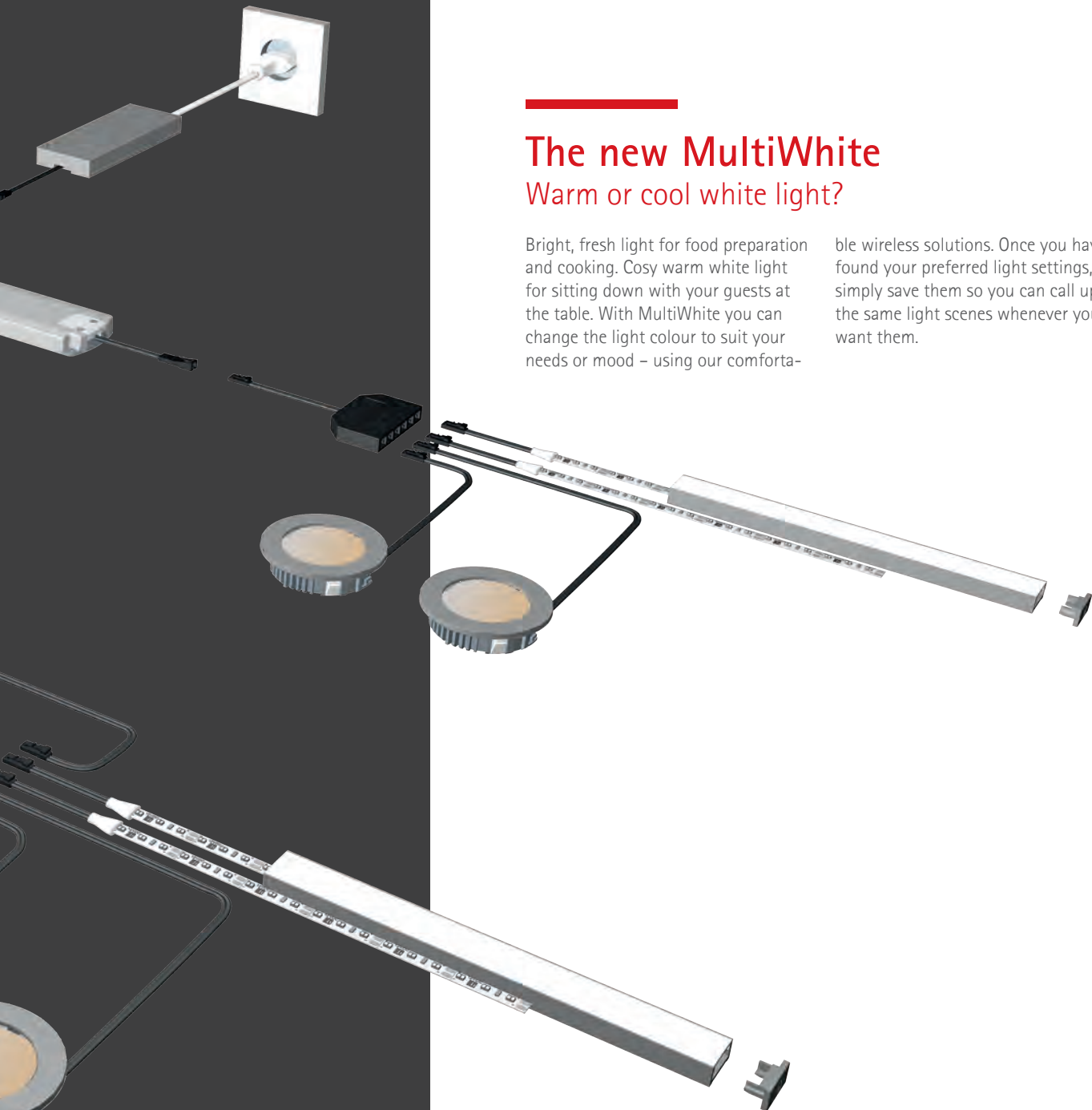


## The new MultiWhite

### 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

### 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)

### Technical details in brief

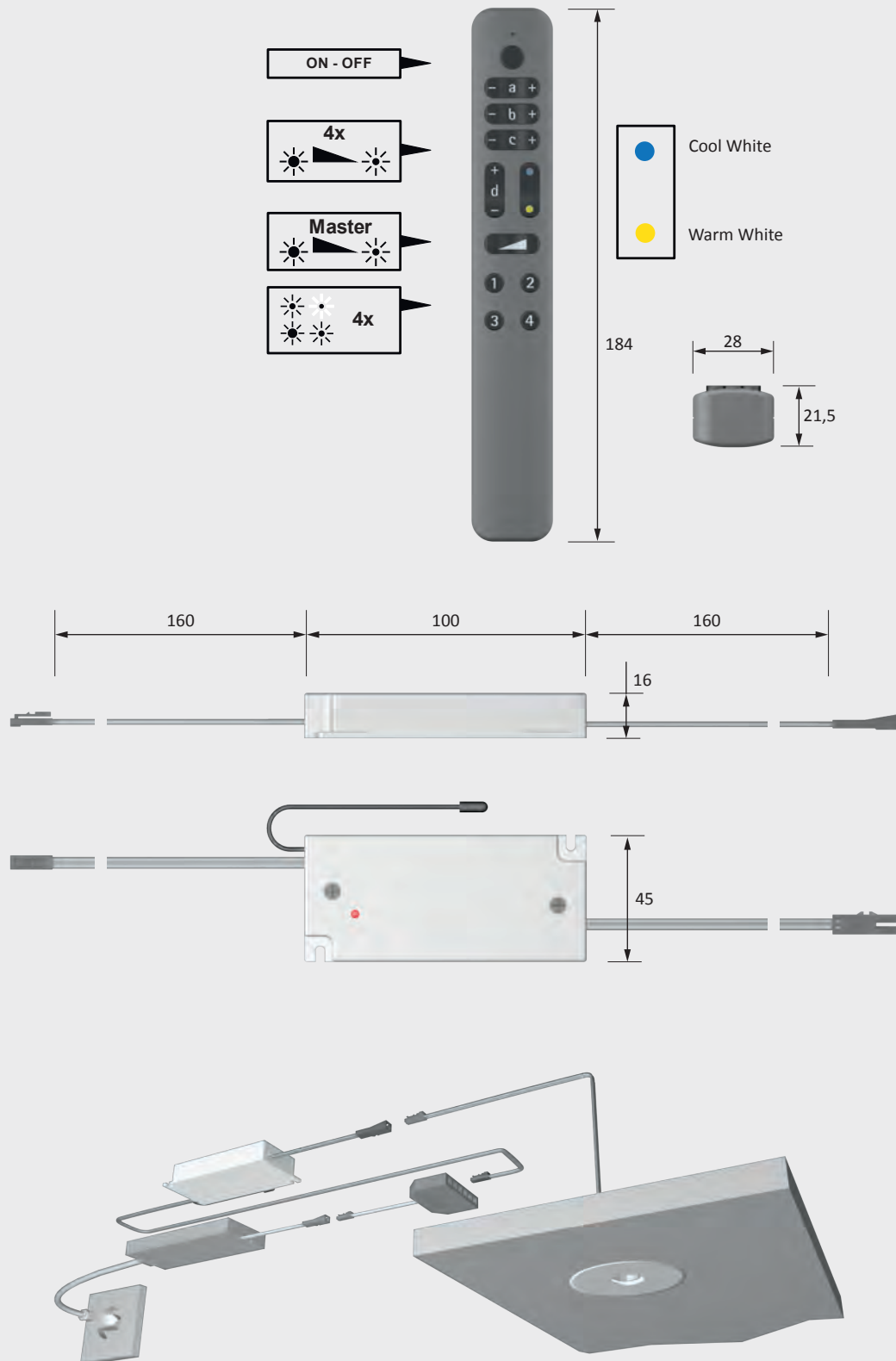


**12 V**

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



## 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")

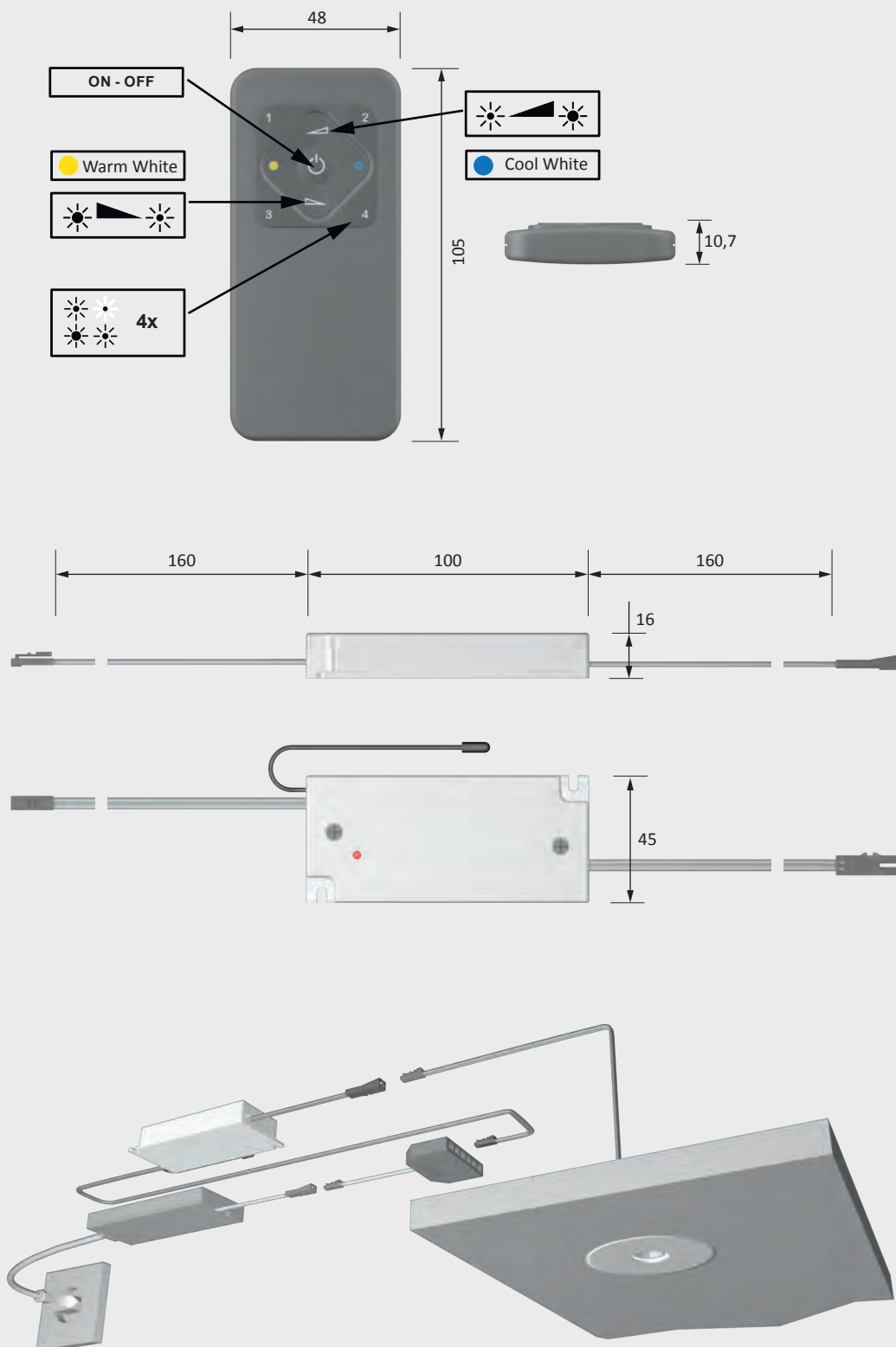
| Article  | Order no. |
|--|-----------|
| MultiWhite repeater*                                     | 30 777 01 |
| MultiWhite adjuster (for fine-tuning of various lamps)** | 30 776 01 |
| AppMitter Bluetooth power socket dongle                  | 30 578 01 |

\* 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:

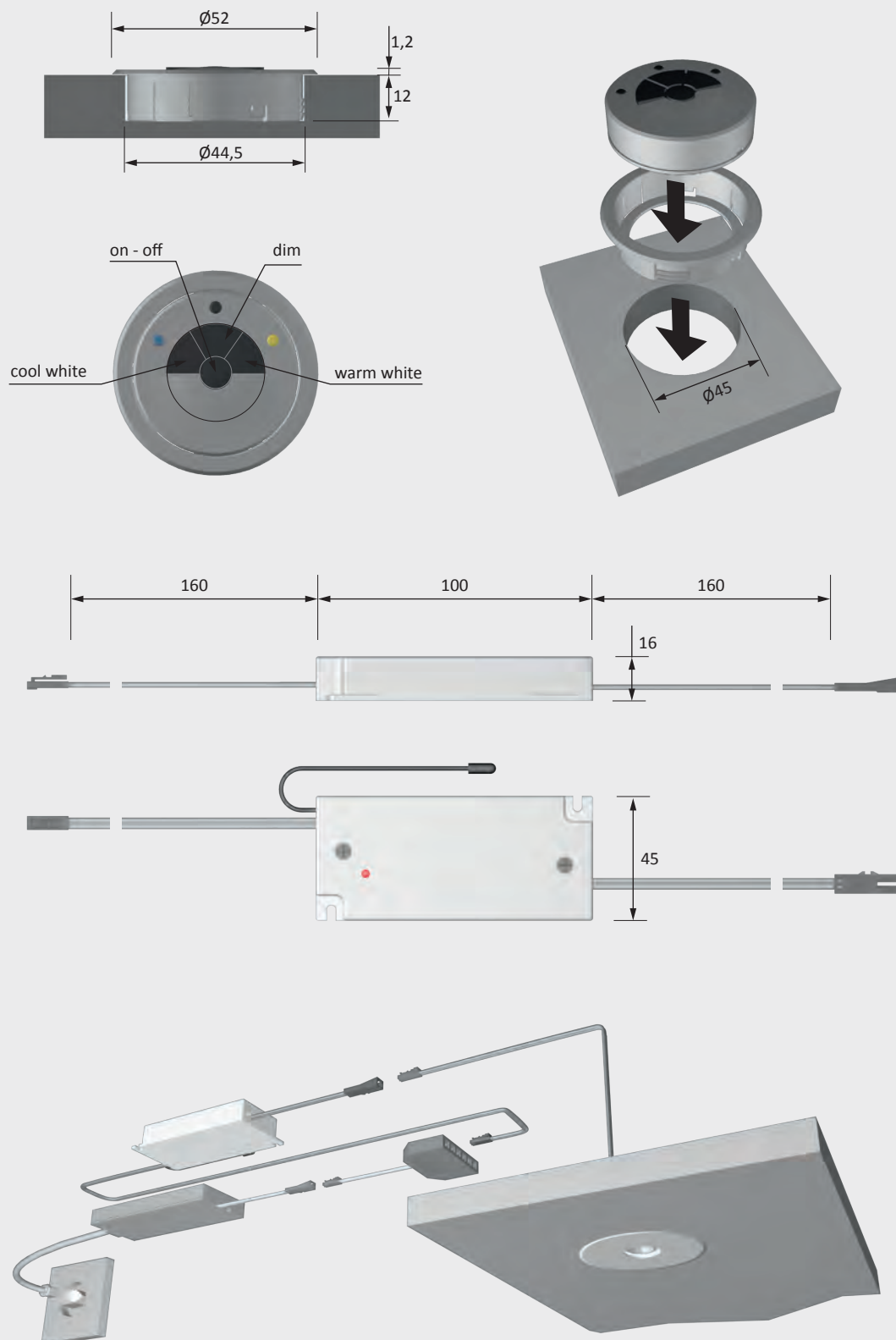
160 mm

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<br>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")

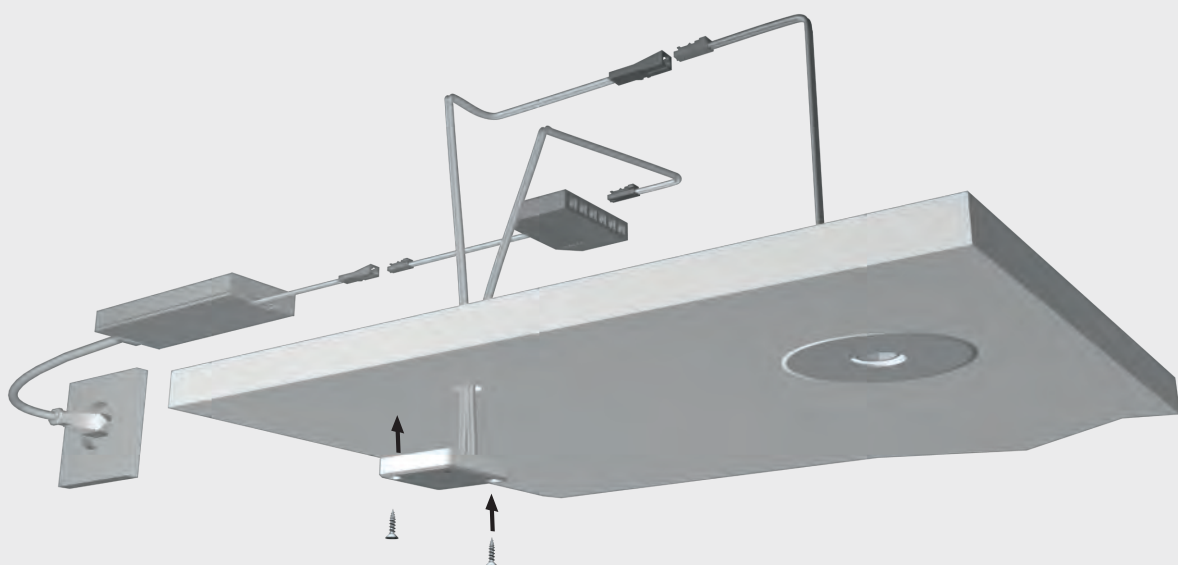
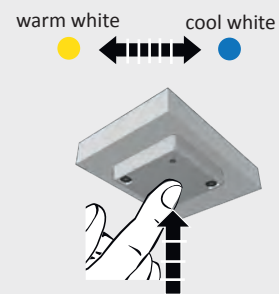
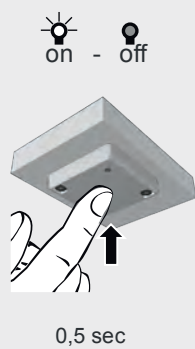
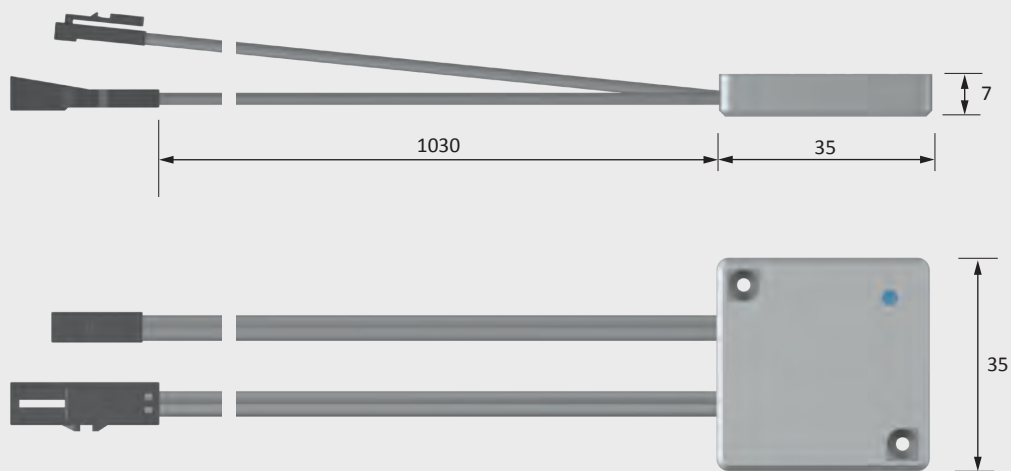
| Article               | Order no. |
|-----------------------|-----------|
| MultiWhite repeater*  | 30 777 01 |
| MultiWhite adjuster** | 30 776 01 |

\* 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







## 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<br>(all versions)<br>Tri-Mitter<br>S-Mitter<br>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

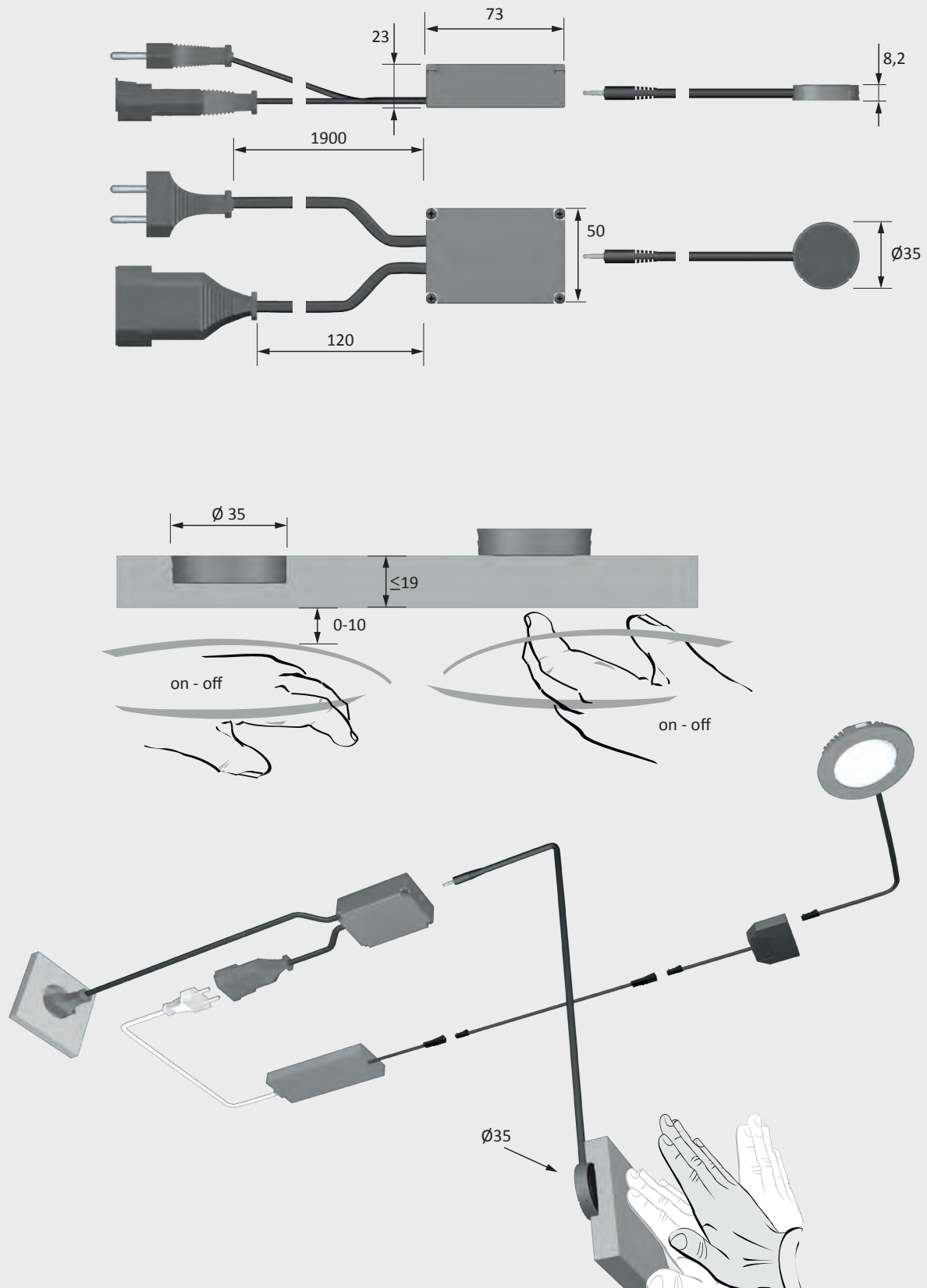


HV

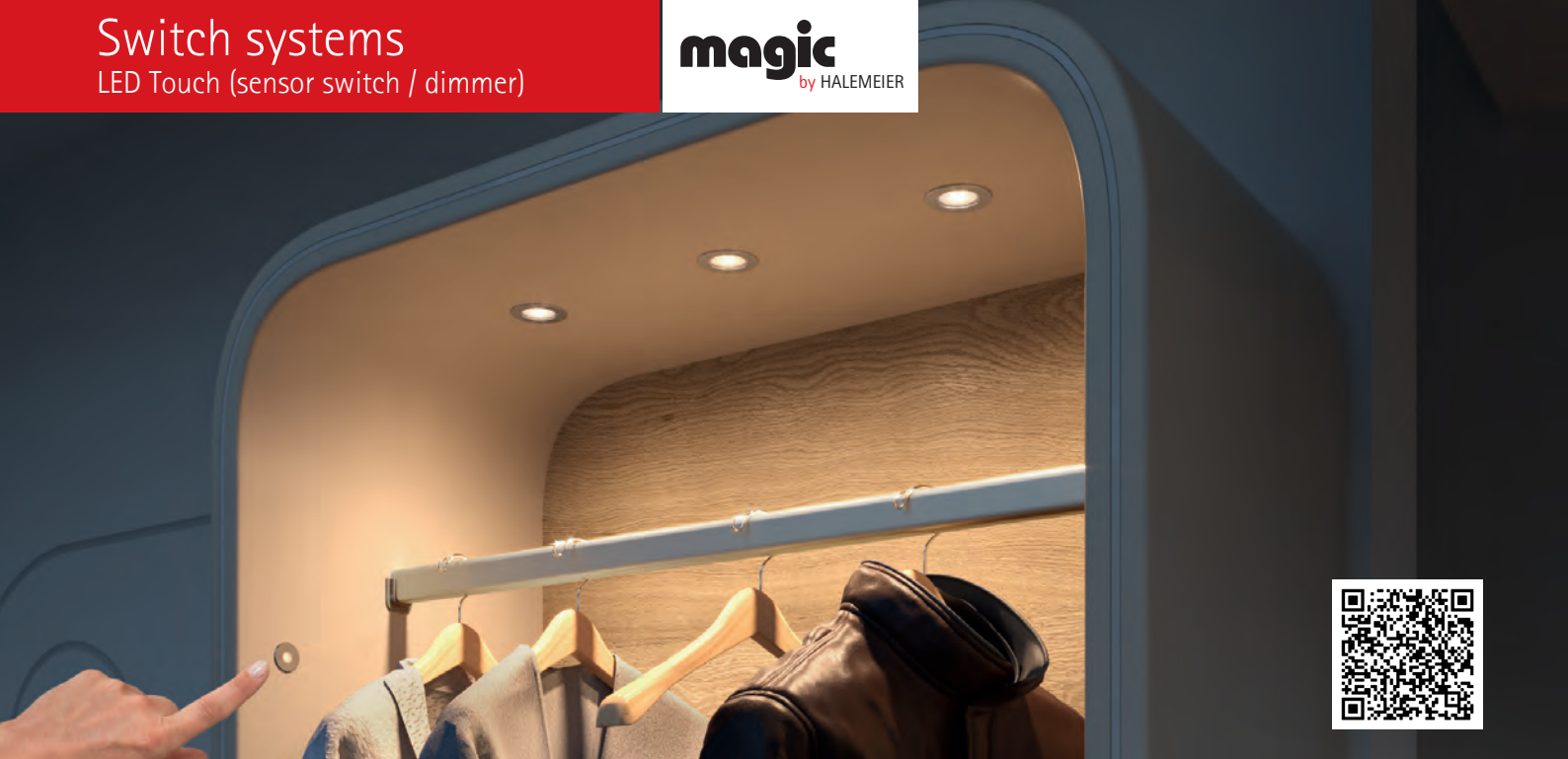
|                         |   |
|-------------------------|---|
| Can be used with:       | Fluorescent lamps, LED lights, halogen lights |
| Surface finish:         | Black   |
| Switching voltage:      | 230 V AC                                      |
| Max. switching power:   | 250 W   |
| Test marks 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



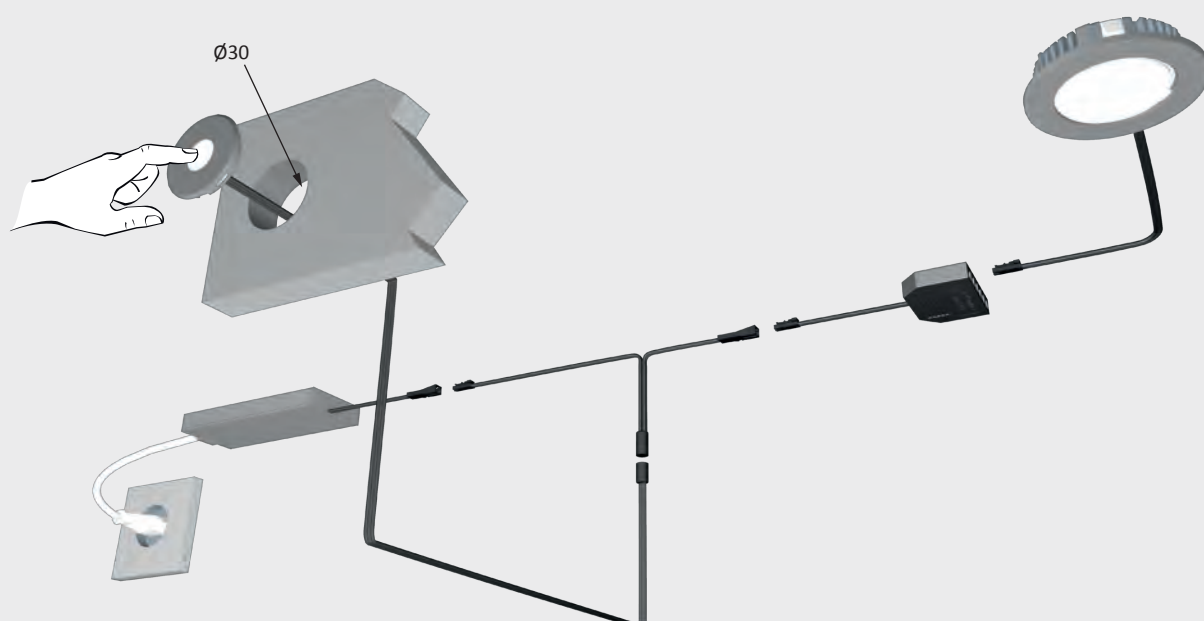
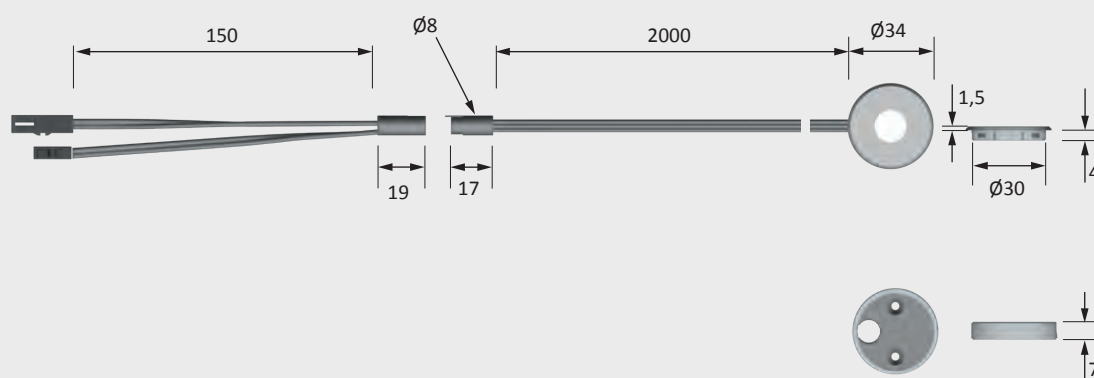
Can be used with: LED lights  
 Surface finish: Aluminium look  
 Operating voltage: 12 V DC  
 Max. switching power: 36 W  
 Test marks and symbols:       
 Supply lead: 2 m  
 Switching lead: 2 m to LED light  
 Standby: < 0.5 W

### 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

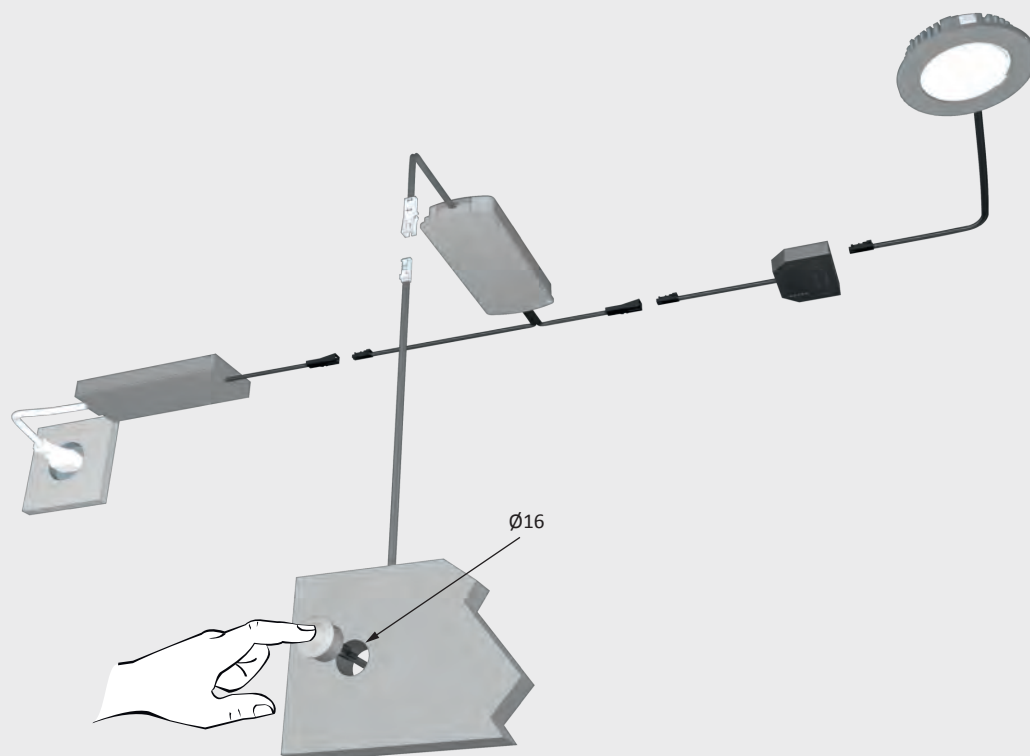
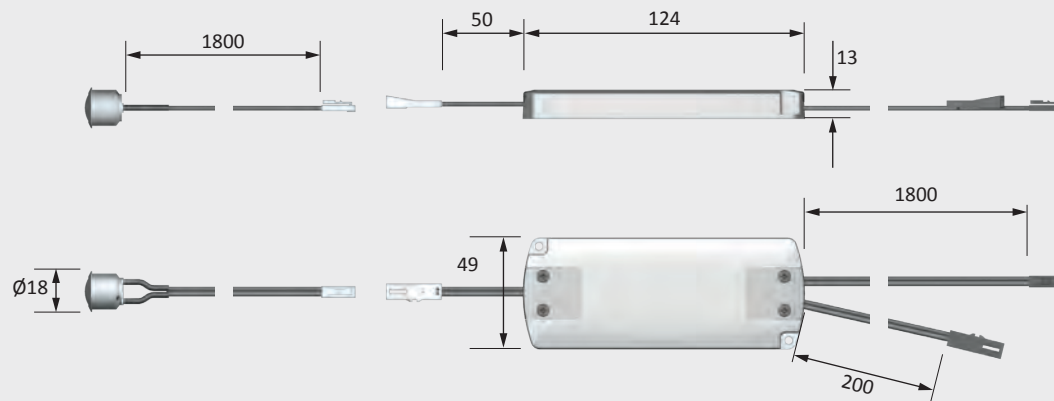
### Technical details in brief



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

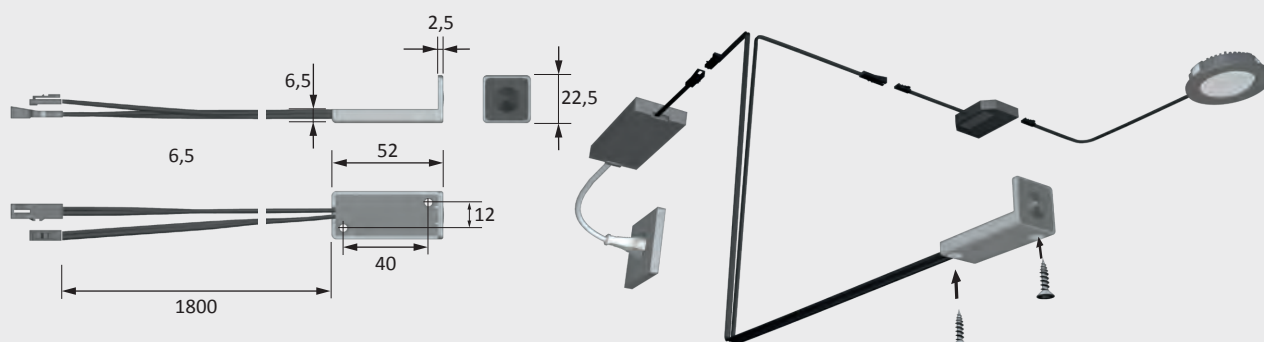


|                         |                               |
|-------------------------|-------------------------------|
| Can be used with:       | LED lights                    |
| Plug connection:        | LED mini<br>M1 plug connector |
| Switching voltage:      | 12 V DC                       |
| 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<br>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

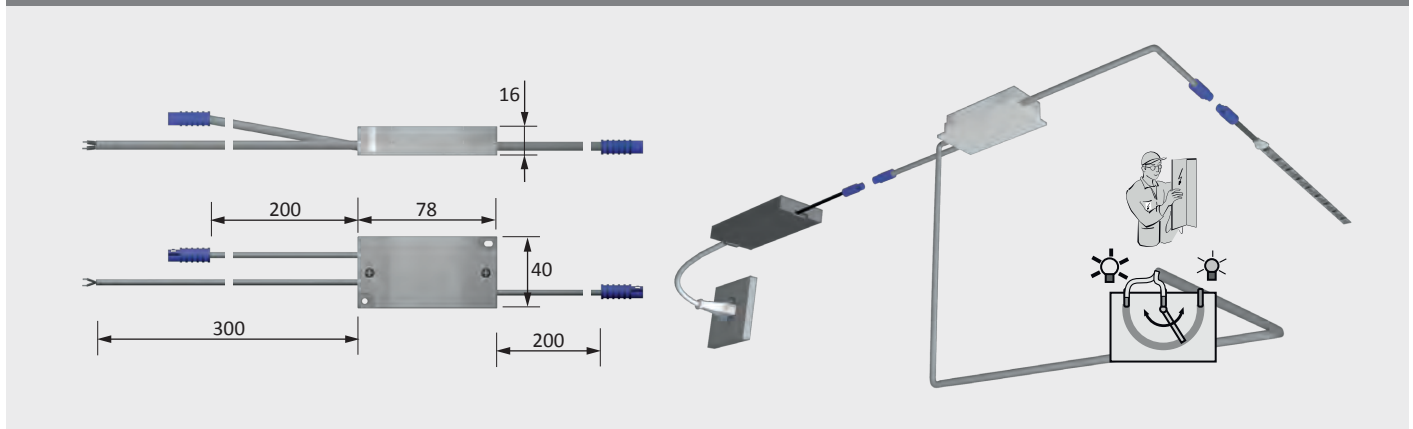
Article

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

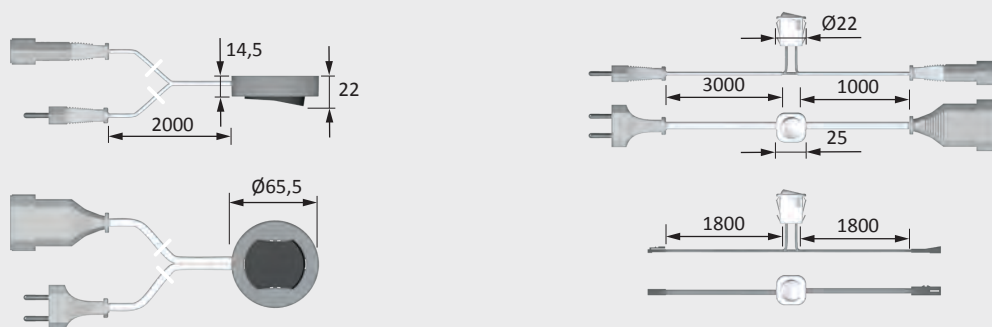
Plug connection:

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



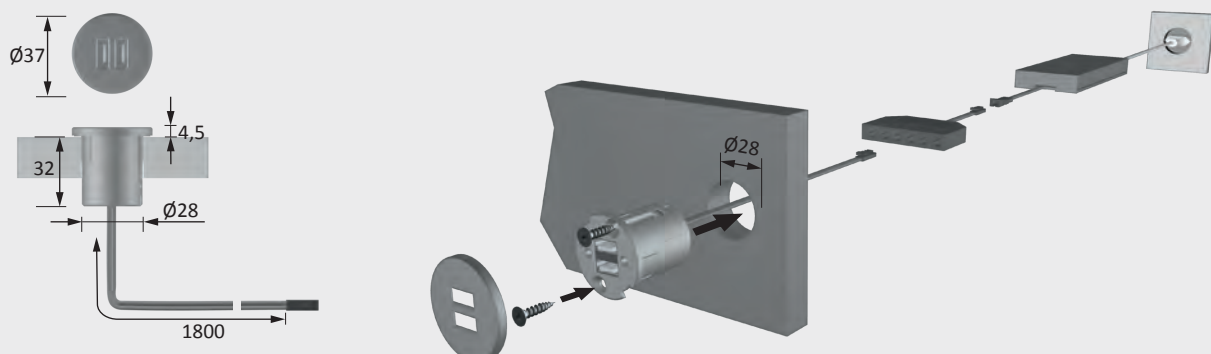
Type:  
Surface finish:  
Operating voltage:  
Charging current:  
Test marks and  
symbols:  
Plug connection:

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







### Advantages

- ## Features

- ## Examples of use

- ## Ordering information

- [illegible]

## Article

Infrared Repeater kit

Order no.

30 052 02

Additional transmitter

30 050 01

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:

CE M M

1700 mm

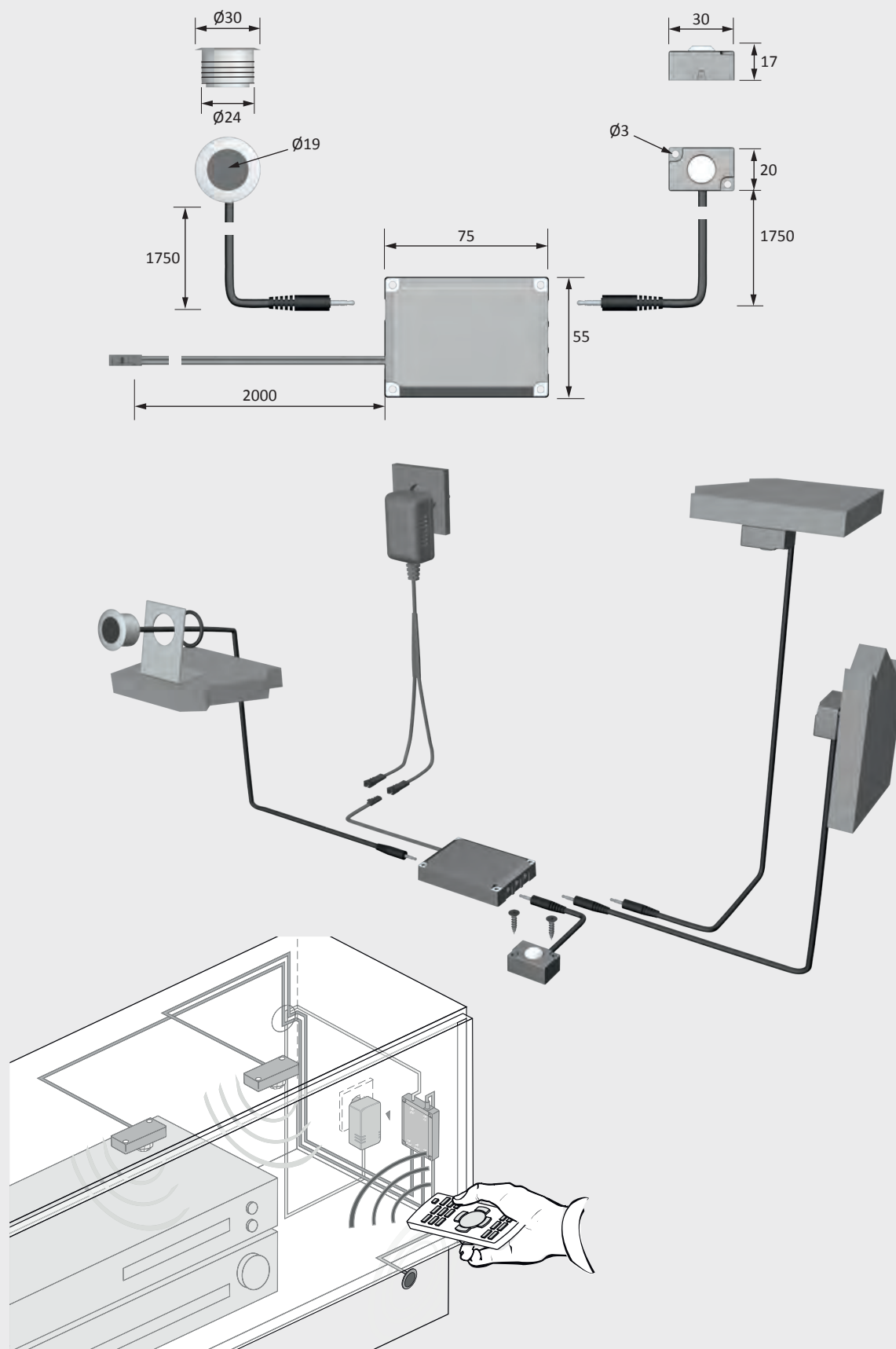
200 mm

 $< 0.5 \text{ W}$ 

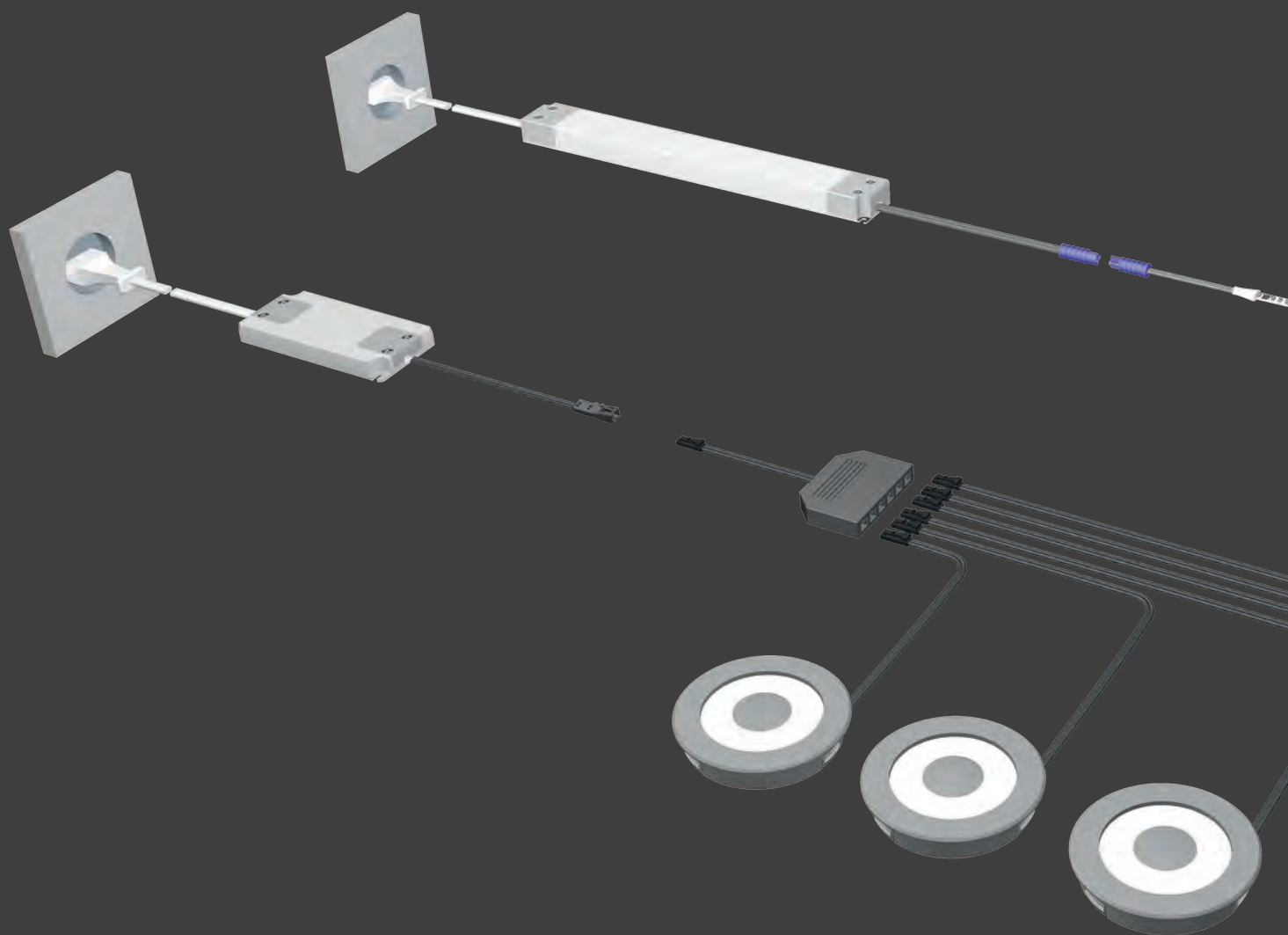
20-60 Hz



## Dimensional drawing / installation







| EVG | Super Swing<br>Super Spot | SuperSpot<br>eco | Swing<br>S-Flat | PowerLite<br>MiniFlat | MultiLite<br>Flood | SignPlus<br>SignSquare | Eco<br>Power L | Eco Power<br>Flood | Eco<br>Spot | Point | Power<br>Square | Super Dot<br>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                     |

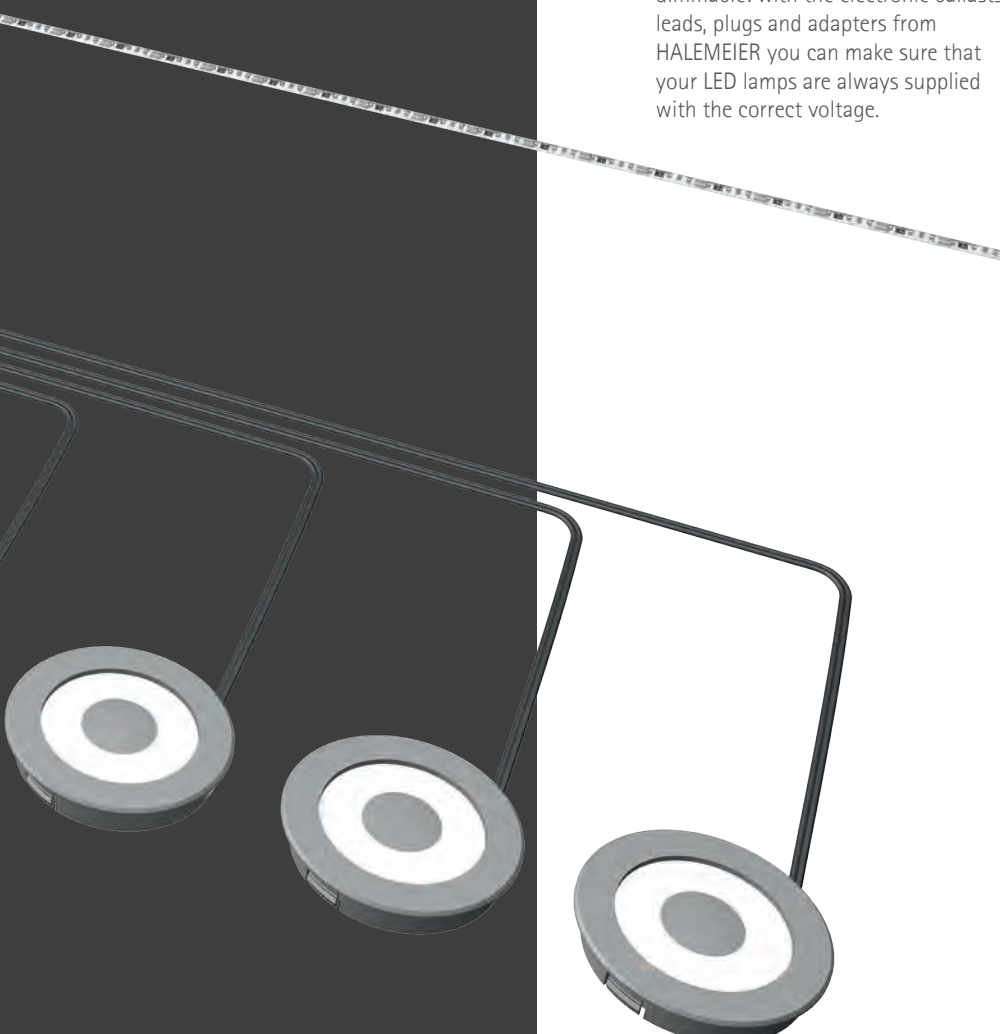


## Ballasts & leads

### 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:

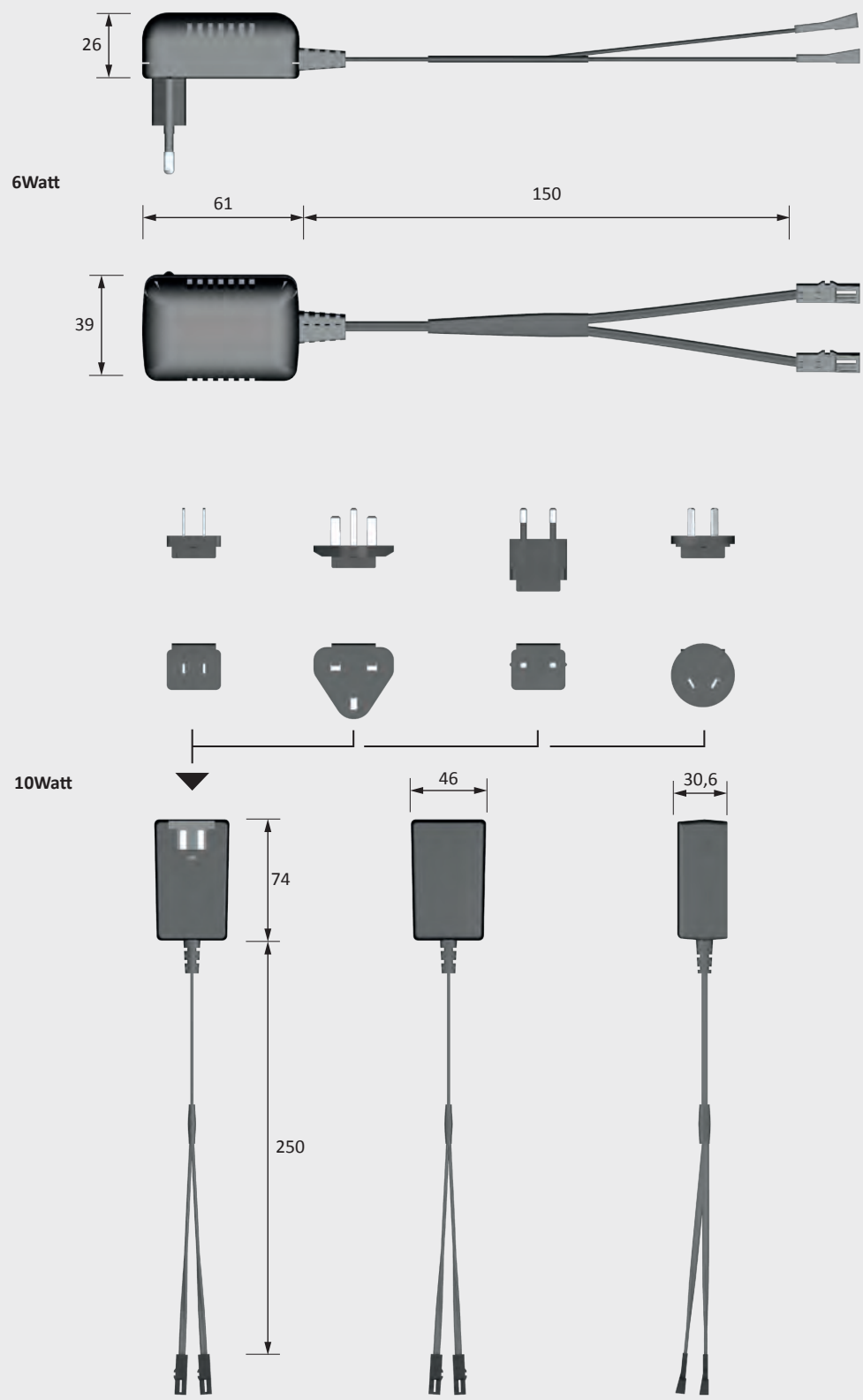
LED lights  
black  
100-240 V AC  
50-60 Hz  
12 V DC  
  
CE      
LED mini  
M1 plug connection

### Plug ballast 12 V

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

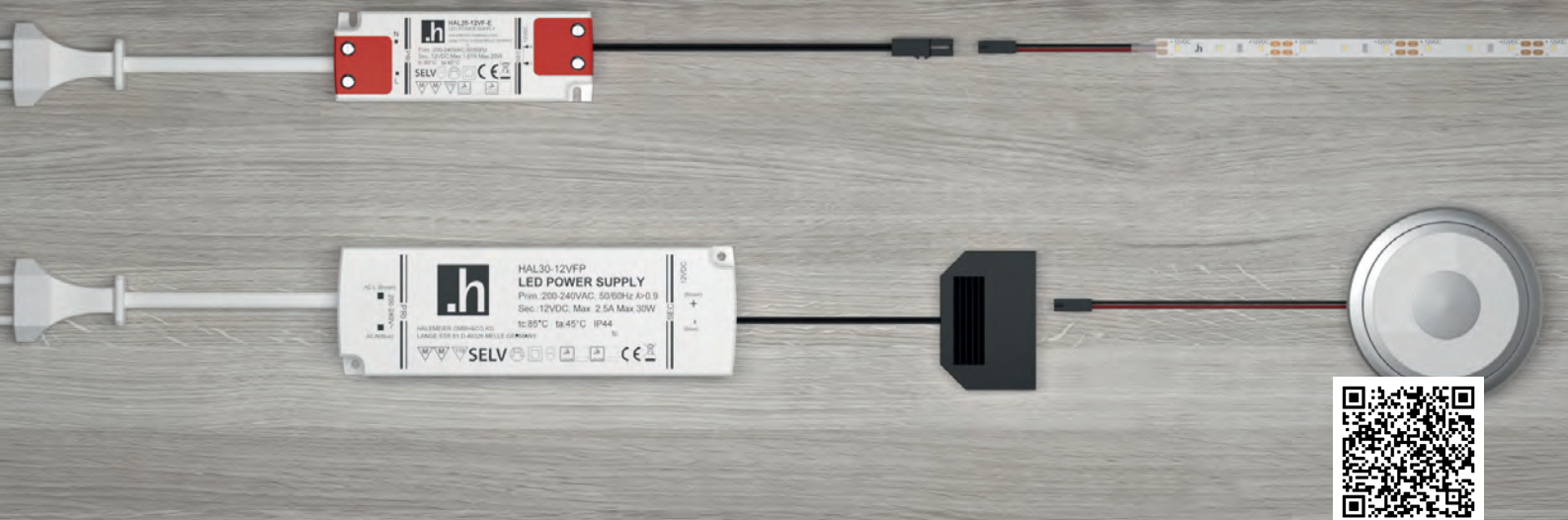


## Dimensional drawing / installation



Ballasts & leads





## 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:

CE

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 |

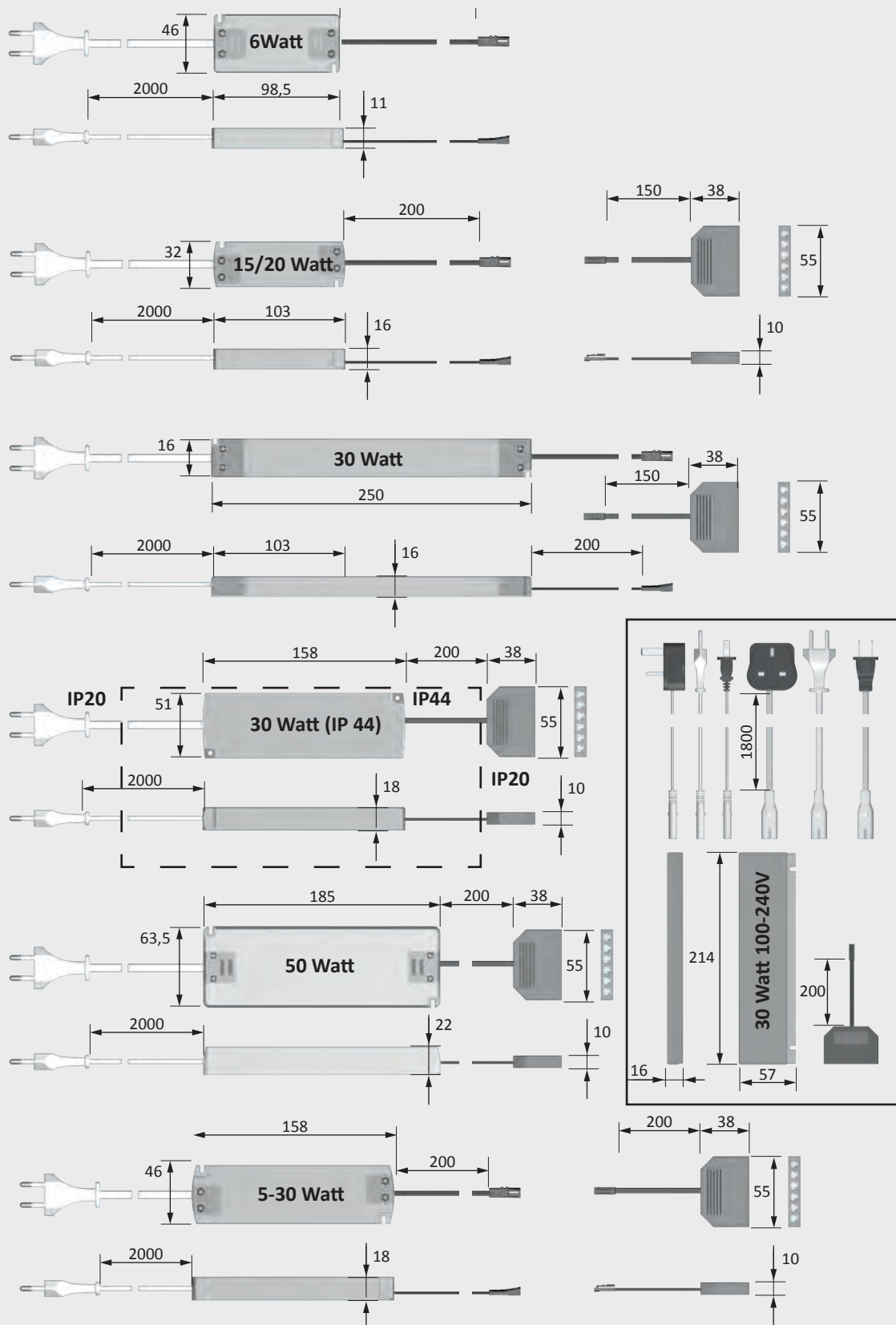
### Ballast 12 V DC - dimmable\* 220-240 V AC

| 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

CE ⚡ ⚠ ⚠ ⚠

Plug connection:

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 |

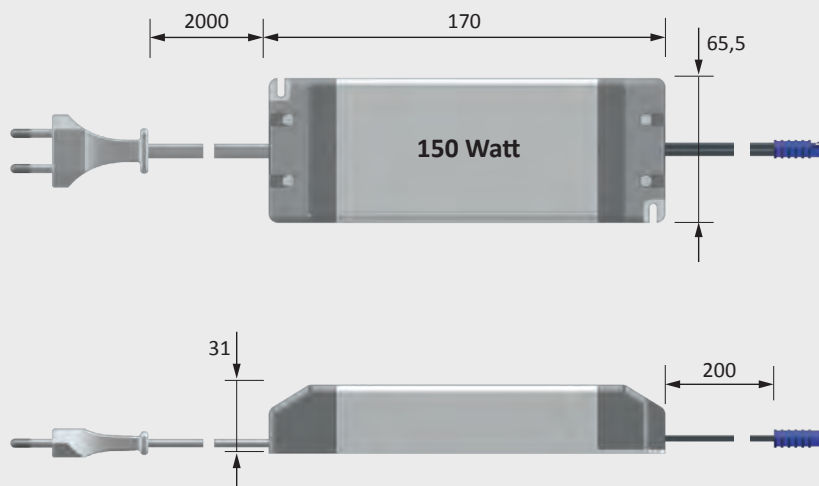
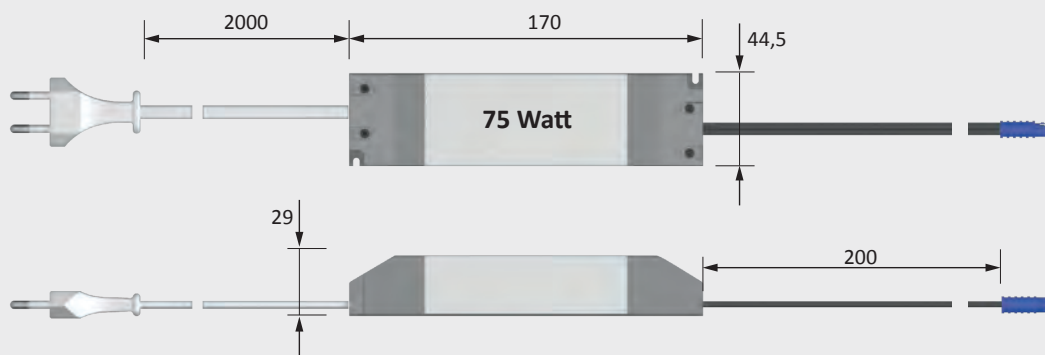
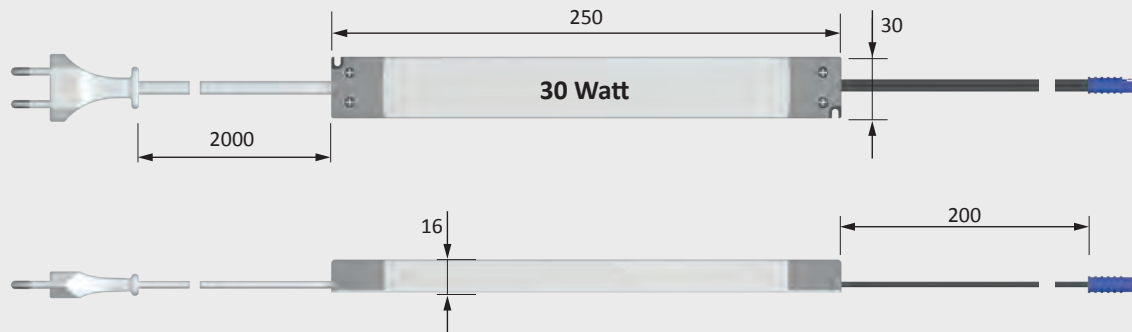
### Electronic ballast 24 V DC - dimmable\*

| 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

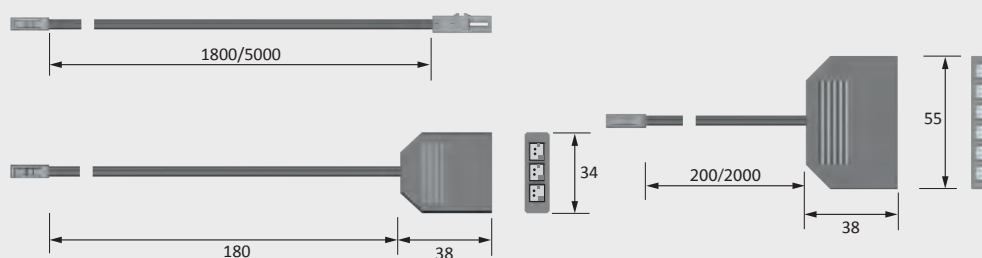
LED mini

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

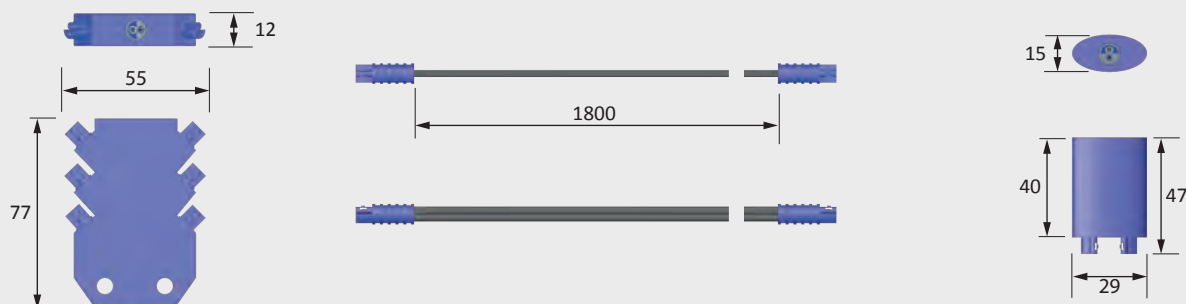
### Technical details in brief



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

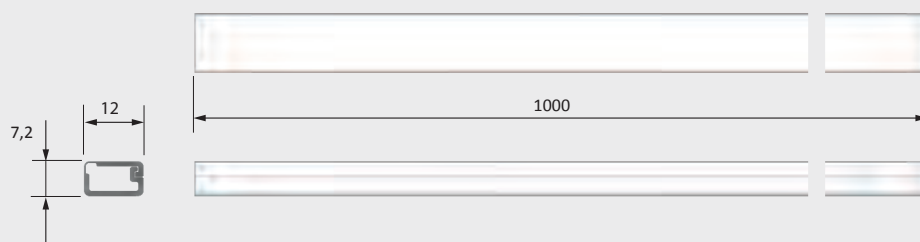


|                 |            |
|-----------------|------------|
| Type:           | Cable duct |
| Surface finish: | white      |
| Length:         | 1000 mm    |
| Width:          | 12 mm      |
| Height:         | 7.2 mm     |

### 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

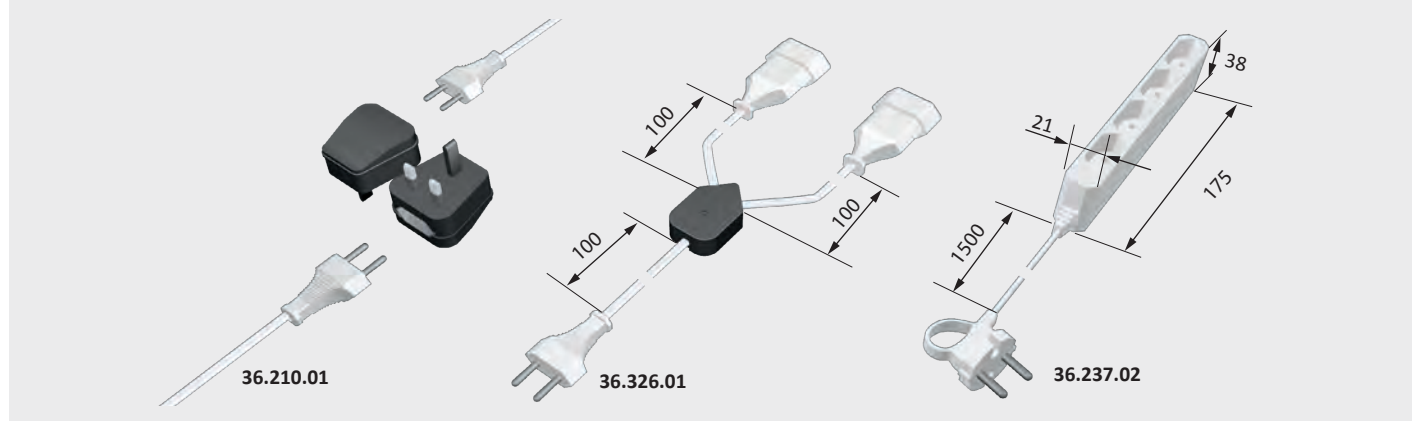
| Article   | Order no. |
|---|-----------|
| UK adapter plug for flat Euro plug  | 36 210 01 |
| 2-way distributor for flat Euro plug                                      | 36 326 01 |
| 4-way distributor for flat Euro plug (for X-Mitter with Schuko plug only) | 36 237 02 |

### 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

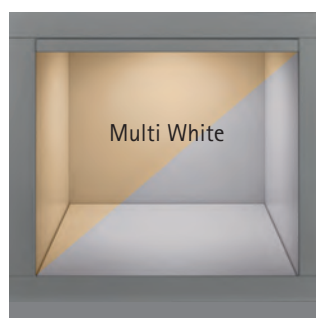
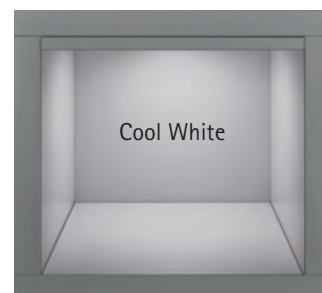
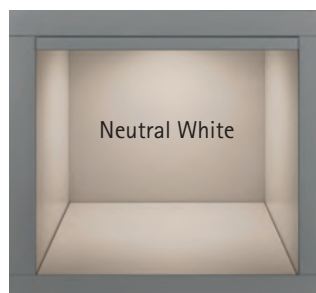
Lux, lumen and Kelvin; warm, cool and neutral white – although the terminology of lighting technology is all around us, it is not always transparent. We would like to bring light into the dark with a few explanations.

#### ► 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

|                 |   |
|-----------------|---|
| <b>XW</b><br>Ix | Extra Warm White<br>2500 – 2800 K<br>Display lighting, e.g. in bakeries |
| <b>WW</b><br>Ix | Warm White<br>2900 – 3300 K<br>Cosy, relaxing                           |
| <b>NW</b><br>Ix | Neutral White<br>4000 – 4500 K<br>Functional                            |
| <b>CW</b><br>Ix | Cool White<br>5000 – 6500 K<br>Like daylight, technical, stimulating    |
| <b>MW</b><br>Ix | MultiWhite 2900 – 6500 K<br>White, adjustable from<br>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

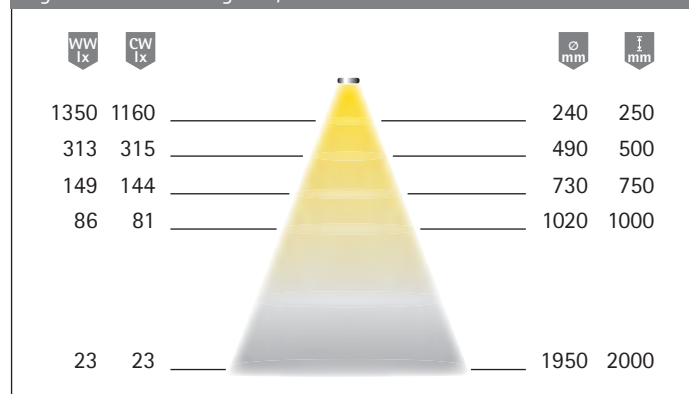
Luminous flux is defined as the quantity of energy of the light emitted by a source. The unit of luminous flux is lumen (lm).

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





| Order no. | Page | Order no. | Page | Order no. | Page | Order no. | Page | Order no. | Page | Order no. | Page |
|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| 18 238 03 | 146  | 30 585 04 | 190  | 32 144 39 | 104  | 32 983 53 | 42   | 36 305 01 | 40   | 55 126 01 | 134  |
| 18 491 10 | 130  | 30 586 01 | 188  | 32 146 03 | 116  | 34 149 01 | 124  | 36 306 01 | 40   | 55 146 08 | 132  |
| 18 720 01 | 130  | 30 587 01 | 190  | 32 146 13 | 116  | 34 172 16 | 138  | 36 307 01 | 36   | 55 152 08 | 132  |
| 18 720 81 | 130  | 30 588 01 | 158  | 32 149 06 | 118  | 34 183 07 | 122  | 36 308 01 | 36   | 55 168 01 | 134  |
| 19 972 06 | 154  | 30 589 01 | 158  | 32 149 16 | 118  | 34 191 07 | 122  | 36 308 02 | 36   | 55 168 02 | 134  |
| 25 175 02 | 98   | 30 590 01 | 158  | 32 150 01 | 98   | 34 200 07 | 122  | 36 309 01 | 36   | 55 168 03 | 134  |
| 25 175 04 | 98   | 30 638 01 | 148  | 32 150 11 | 98   | 34 203 06 | 112  | 36 311 04 | 64   | 55 168 04 | 134  |
| 25 175 09 | 98   | 30 642 01 | 146  | 32 151 06 | 94   | 34 203 07 | 112  | 36 312 04 | 64   | 55 168 05 | 134  |
| 25 175 16 | 98   | 30 648 01 | 150  | 32 151 16 | 94   | 34 203 16 | 112  | 36 313 04 | 64   | 55 168 06 | 134  |
| 25 175 26 | 98   | 30 764 01 | 146  | 32 153 06 | 108  | 34 203 17 | 112  | 36 321 01 | 82   | 55 168 07 | 134  |
| 25 395 01 | 82   | 30 764 02 | 146  | 32 153 09 | 108  | 34 204 07 | 114  | 36 322 01 | 82   | 55 168 08 | 134  |
| 25 395 06 | 82   | 30 765 01 | 154  | 32 153 16 | 108  | 34 204 17 | 114  | 36 323 01 | 82   | 55 168 09 | 134  |
| 25 399 01 | 82   | 30 766 01 | 154  | 32 153 19 | 108  | 34 205 07 | 114  | 36 326 01 | 195  | 55 168 10 | 134  |
| 25 399 06 | 82   | 30 767 51 | 146  | 32 153 56 | 108  | 34 205 17 | 114  | 36 327 01 | 46   | 55 600 01 | 40   |
| 25 399 09 | 82   | 30 770 01 | 166  | 32 153 59 | 108  | 34 206 07 | 114  | 36 328 01 | 46   | 55 600 11 | 40   |
| 25 536 01 | 71   | 30 771 01 | 166  | 32 153 66 | 108  | 34 206 17 | 114  | 36 329 01 | 46   | 55 601 01 | 40   |
| 25 554 01 | 74   | 30 772 01 | 164  | 32 153 69 | 108  | 34 617 07 | 114  | 36 330 01 | 58   | 55 601 11 | 40   |
| 25 556 01 | 75   | 30 773 01 | 162  | 32 238 01 | 82   | 34 617 17 | 114  | 36 330 02 | 46   | 55 602 01 | 40   |
| 25 559 01 | 76   | 30 774 01 | 162  | 32 238 06 | 82   | 34 618 07 | 114  | 36 334 01 | 46   | 55 602 11 | 40   |
| 25 563 01 | 73   | 30 775 01 | 168  | 32 238 11 | 82   | 34 618 17 | 114  | 36 335 01 | 46   | 55 603 01 | 40   |
| 25 567 01 | 68   | 30 776 01 | 162  | 32 238 16 | 82   | 34 619 07 | 114  | 36 336 01 | 46   | 55 603 11 | 40   |
| 25 568 01 | 70   | 30 777 01 | 162  | 32 341 06 | 106  | 34 619 17 | 114  | 36 743 03 | 192  | 55 604 01 | 40   |
| 25 569 01 | 71   | 30 918 05 | 64   | 32 341 09 | 106  | 36 122 07 | 192  | 36 768 01 | 192  | 55 604 11 | 40   |
| 25 570 01 | 72   | 30 922 05 | 156  | 32 341 16 | 106  | 36 122 11 | 64   | 36 770 21 | 64   | 55 641 13 | 78   |
| 25 571 01 | 77   | 30 923 05 | 64   | 32 341 19 | 106  | 36 125 01 | 192  | 36 800 21 | 64   | 55 650 01 | 36   |
| 25 607 01 | 75   | 30 924 05 | 156  | 32 903 01 | 90   | 36 151 06 | 90   | 36 852 01 | 192  | 55 650 02 | 36   |
| 30 017 11 | 190  | 30 925 05 | 156  | 32 903 11 | 90   | 36 177 01 | 193  | 36 972 11 | 136  | 55 650 03 | 36   |
| 30 026 01 | 126  | 30 954 02 | 172  | 32 918 06 | 92   | 36 209 01 | 84   | 36 974 81 | 180  | 55 650 11 | 36   |
| 30 050 01 | 182  | 30 996 17 | 188  | 32 918 16 | 92   | 36 209 09 | 84   | 36 975 02 | 136  | 55 650 12 | 36   |
| 30 052 02 | 182  | 30 998 01 | 188  | 32 962 17 | 110  | 36 210 01 | 195  | 36 996 01 | 193  | 55 650 13 | 36   |
| 30 115 01 | 188  | 31 002 07 | 188  | 32 977 06 | 100  | 36 218 01 | 180  | 36 997 09 | 96   | 55 650 41 | 36   |
| 30 177 01 | 152  | 31 016 01 | 188  | 32 977 16 | 100  | 36 229 01 | 36   | 38 258 26 | 126  | 55 650 42 | 36   |
| 30 178 01 | 174  | 31 017 01 | 190  | 32 978 06 | 102  | 36 236 06 | 104  | 38 817 02 | 68   | 55 650 43 | 36   |
| 30 179 01 | 146  | 31 018 01 | 188  | 32 978 16 | 102  | 36 236 09 | 104  | 38 817 03 | 68   | 55 651 01 | 38   |
| 30 226 02 | 188  | 32 031 09 | 86   | 32 983 01 | 42   | 36 237 02 | 195  | 38 817 12 | 68   | 55 651 02 | 38   |
| 30 263 03 | 64   | 32 031 19 | 86   | 32 983 02 | 42   | 36 238 01 | 194  | 38 970 01 | 140  | 55 651 03 | 38   |
| 30 263 07 | 156  | 32 031 39 | 86   | 32 983 03 | 42   | 36 240 06 | 106  | 39 340 21 | 188  | 55 651 11 | 38   |
| 30 263 08 | 156  | 32 063 09 | 96   | 32 983 04 | 42   | 36 240 09 | 106  | 39 340 22 | 188  | 55 651 12 | 38   |
| 30 481 01 | 154  | 32 063 19 | 96   | 32 983 05 | 42   | 36 241 01 | 180  | 39 340 27 | 188  | 55 651 13 | 38   |
| 30 529 01 | 186  | 32 063 31 | 96   | 32 983 06 | 42   | 36 241 06 | 180  | 39 422 51 | 193  | 55 659 01 | 64   |
| 30 538 01 | 176  | 32 066 31 | 98   | 32 983 07 | 42   | 36 241 09 | 180  | 40 878 03 | 142  | 55 660 01 | 70   |
| 30 563 03 | 186  | 32 144 06 | 104  | 32 983 08 | 42   | 36 242 01 | 79   | 40 878 06 | 142  | 55 660 02 | 70   |
| 30 574 02 | 181  | 32 144 09 | 104  | 32 983 09 | 42   | 36 243 01 | 79   | 55 019 02 | 128  | 55 660 13 | 70   |
| 30 575 01 | 178  | 32 144 16 | 104  | 32 983 10 | 42   | 36 244 06 | 108  | 55 112 01 | 134  | 55 660 14 | 70   |
| 30 578 01 | 170  | 32 144 19 | 104  | 32 983 51 | 42   | 36 244 09 | 108  | 55 124 01 | 134  | 55 661 01 | 71   |
| 30 580 01 | 179  | 32 144 36 | 104  | 32 983 52 | 42   | 36 304 02 | 40   | 55 125 01 | 134  | 55 661 02 | 71   |



| Order no. | Page | Order no. | Page | Order no. | Page | Order no. | Page |
|-----------|------|-----------|------|-----------|------|-----------|------|
| 55 661 05 | 71   | 55 709 11 | 84   | 55 804 33 | 50   | 55 810 41 | 60   |
| 55 661 06 | 71   | 55 709 19 | 84   | 55 805 01 | 56   | 55 810 42 | 60   |
| 55 661 11 | 71   | 55 710 01 | 88   | 55 805 02 | 56   | 55 810 43 | 60   |
| 55 661 12 | 71   | 55 710 06 | 88   | 55 805 03 | 56   | 55 811 01 | 52   |
| 55 661 15 | 71   | 55 710 11 | 88   | 55 805 11 | 56   | 55 811 03 | 52   |
| 55 661 16 | 71   | 55 710 16 | 88   | 55 805 12 | 56   | 55 811 11 | 52   |
| 55 662 01 | 72   | 55 715 11 | 77   | 55 805 13 | 56   | 55 811 13 | 52   |
| 55 662 02 | 72   | 55 715 12 | 77   | 55 805 21 | 56   | 55 811 21 | 52   |
| 55 662 05 | 72   | 55 715 13 | 77   | 55 805 22 | 56   | 55 811 23 | 52   |
| 55 662 06 | 72   | 55 715 14 | 77   | 55 805 23 | 56   | 55 811 41 | 52   |
| 55 662 11 | 72   | 55 716 11 | 69   | 55 805 41 | 56   | 55 811 43 | 52   |
| 55 662 12 | 72   | 55 716 12 | 69   | 55 805 42 | 56   | 55 812 01 | 54   |
| 55 662 15 | 72   | 55 716 13 | 69   | 55 805 43 | 56   | 55 812 03 | 54   |
| 55 662 16 | 72   | 55 716 14 | 69   | 55 806 31 | 56   | 55 812 11 | 54   |
| 55 664 01 | 78   | 55 800 01 | 46   | 55 806 33 | 56   | 55 812 13 | 54   |
| 55 664 02 | 78   | 55 800 02 | 46   | 55 807 01 | 58   | 55 812 21 | 54   |
| 55 704 01 | 74   | 55 800 03 | 46   | 55 807 04 | 58   | 55 812 23 | 54   |
| 55 704 02 | 74   | 55 800 11 | 46   | 55 807 11 | 58   | 55 812 41 | 54   |
| 55 704 03 | 74   | 55 800 12 | 46   | 55 807 14 | 58   | 55 812 43 | 54   |
| 55 704 04 | 74   | 55 800 13 | 46   | 55 807 21 | 58   | 55 815 01 | 62   |
| 55 704 11 | 74   | 55 800 21 | 46   | 55 807 24 | 58   | 55 815 02 | 62   |
| 55 704 12 | 74   | 55 800 22 | 46   | 55 807 41 | 58   | 55 815 10 | 62   |
| 55 704 13 | 74   | 55 800 23 | 46   | 55 807 44 | 58   | 55 815 11 | 62   |
| 55 704 14 | 74   | 55 800 41 | 46   | 55 808 31 | 58   | 55 815 20 | 62   |
| 55 705 01 | 75   | 55 800 42 | 46   | 55 808 34 | 58   | 55 815 21 | 62   |
| 55 705 02 | 75   | 55 800 43 | 46   | 55 809 01 | 58   | 55 815 40 | 62   |
| 55 705 03 | 75   | 55 801 01 | 48   | 55 809 02 | 58   | 55 815 41 | 62   |
| 55 705 04 | 75   | 55 801 02 | 48   | 55 809 03 | 58   |           |      |
| 55 705 11 | 75   | 55 801 03 | 48   | 55 809 11 | 58   |           |      |
| 55 705 12 | 75   | 55 801 11 | 48   | 55 809 12 | 58   |           |      |
| 55 705 13 | 75   | 55 801 12 | 48   | 55 809 13 | 58   |           |      |
| 55 705 14 | 75   | 55 801 13 | 48   | 55 809 21 | 58   |           |      |
| 55 706 01 | 76   | 55 801 21 | 48   | 55 809 22 | 58   |           |      |
| 55 706 02 | 76   | 55 801 22 | 48   | 55 809 23 | 58   |           |      |
| 55 706 03 | 76   | 55 801 23 | 48   | 55 809 41 | 58   |           |      |
| 55 706 04 | 76   | 55 801 41 | 48   | 55 809 42 | 58   |           |      |
| 55 707 01 | 73   | 55 801 42 | 48   | 55 809 43 | 58   |           |      |
| 55 707 02 | 73   | 55 801 43 | 48   | 55 810 01 | 60   |           |      |
| 55 707 03 | 73   | 55 802 31 | 48   | 55 810 02 | 60   |           |      |
| 55 707 04 | 73   | 55 802 33 | 48   | 55 810 03 | 60   |           |      |
| 55 707 11 | 73   | 55 803 02 | 50   | 55 810 11 | 60   |           |      |
| 55 707 12 | 73   | 55 803 03 | 50   | 55 810 12 | 60   |           |      |
| 55 707 13 | 73   | 55 803 12 | 50   | 55 810 13 | 60   |           |      |
| 55 707 14 | 73   | 55 803 13 | 50   | 55 810 21 | 60   |           |      |
| 55 709 01 | 84   | 55 803 22 | 50   | 55 810 22 | 60   |           |      |
| 55 709 09 | 84   | 55 803 23 | 50   | 55 810 23 | 60   |           |      |



**A**

AlphaLite 128  
 AlphaLite charger with USB socket 126  
 AppMitter 170

**B**

Ballast 12 V DC 186  
 Ballast 24 V DC 190

**C**

Cables 12 V DC 192  
 Cables 24 V DC 193  
 ChannelLine A 68  
 ChannelLine A 68  
 ChannelLine A 68  
 ChannelLine B 70  
 ChannelLine C 71  
 ChannelLine D 72  
 ChannelLine installation springs 71  
 ChannelLine F 78  
 ChannelLine G 74  
 ChannelLine H 76  
 ChannelLine I 73  
 ChannelLine J 77  
 ChannelLine K 69  
 ChannelLine sensor 79

**D**

Dimmer module 179  
 Dimmer 176  
 Dimmer angle element 178

**E**

Eco Power 106  
 Eco Power L 104  
 EcoSpot 108

**F**

FineLite 42

**G**

Glass edge profiles 154  
 GlasLine 130

**I**

Ice 124  
 InnoLine Plus 134  
 Infrared Repeater Plus 182

**H**

HV Downlite 82

**L**

Leads 12 V DC 192  
 Leads 24 V DC 193  
 Leads MultiColor 64  
 LiteLine Basic LEDs 40  
 LiteLine Basic accessories 40  
 LitePipe 132  
 LuckyLine 136  
 LuckyLite Pro 126

**M**

MagicSwitch 172  
 MiniFlat 94  
 Motion sensors 148  
 MultiLite Flood 98  
 MultiLite MultiWhite 98  
 Multiswitch motion sensors 148  
 Multiswitch infrared 146  
 Multiswitch switches/dimmers 150  
 Multiswitch touch dimmers 152  
 Multiswitch accessories 146  
 MultiWhite Basic Control 168  
 MultiWhite receiver 162

**P**

PanelLite 138  
 Point 110  
 PowerLite Plus 96  
 PowerSquare 112

**Q**

QuadroPoint 140

**R**

Rocker switch 180

**S**

S-Dot 118  
 S-Flat 92  
 S-Mitter 156  
 S-Mitter Basic MultiWhite wireless kit 164  
 S-Mitter hand-held transmitter 156  
 S-Mitter MultiColor 64  
 S-Mitter MultiColor accessories 64

**S**

S-Mitter MultiWhite wireless kit 162  
 Sign Plus 100  
 Sign Plus square 102  
 Slim Line up 122  
 Star Point 116  
 Super Spot eco 86  
 SuperSpot 84  
 SuperStripe 38  
 SuperStripe Plus 36  
 SuperStripe accessories 36  
 SuperSwing 88  
 SwanLite 142  
 Swing 90

**T**

Touch dimmer 174  
 Touchless switches 146, 172  
 Tri-Mitter 158  
 Tri-Mitter MultiWhite wireless transmitter 166  
 Tri-Mitter MultiWhite wireless kit 166

**U**

UK plug adapter 195  
 USB flush double socket 181

**V**

Versa Inside 120 58  
 Versa Inside 120 HighPower 60  
 Versa Inside 30 46  
 Versa Inside 60 48  
 Versa Inside 90 56  
 Versa Inside MultiColor 64  
 Versa Plus 60 50  
 Versa Sideview 60 52  
 Versa SuperPlus 62  
 Versa up&down 54

**X**

X-Mitter 154



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