

magic

by HALEMEIER





Worlds of light

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Simply. Perfect. Solutions.

The brand **magic** by HALEMEIER is the light for professional furniture construction. For more than 25 years we have been setting standards in innovation, service and design. The requirements of our customers motivate us to exceed ourselves again and again. We develop individual solutions for your diverse requirements.

Our in-house laboratory guarantees all relevant certifications for your products. It goes without saying that our LED technology is state-of-the-art. Another decisive advantage is the complete compatibility of all components of our product range.

Fast and easy handling of the components allows you to fully concentrate on your core tasks: The development and design of new furniture.

Partnership, loyalty and trust are basic values that we try to bring into practice every day.

Let us inspire you!
it's **magic**



Steffen Rumler, Managing Director

Sven Lubahn, R&D

Ralf Köhne, Sales

Simply close to the customer

Only together with our customers, employees and suppliers, can we be successful in the long term - simple as that!

Designing and implementing practical, innovative solutions that meet our customers' needs is what drives us every day.

Listen, ask, understand. We always find a solution to every challenge, to get better and better together.

Individual solutions Plug-and-play compatibility of all components. Unlimited combination possibilities. No electro-technical expertise required.

To make yourself Meter and roll goods to combine independently. Precisely cut to size. No loss of material.

In-house development Products are designed, developed and tested in-house. The result is the highest quality 'Engineered in Germany'.

Special solutions Halemeier as a development partner for OEM products. Do you have ideas for new solutions? Let us build your lights according to your wishes.

Consulting Your customers have bigger plans for you. Involve us at an early stage to put your future projects on a technically sound foundation.

Quick service for the hardware trade For an additional charge we offer shipping on the day of order, Monday - Thursday until 4 pm, Friday until 12 noon.

Sustainability Our products comply with the strict Ecodesign Directive of the European Union. The use of the latest generation of components guarantees you continuous improvements in efficiency.

5 years warranty* We are absolutely sure of the quality of our products. Use our guarantee to pass on this confidence to your customers. **on selected luminaires*

Own test laboratory Always on the safe side. Our in-house test laboratory guarantees all relevant certifications.

Trainings Simply perfectly prepared. We offer beginner and expert courses, either at your company or at our premises. In German and English.

Clean lines.

magic shows your furniture
in their best light.

Simple. Functional. Decorative.



Feel-good factor.

magic embellishes the interior
and makes your clothes shine on stage.
Simple. Surprising. Perfect.



A feast for the eyes.
Individual, classic, modern
or rustic **magic** is at home in
any style.
Simple. Enjoyable. Beautiful.

Pure happiness.

For the special moments
everyday. **magic** transforms your
bathroom into a wellness oasis.

Simple. Relaxed. Harmonious.





KitchenLine
Page 32

12 V



HandleLine
Page 34

12 V



FineLite
Page 36

12 V



Versa Inside 160
Page 46

12 V



Versa Inside 160
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24 V
MP



Versa Inside 233 HP
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24 V
MP



Versa Super Plus
Page 58

24 V
MP



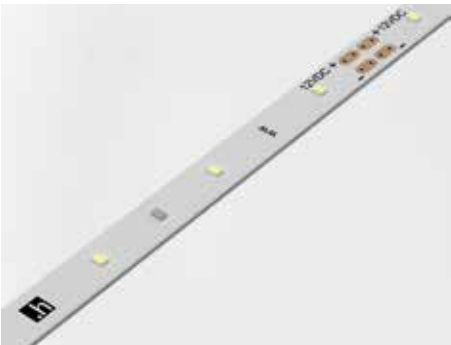
Versa Super Plus Mini
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12 V



Versa Inside MultiColor
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24 V
MP



Versa Inside 40
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Versa Inside 80
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12 V



Versa Inside 120
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12 V



Versa Linear
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12 V



Versa Plus 80
Page 54

12 V



Versa Up&Down 80
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12 V



Versa Inside MaxiColor
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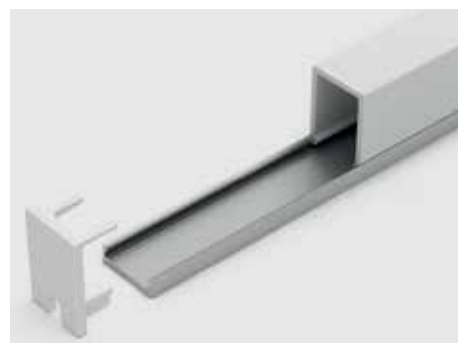
24 V
MP

All lights can be cut to size



Light can be made to measure

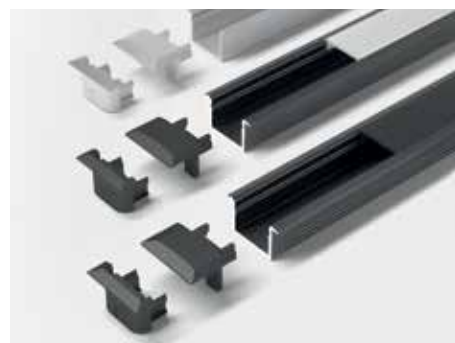
All lights can be cut to size



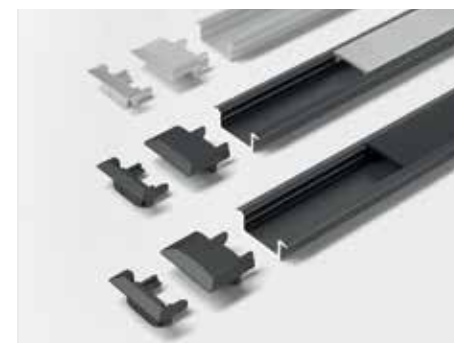
ChannelLine A
Page 72



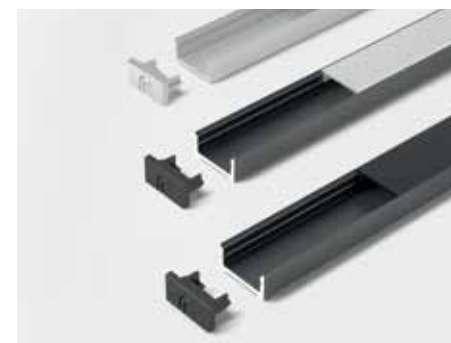
ChannelLine K
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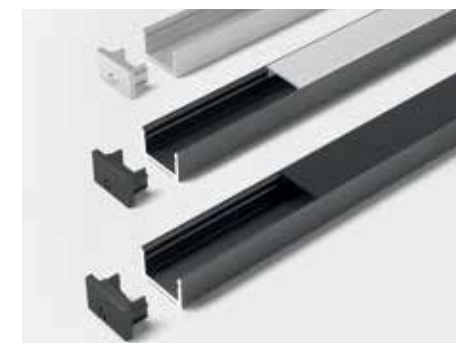
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Channelline C
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Channelline D
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ChannelLine D2
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ChannelLine i
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ChannelLine i2
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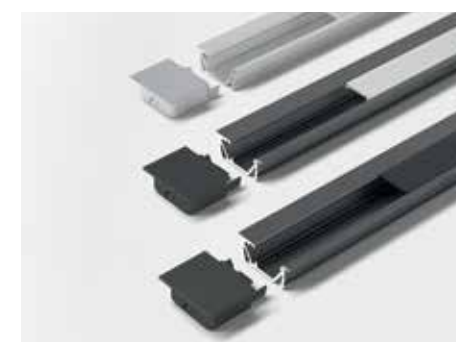
ChannelLine i3
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Channelline L
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Channelline G1
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Channelline G2
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ChannelLine H
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ChannelLine F
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ChannelLine M
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Channelline N
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Channelline Sensor
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Channelline Sensor PIR
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All lights can be cut to size

All lights can be cut to size



SuperSpot eco Ø 78 mm
Page 92

12 V



SuperSwing Ø 68 mm
Page 94

12 V



LitePanel 68 Ø 68 mm
Page 96

12 V



AddLite
Page 104

12 V



EcoPower L Ø 68 mm
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12 V



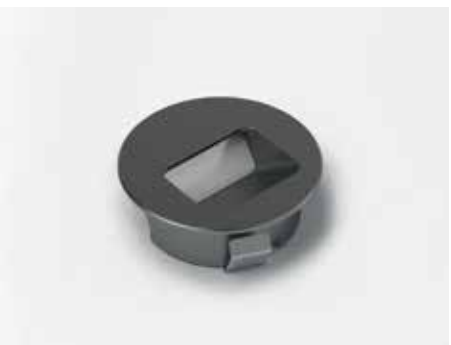
EcoPower Flood Ø 58 mm
Page 108

12 V



SuperDot Ø 35 mm
Page 116

12 V



SideSpot Ø 35 mm
Page 118

12 V



Swing Ø 68 mm
Page 98

12 V



MultiLite Flood Ø 58 mm
Page 100

12 V



PowerLite Plus Ø 58 mm
Page 102

12 V



Eco Spot Ø 58 mm
Page 110

12 V



Move Spot Ø 40 mm
Page 112

12 V



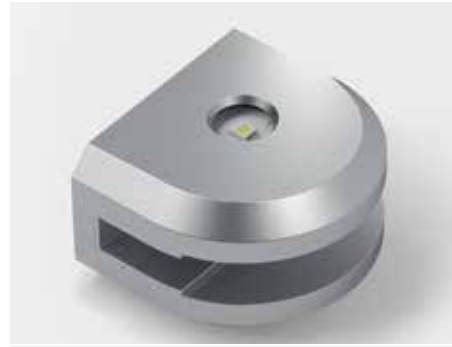
StarPoint Flood Ø 30 mm
Page 114

12 V



SlimLine
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12 V



Ice
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12 V



LuckyLite Pro
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12 V



LitePipe
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12 V



InnoLine Plus
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12 V



LuckyLine
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12 V



QuadroPoint square
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12 V



SwanLite
Page 136

12 V



Miles
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12 V



X-Mitter
Page 144

230 V 24 V MP 12 V



S-Mitter
Page 146

230 V 24 V MP 12 V



4-Mitter
Page 148

230 V 24 V MP 12 V



S-Mitter MultiWhite
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12 V



S-Mitter Basic MultiWhite
Page 154

12 V



Wall switch Smart
Page 156

12 V



BasicControl MultiWhite
Page 158

12 V



MultiSwitch² Contact
Page 162

230 V 24 V MP 12 V



MultiSwitch² Magnet
Page 164

230 V 24 V MP 12 V



Products are Zigbee compatible



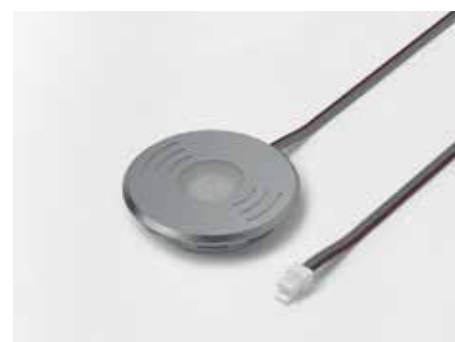
MultiSwitch² PIR
Page 166

230 V 24 V MP 12 V



MultiSwitch² push button
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230 V 24 V MP 12 V



MultiSwitch² Touch
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230 V 24 V MP 12 V



Repeater
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24 V MP 12 V



Magnet insert switch
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230 V 24 V MP 12 V



MagicSwitch
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230 V



MagicSwitch Linear
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IR Door Switch
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LED Dimmer
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LED Touch
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LED motion sensor
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Dimming module 1-10 V / Dali
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24 V MP 12 V



Dimmer angle element
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12 V



Mains-voltage rocker switch
Page 184

230 V



LED rocker switch
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12 V



Infrared Repeater Plus
Page 186

12 V



Electronic ballasts 12 Volt DC
Page 190

12 V



Plug in ballasts 12 Volt DC
Page 192

12 V



Wide range ballast 12 Volt DC
Page 193

12 V



USB socket
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12 V



LitePac
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12 V



Cable duct
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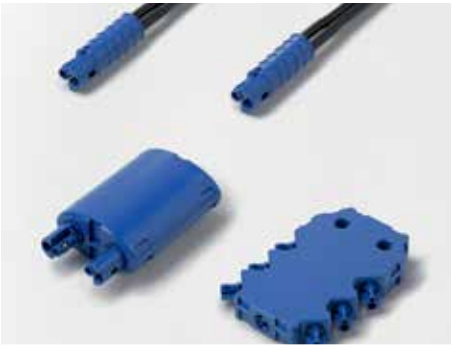
Electronic ballasts 24 Volt DC
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24 V
MP



Leads 12 Volt DC
Page 196

12 V



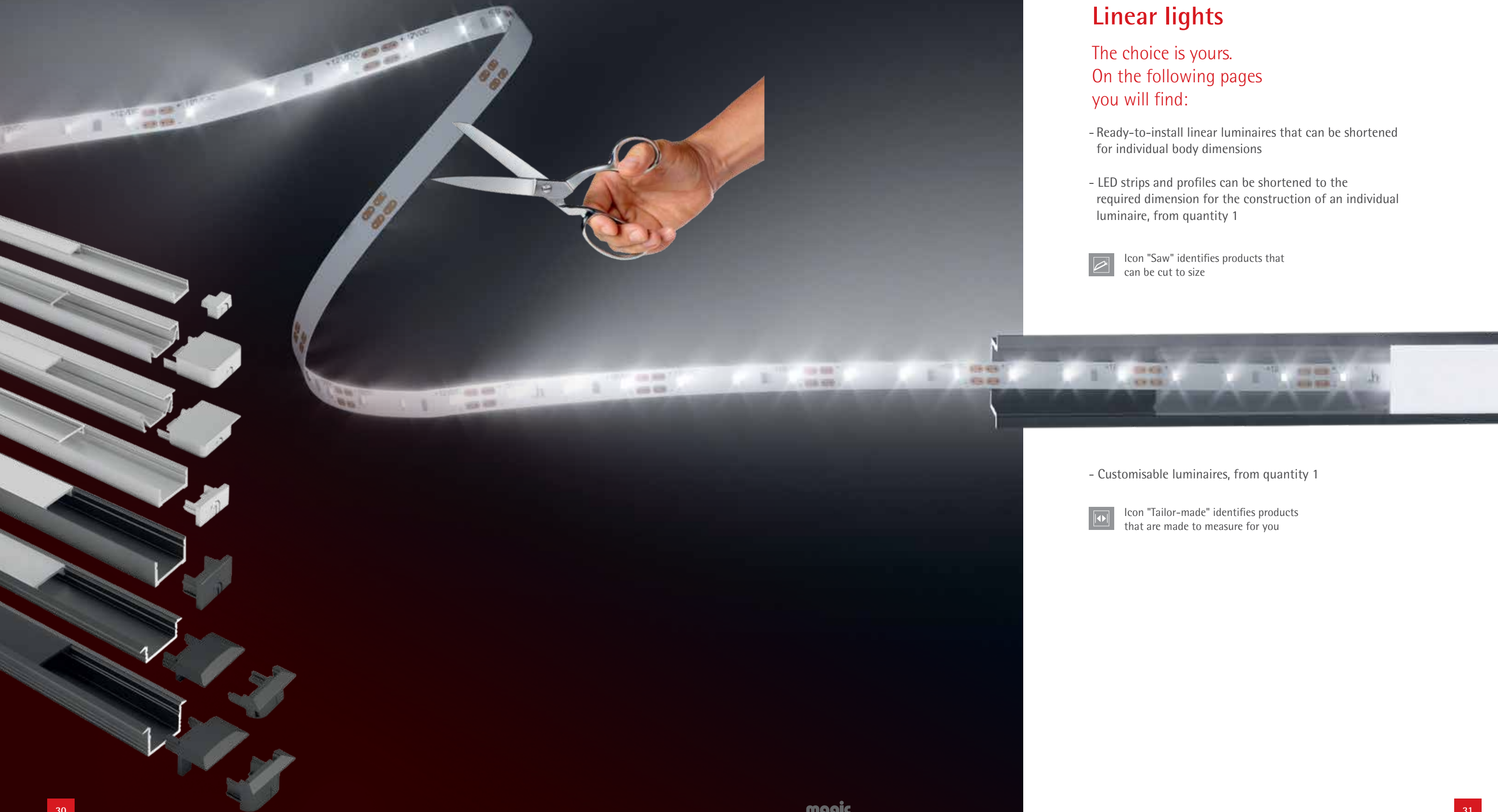
Leads 24 Volt DC
Page 197

24 V
MP



HV adapters / distributors
Page 201

230 V



Linear lights

The choice is yours.
On the following pages
you will find:

- Ready-to-install linear luminaires that can be shortened for individual body dimensions
- LED strips and profiles can be shortened to the required dimension for the construction of an individual luminaire, from quantity 1



Icon "Saw" identifies products that can be cut to size

- Customisable luminaires, from quantity 1



Icon "Tailor-made" identifies products that are made to measure for you



KitchenLine

Advantages

- Bright recessed LED luminaire
- Uniform illumination without dark zones
- Can be individually cut to size

Features

- No visible LED dots
- With direct connection to an electronic ballast, the light colour is XtraWarmWhite (2700K)

Examples of use

- Niches
- Shelves
- Top floors

Order information

- Other variants on request
- When shortening the luminaire, an additional end cap may be required

KitchenLine

	Black	STS
267 mm (4.3 W)	32 253 31	32 243 31
317 mm (5.0 W)	32 253 32	32 243 32
367 mm (6.1 W)	32 253 33	32 243 33
417 mm (6.8 W)	32 253 34	32 243 34
467 mm (7.9 W)	32 253 35	32 243 35
517 mm (8.6 W)	32 253 41	32 243 41
567 mm (9.7 W)	32 253 36	32 243 36
767 mm (13.3 W)	32 253 37	32 243 37
867 mm (15.1 W)	32 253 38	32 243 38
967 mm (16.9 W)	32 253 39	32 243 39
1167 mm (20.5 W)	32 253 40	32 243 40

Accessories*

S-Mitter Basic MultiWhite Smart Set**	31 123 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
End cap, black	25 749 15
End cap, stainless steel look (STS)	25 749 11

* Further accessories in section Switch systems
** MultiWhite accessories required

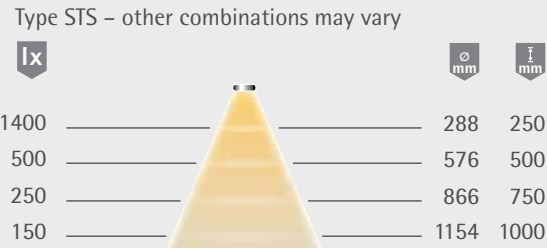
Technical details



Luminaire type: LED recessed light
Type of lighting: Functional lighting
Surface finish: Stainless steel look/ black
Operating voltage: 12 V DC
Light colour: MultiWhite
Colour rendering: Ra >90; R9 >60
Luminous flux: 720 lm/m
Luminaire efficiency: 40 lm/W
Light source efficiency: 100 lm/W
Life span: 40,000 h (L70)
Power consumption: see ordering chart
Dimmable: Yes/PWM/Smart.home
Beam angle: 90°
Half value angle: 60°
Test mark and symbols: CE, RoHS, Energy Star, ENEC
Protection class: IP 20
Supply lead: 1800 mm
Plug connector: LED mini
M1 plug connector
LED ballast
MultiWhite control

Connection to:

Light distribution diagram 60°

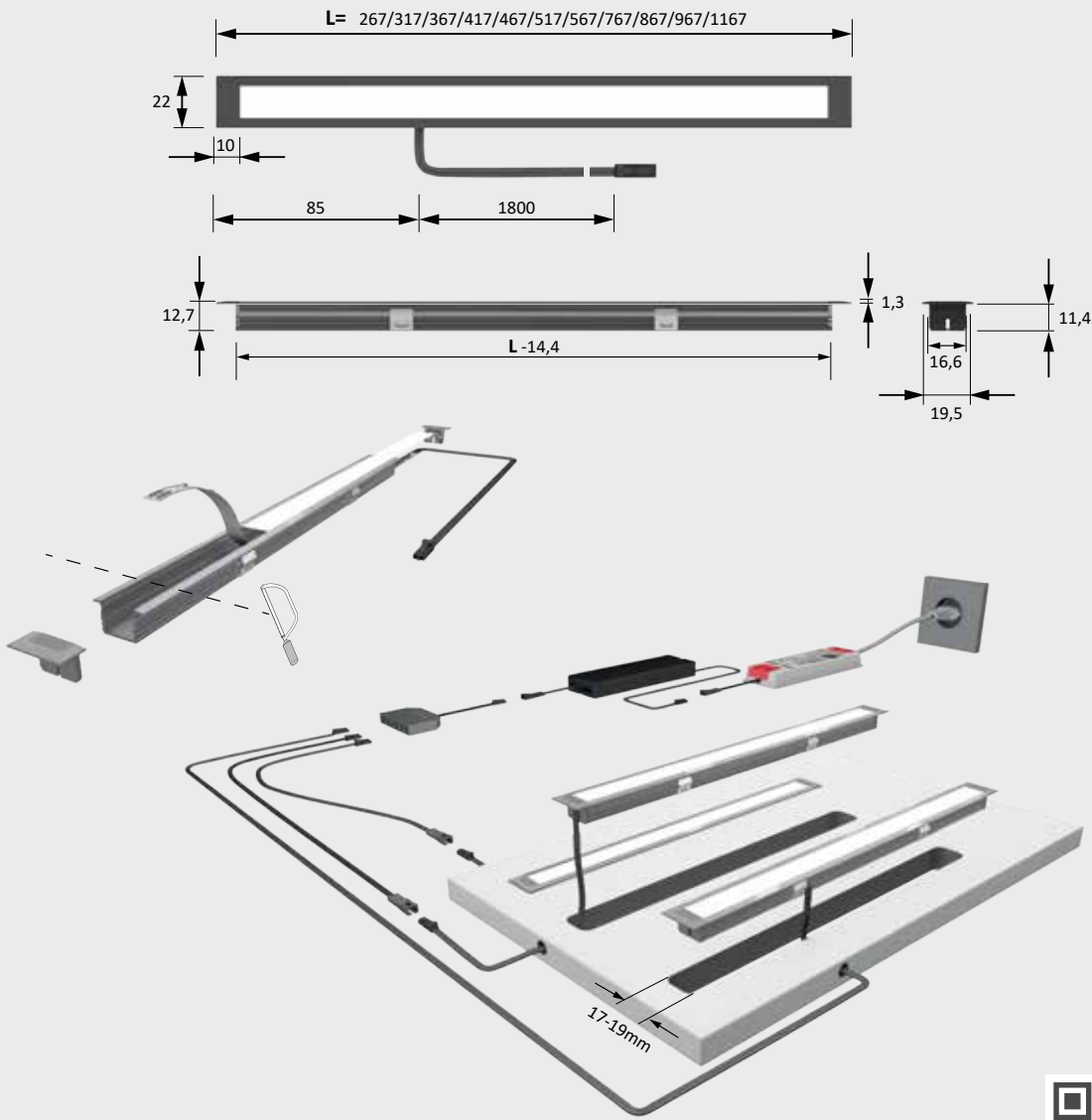


Light box



Dimensional drawing / installation

Can be individually cut to size





Linear lights

HandleLine

Advantages

- High-quality aluminium profile light
- Can be individually cut to size
- Handle strip and niche lighting in one Profile combined

Features

- Fits perfectly on 16 mm floors and walls
- When connected directly to an electronic ballast, the light colour is XtraWarmWhite (2700K)

Examples of use

- Handleless fronts in the kitchen
- Wall cabinet with door

HandleLine

	STS / Opal	Black / Opal	Black / Black
267 mm (2.4 W)	55 753 01	55 753 11	55 753 21
317 mm (2.9 W)	55 753 08	55 753 18	55 753 28
367 mm (3.4 W)	55 753 09	55 753 19	55 753 29
417 mm (3.9 W)	55 753 02	55 753 12	55 753 22
467 mm (4.4 W)	55 753 03	55 753 13	55 753 23
567 mm (5.3 W)	55 753 04	55 753 14	55 753 24
867 mm (8.2 W)	55 753 05	55 753 15	55 753 25
967 mm (9.2 W)	55 753 06	55 753 16	55 753 26
1167 mm (11.1 W)	55 753 07	55 753 17	55 753 27

Accessories*

S-Mitter Basic MultiWhite Smart Set**	31 123 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

* Further accessories in section Switch systems

** MultiWhite accessories required

Technical details

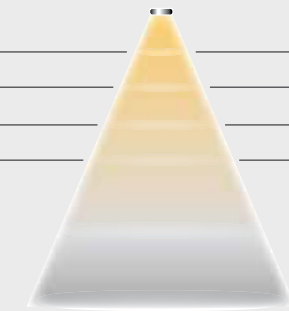


Luminaire type:	LED recessed light
Type of lighting:	Functional lighting
Surface finish:	Stainless steel look/Black
Operating voltage:	12 V DC
Light colour:	MultiWhite
Colour rendering:	RA >90; R9 >60
Luminous flux:	560 lm/m
Luminaire efficiency:	60 lm/W
Light source efficiency:	90 lm/W
Life span:	40,000 h (L70)
Power consumption:	see ordering chart
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test marks and symbols:	CE, RoHS, WEEE, Energy Star
Protection class:	IP 20
Supply lead:	1900 mm
Plug connector:	LED mini
Connection to:	M1 plug connector LED ballast MultiWhite control unit

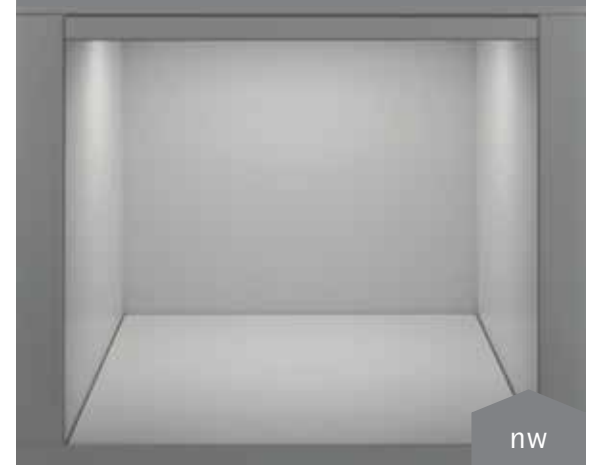
Light distribution diagram 60°

Type STS/Opal – other combinations may vary

lx	∅ mm	h mm
1200	288	250
400	576	500
190	866	750
100	1154	1000

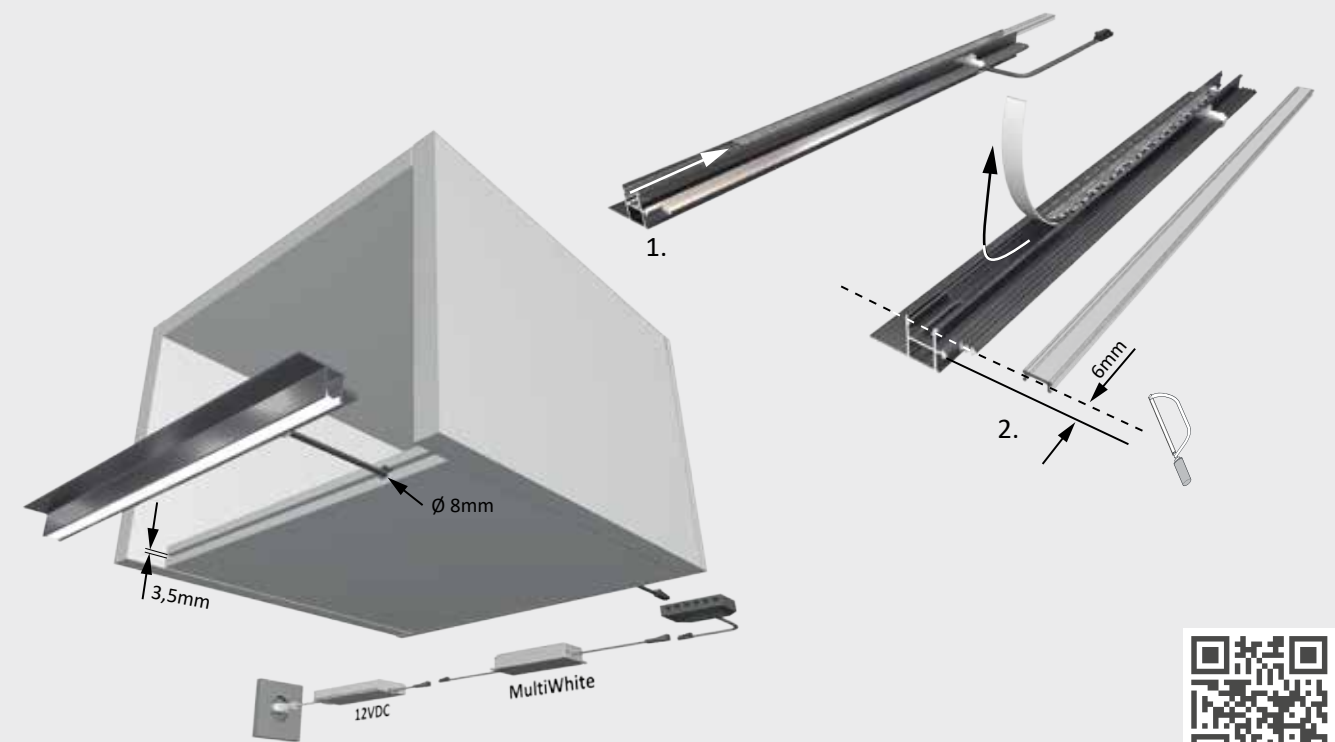
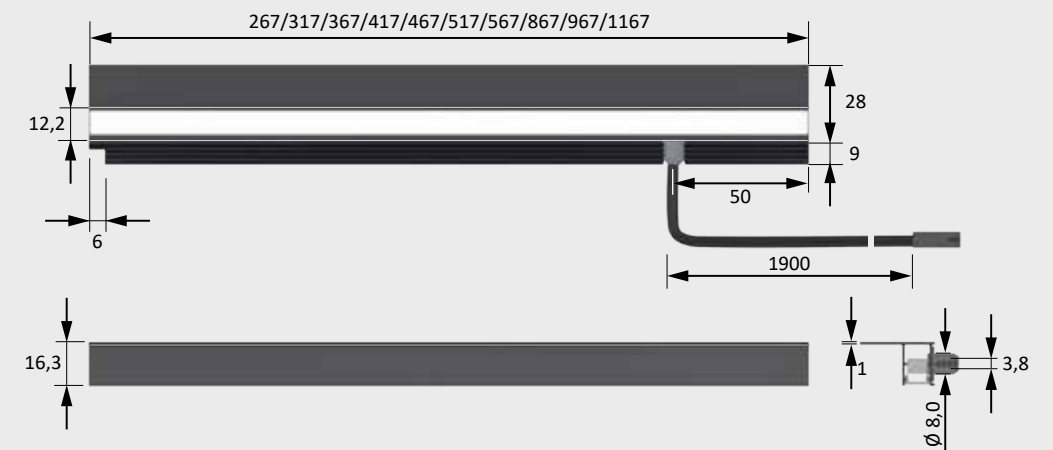


Light box



Dimensional drawing / installation

Can be individually cut to size



Linear lights



FineLite

- Advantages
- Filigree LED recessed light
 - Can be individually cut to size
 - 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

Order information

- When shortening the luminaire, an additional end cap is required
- For cut-to-measure lengths, please specify the exact length alongside the order number!

FineLite	WarmWhite	NeutralWhite
400 mm (3.4 W)	32 180 51	32 983 51
550 mm (5.4 W)	32 180 52	32 983 52
850 mm (8.4 W)	32 180 53	32 983 53
200 – 300 mm (max. 2.4 W)*	32 180 01	32 983 01
301 – 400 mm (max. 3.4 W)*	32 180 02	32 983 02
401 – 500 mm (max. 4.4 W)*	32 180 03	32 983 03
501 – 600 mm (max. 5.4 W)*	32 180 04	32 983 04
601 – 700 mm (max. 6.4 W)*	32 180 05	32 983 05
701 – 800 mm (max. 7.4 W)*	32 180 06	32 983 06
801 – 900 mm (max. 8.4 W)*	32 180 07	32 983 07
901 – 1000 mm (max. 9.4 W)*	32 180 08	32 983 08
1001 – 1100 mm (max. 10.4 W)*	32 180 09	32 983 09
1101 – 1200 mm (max. 11.4 W)*	32 180 10	32 983 10

Accessories*	
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
End cap	26 020 01

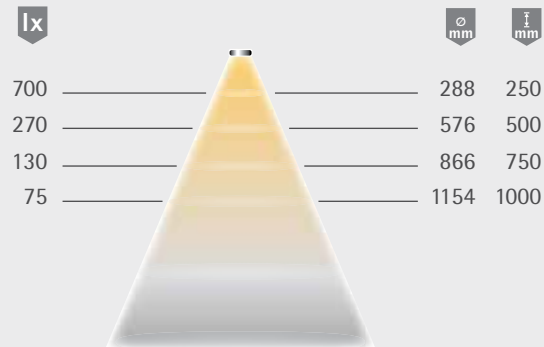
* Further accessories in section Switch systems

Technical details

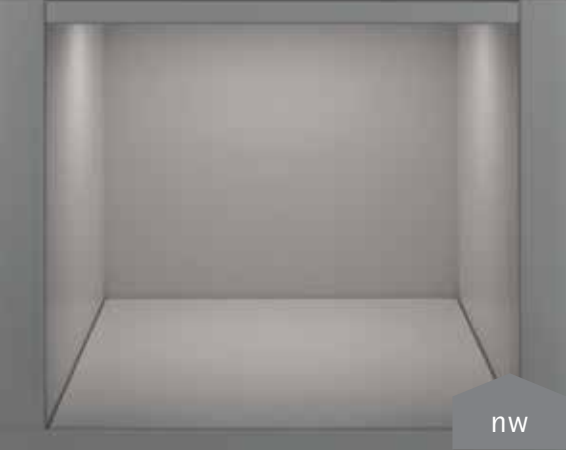


Luminaire type: LED recessed light
Type of lighting: Functional lighting
Surface finish: Aluminium look
Operating voltage: 12 V DC
Light colour: NeutralWhite/
WarmWhite
Colour rendering: RA >90; R9 >20
Luminous flux: 380 lm/m
Luminaire efficiency: 40 lm/W
Light source efficiency: 90 lm/W
Life span: 40,000 h (L70)
Power consumption: see ordering chart
Dimmable: Yes/PWM/Smart.home
Beam angle: 90°
Half value angle: 60°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini
M1 plug connector
LED ballast
Connection to:

Light distribution diagram 60°

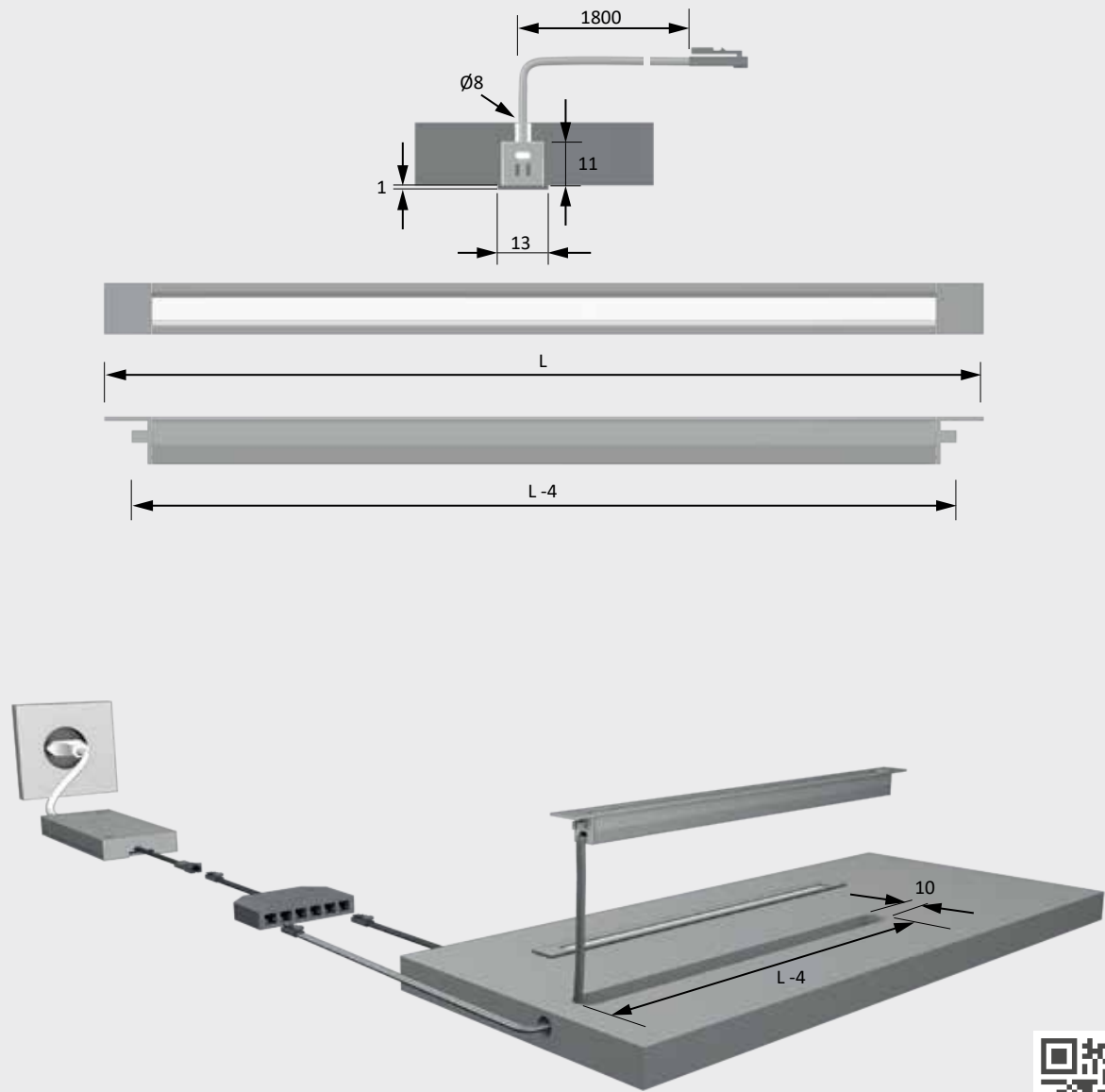


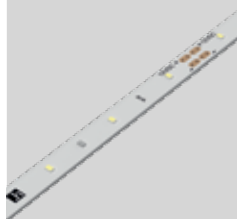
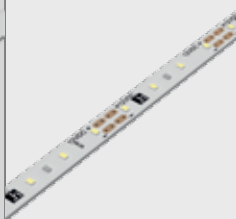


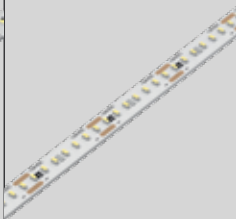
Light box



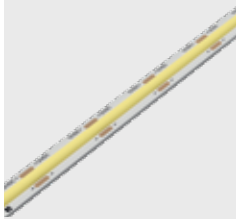
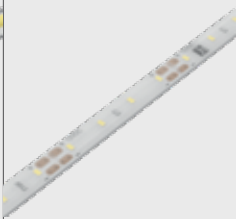


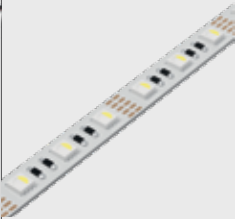
Dimensional drawing / installation

Can be individually cut to size Light can be made to measure



Overview of Versa strips					
Model	Versa Inside 40	Versa Inside 80	Versa Inside 120	Versa Inside 160	Versa Inside 233 HP
					
Voltage	12 V	12 V	12 V	12 V 24 V MP	24 V MP
Illuminance at a distance of 50 cm	240 lux	360 lux	525 lux	700 lux	1500 lux
Output per m	2.4 W/m	4.8 W/m	7.2 W/m	9.6 W/m	24 W/m
Luminous flux per m	300 lm/m	600 lm/m	900 lm/m	1200 lm/m	2200 lm/m
Light source efficiency	125 lm/W	125 lm/W	125 lm/W	125 lm/W	90 lm/W
Light colour*	WW	XW WW NW CW MW	XW WW NW CW MW	XW WW NW CW MW	XW WW NW CW
Colour rendering/CRI	RA > 90 (R9 > 60)				
Strip length	1200 mm, 5000 mm, 10000 mm			3000 mm (12 Volt) 5000 mm (24 Volt) 10000 mm	1200 mm 5000 mm 10000 mm
Max. length at a stretch	10000 mm	7000 mm	5000 mm	3700 mm (12 Volt DC) 7500 mm (24 Volt DC)	3000 mm
LEDs per m	40	80	120	160	233
Can be cut every	100 mm	50 mm	33 mm	25 mm (12 Volt DC) 50 mm (24 Volt DC)	30 mm
Direct connector	36 362 01 (1 piece) 36 362 11 (10 pieces)				no connectors permitted
Flexible connector 50 mm	36 363 01 (1 piece) 36 363 11 (10 pieces)				
Flexible connector 150 mm	36 364 01 (1 piece) 36 364 11 (10 pieces)				
Feeder for sections with clip connector	36 335 01			36 365 01 (12 Volt DC) 36 366 01 (24 Volt DC)	
Soldering cable with LED plug-in system	39 297 38 (130 mm) 36 248 01 (1800 mm) (12 Volt DC, max. 36 Watt)			36 247 02 (130 mm) 36 247 01 (1800 mm) (24 Volt DC, max. 72 Watt)	
Width / Height	7.5 mm / 2 mm				
IP rating	IP 20				
Page	Page 40	Page 42	Page 44	Pages 46/48	Page 50

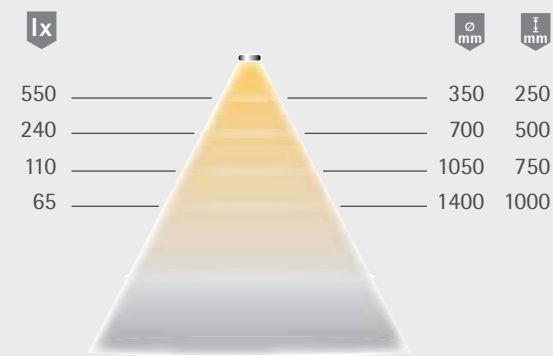
*XW = 2700 K, WW = 3000 K, NW = 4000 K, CW = 6500 K, MW = 2700-6000 K

Overview of Versa strips					
Model	Versa Linear (COB)	Versa Plus 80	Versa SuperPlus	Versa SuperPlus Mini	Versa MaxiColor
					
Voltage	12 V	12 V	24 V MP	12 V	24 V MP
Illuminance at a distance of 50 cm	550 lux	300 lux	155 lux	80 Lux	-
Output per m	10 W/m	4.8 W/m	7.5 W/m	6 W/m	19.2 W/m
Luminous flux per m	1000 lm/m	480 lm/m	400 lm/m	150 lm/m	White LED 400 lm/m
Light source efficiency	100 lm/W	100 lm/W	53 lm/W	115 lm/W	White LED 80 lm/W
Light colour	XW WW NW MW	XW WW NW CW MW	WW NW	WW NW	WW
Colour rendering/CRI	RA > 90 (R9 > 60)	RA > 80	RA > 80	RA > 80	RA > 80
Strip length	1200 mm, 3000 mm 10000 mm	1200 mm, 5000 mm 10000 mm	1200 mm 5000 mm	2500 mm 5000 mm	5000 mm
Max. length at a stretch	3600 mm	5000 mm	5000 mm	5000 mm	5000 mm
LEDs per m	LED not visible	80	LED not visible		60
Can be cut every	25 mm	50 mm	38 mm	50 mm	100 mm
Direct connector	36 358 01 (1 piece) 36 358 11 (10 pieces)	no connectors permitted			
Flexible connector 50 mm	36 359 01 (1 piece) 36 359 11 (10 pieces)				
Flexible connector 150 mm	36 360 01 (1 piece) 36 360 11 (10 pieces)				
Feeder for sections with clip connector	36 361 01				
Soldering cable with LED plug-in system	39 297 38 (130 mm) 36 248 01 (1800 mm) (12 Volt DC, max. 36 Watt)	no connectors permitted			
Width / Height	8 mm / 2 mm	7.5 mm / 3.5 mm	8.3 mm / 12 mm	4 mm / 8 mm	10 mm / 3 mm
IP rating	IP 20	IP 44	IP 65**	IP44	IP 20
Page	Page 52	Page 54	Page 58	Page 60	Page 64

** only in the potted area of the luminaires



Light distribution diagram 70°



Light box



Versa Inside 40

- Advantages**
- ▶ 30 % more uniform light distribution
 - ▶ 30 % more efficient
 - ▶ 30 % more light
 - ▶ 0% more power consumption than the predecessor Versa Inside 30
- Features**
- ▶ Lead on both sides for the 5000 mm length (one cut, two lights), see drawing

- Examples of use**
- ▶ Ideal for ambient backlighting in living rooms
- Order information**
- ▶ Feeders and/or solder leads needed for the 10 m roll
 - ▶ For selection see Versa- and Channelline overview

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Accent lighting
Operating voltage: 12 V DC
Light colour: WarmWhite
Colour rendering: RA >90; R9 >60
Luminous flux: 300 lm/m
Light source efficiency: 125 lm/W
Life span: 40,000 h (L70)
Power consumption: 2.4 W/m
Max. length at a stretch: 7 m
Dimmable: Yes/PWM/Smart.home
LED count: 40/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)
Connection to: LED ballast

Versa Inside 40

	WarmWhite
1200 mm (max. 2.9 W)	56 000 12
5000 mm (max. 12 W)	56 000 13
10000 mm (max. 2.4 W/m)	56 000 11

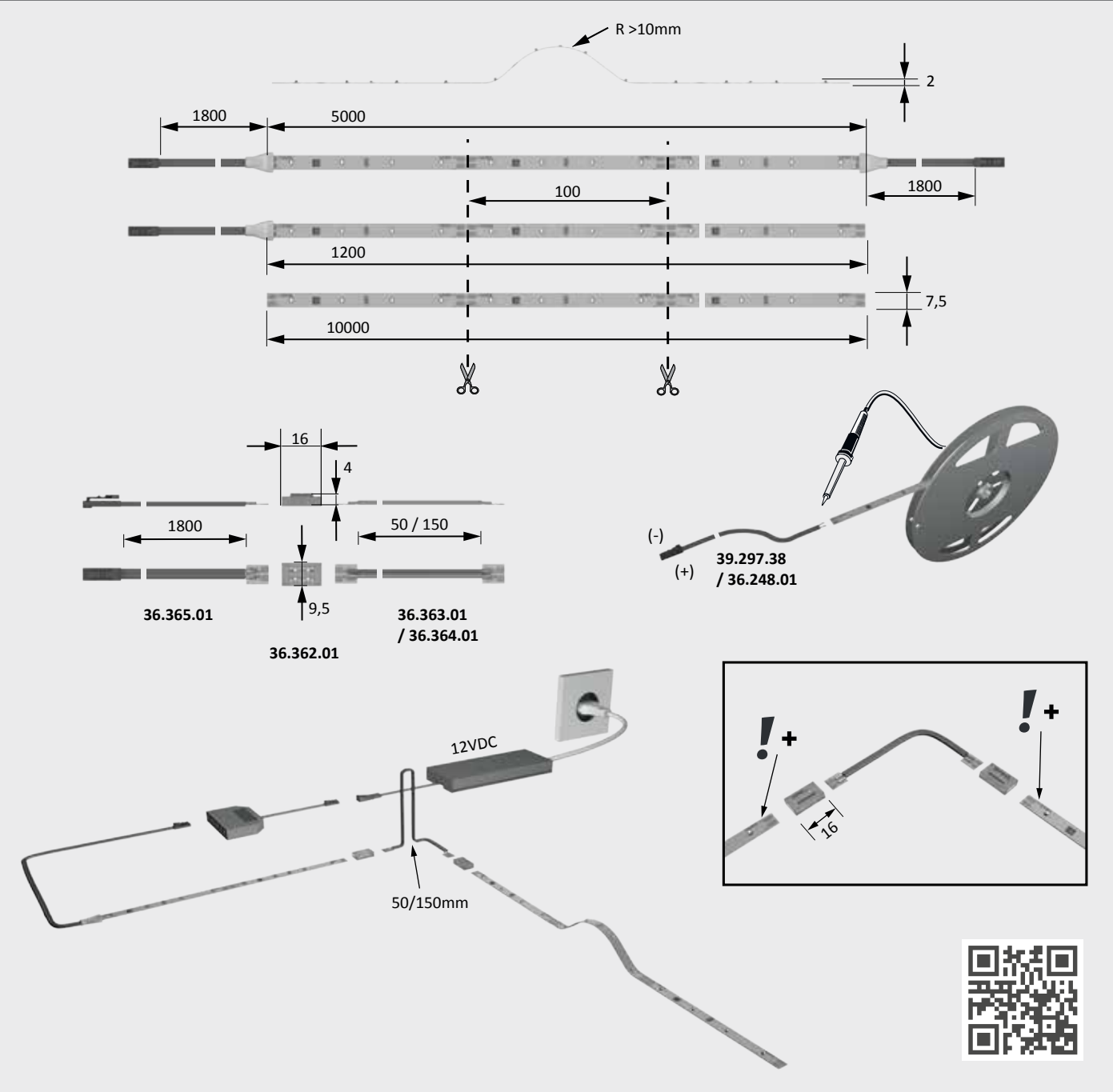
Accessories*

	1 piece	10 piece
Direct connector	36 362 01	36 362 11
Flexible connector 50 mm	36 363 01	36 363 11
Flexible connector 150 mm	36 364 01	36 364 11
Feeder 1800 mm for sections	36 365 01	-
Soldering lead 130 mm for sections	39 297 38	-
Soldering lead 1800 mm for sections	36 248 01	-
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	-

* Further accessories in section Switch systems

Dimensional drawing / installation

Can be individually cut to size





Versa Inside 80

Advantages

- ▶ 30 % more uniform light distribution
- ▶ 30 % more efficient
- ▶ 30 % more light
- ▶ 0% more power consumption than the predecessor Versa Inside 60

Features

- ▶ Lead on both sides for the 5000 mm length (one cut, two lights), see drawing

Examples of use

- ▶ Universal application
- ▶ Accent lighting in the living area

Order information

- ▶ Feeders and/or solder leads needed for the 10 m roll
- ▶ For selection see Versa- and Channelline overview

Versa Inside 80

	MultiWhite*	XtraWarm	WarmWhite	NeutralWhite	CoolWhite
1200 mm (max. 5.8 W)	-	56 001 42	56 001 12	56 001 02	56 001 22
5000 mm (max. 24 W)	56 001 33	56 001 43	56 001 13	56 001 03	56 001 23
10000 mm (max. 4.8 W/m)	56 001 31	56 001 41	56 001 11	56 001 01	56 001 21

Accessories**

	1 piece	10 piece
Direct connector	36 362 01	36 362 11
Flexible connector 50 mm	36 363 01	36 363 11
Flexible connector 150 mm	36 364 01	36 364 11
Feeder 1800 mm for sections	36 365 01	-
Soldering lead 130 mm for sections	39 297 38	-
Soldering lead 1800 mm for sections	36 248 01	-
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	-

* MultiWhite accessories required

** Further accessories in section Switch systems

Technical details

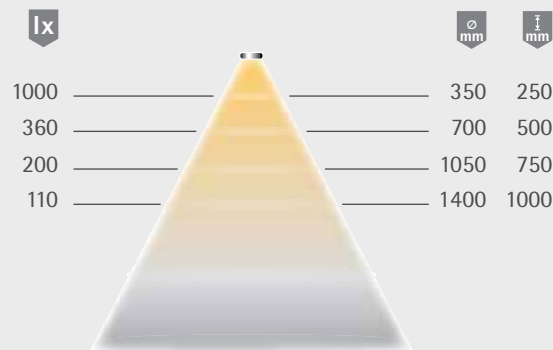


Luminaire type: Surface-mounted light
Type of lighting: Accent lighting
Operating voltage: 12 V DC
Light colours: XtraWarmWhite/
WarmWhite/
NeutralWhite/
CoolWhite/
MultiWhite

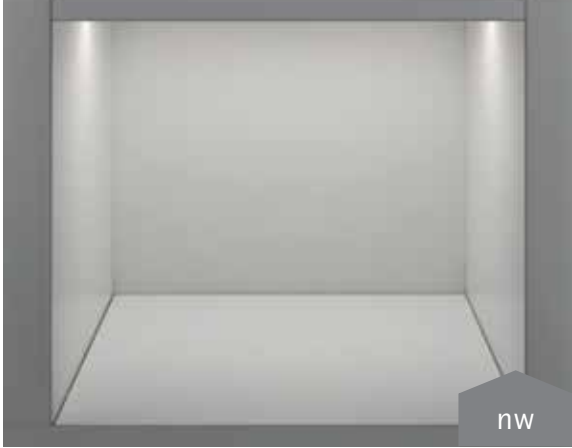
Colour rendering: RA >90; R9 >60
Luminous flux: 600 lm/m
Light source efficiency: 125 lm/W
Life span: 40,000 h (L70)
Power consumption: 4.8 W/m
Max. length at a stretch: 7 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 80/m
Beam angle: 120°
Half value angle: 70°
Test marks and symbols: CE, RoHS, WEEE
Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)

Protection rating: IP 20
Connection to: LED ballast

Light distribution diagram 70°

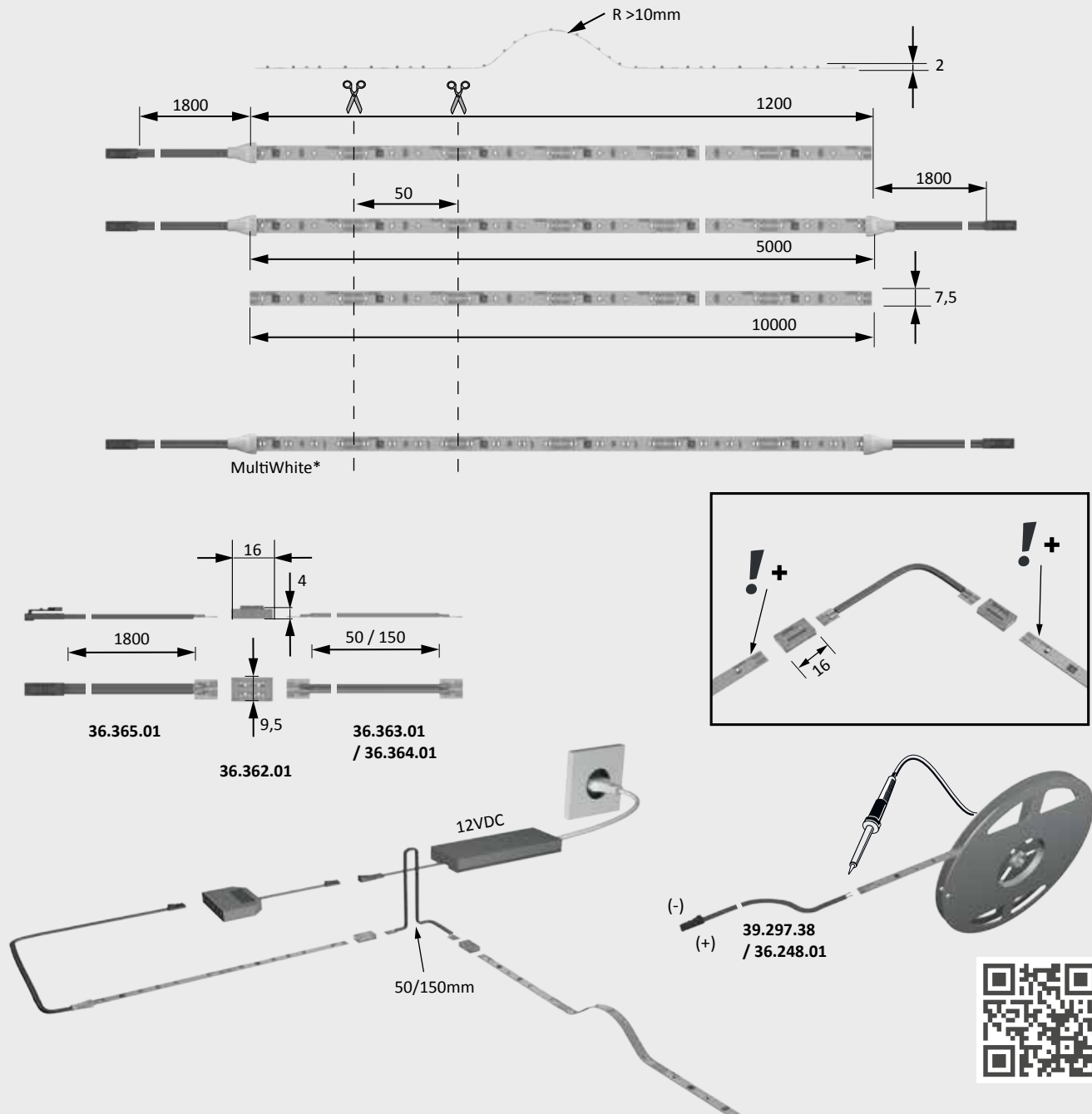


Light box



Dimensional drawing / installation

Can be individually cut to size





Versa Inside 120

Advantages

- ▶ 30 % more uniform light distribution
- ▶ 30 % more efficient
- ▶ 30 % more light
- ▶ 0% more power consumption than the predecessor Versa Inside 90

Features

- ▶ Lead on both sides for the 5000 mm length (one cut, two lights), see drawing

Examples of use

- ▶ Perfect for interior cabinet lighting
- ▶ Accent lighting in bright surroundings

Order information

- ▶ Feeders and/or solder leads needed for the 10 m roll
- ▶ For selection see Versa- and Channelline overview

Versa Inside 120

	MultiWhite*	XtraWarm	WarmWhite	NeutralWhite	CoolWhite
1200 mm (max. 8.6 W)	-	56 002 42	56 002 12	56 002 02	56 002 22
5000 mm (max. 36 W)	56 002 33	56 002 43	56 002 13	56 002 03	56 002 23
10000 mm (max. 7.2 W/m)	56 002 31	56 002 41	56 002 11	56 002 01	56 002 21

Accessories*

	1 piece	10 piece
Direct connector	36 362 01	36 362 11
Flexible connector 50 mm	36 363 01	36 363 11
Flexible connector 150 mm	36 364 01	36 364 11
Feeder 1800 mm for sections	36 365 01	-
Soldering lead 130 mm for sections	39 297 38	-
Soldering lead 1800 mm for sections	36 248 01	-
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	-

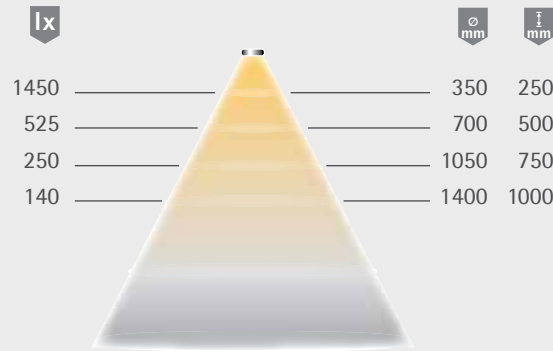
* MultiWhite accessories required

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Functional lighting / accent lighting
Operating voltage: 12 V DC
Light colours: XtraWarmWhite/ WarmWhite/ NeutralWhite/ CoolWhite/ MultiWhite
Colour rendering: RA >90; R9 >60
Luminous flux: 900 lm/m
Efficiency light source: 125 lm/W
Lifespan: 40,000 h (L70)
Power consumption: 7.2 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM/Smart.home
LED count: 120/m
Beam angle: 120°
Half value angle: 70°
Test marks and symbols: CE, RoHS, WEEE
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)
Connection to: LED ballast

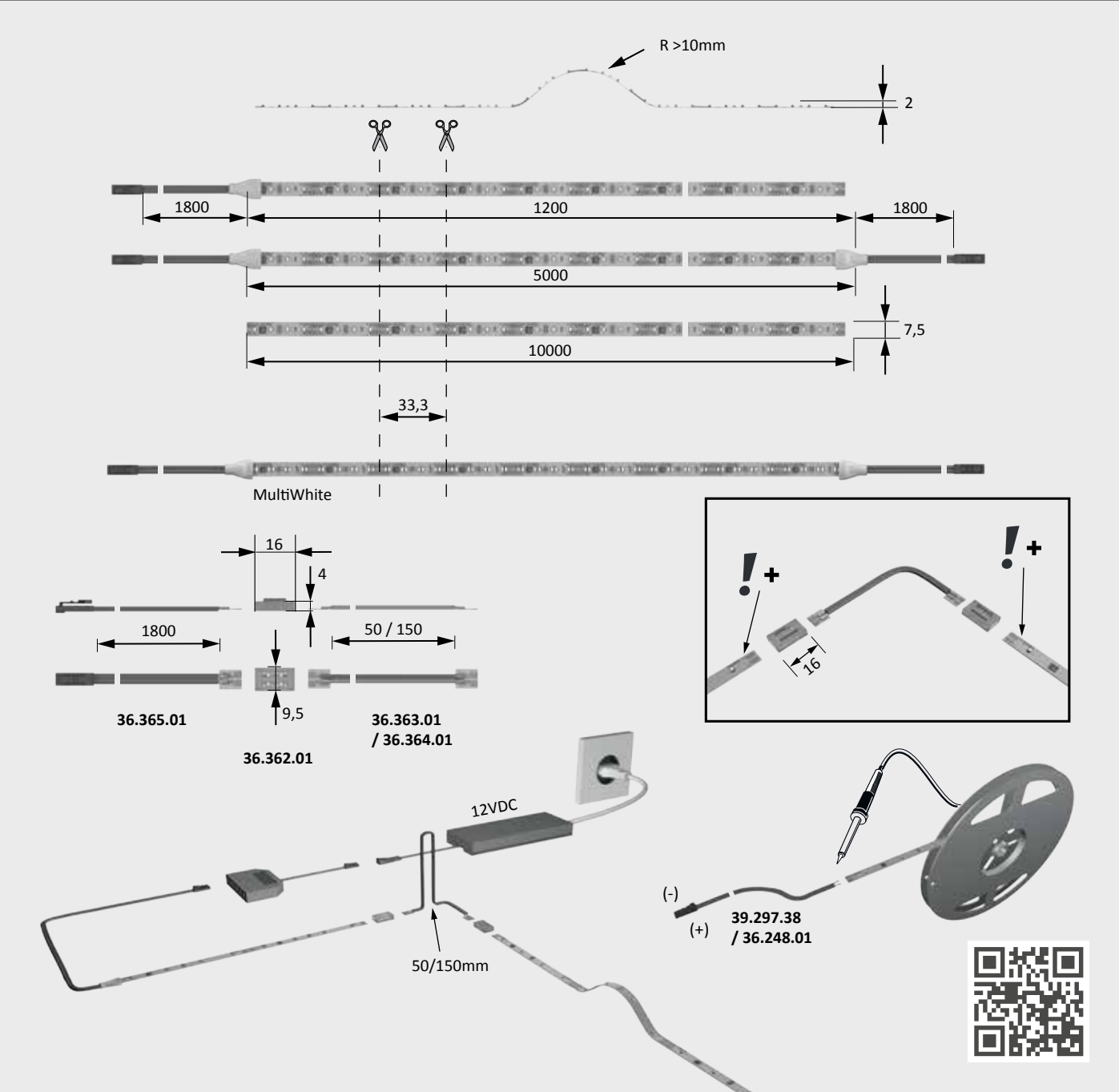
Light distribution diagram 70°



Light box



Dimensional drawing / installation





Versa Inside 160 / 12 Volt DC

Advantages

- ▶ 30 % more uniform light distribution
- ▶ 30 % more efficient
- ▶ 30 % more light
- ▶ 0% more power consumption than the predecessor Versa Inside 120

Features

- ▶ Lead on both sides for the 3000 mm length (one cut, two lights), see drawing
- ▶ Same brightness as Versa Inside 160 (24 Volt DC)

Examples of use

- ▶ Ideal for task and functional lighting

Order information

- ▶ Feeders and/or solder leads needed for the 10 m roll
- ▶ For selection see Versa- and Channelline overview

Versa Inside 160

	MultiWhite*	XtraWarm	WarmWhite	NeutralWhite	CoolWhite
3000 mm (max. 28.8 W)	56 003 32	56 003 42	56 003 12	56 003 02	56 003 22
10000 mm (max. 9.6 W/m)	56 003 31	56 003 41	56 003 11	56 003 01	56 003 21

Accessories*

	1 piece	10 piece
Direct connector	36 362 01	36 362 11
Flexible connector 50 mm	36 363 01	36 363 11
Flexible connector 150 mm	36 364 01	36 364 11
Feeder 1800 mm for sections	36 365 01	-
Soldering lead 130 mm for sections	39 297 38	-
Soldering lead 1800 mm for sections	36 248 01	-
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	-

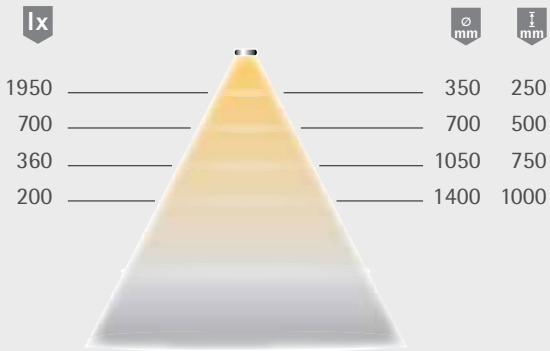
* MultiWhite accessories required

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Function lighting/ accent lighting
Operating voltage: 12 V DC
Light colours: XtraWarmWhite/ WarmWhite/ NeutralWhite/ CoolWhite/ MultiWhite
Colour rendering: RA >90; R9 >60
Luminous flux: 1200 lm/m
Light source efficiency: 125 lm/W
Lifespan: 40,000 h (L70)
Power consumption: 9.6 W/m
Max. length at a stretch: 12V - 3.75 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 160/m
Beam angle: 120°
Half value angle: 70°
Test marks and symbols: CE, RoHS, WEEE
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)
Connection to: LED ballast

Light distribution diagram 70°

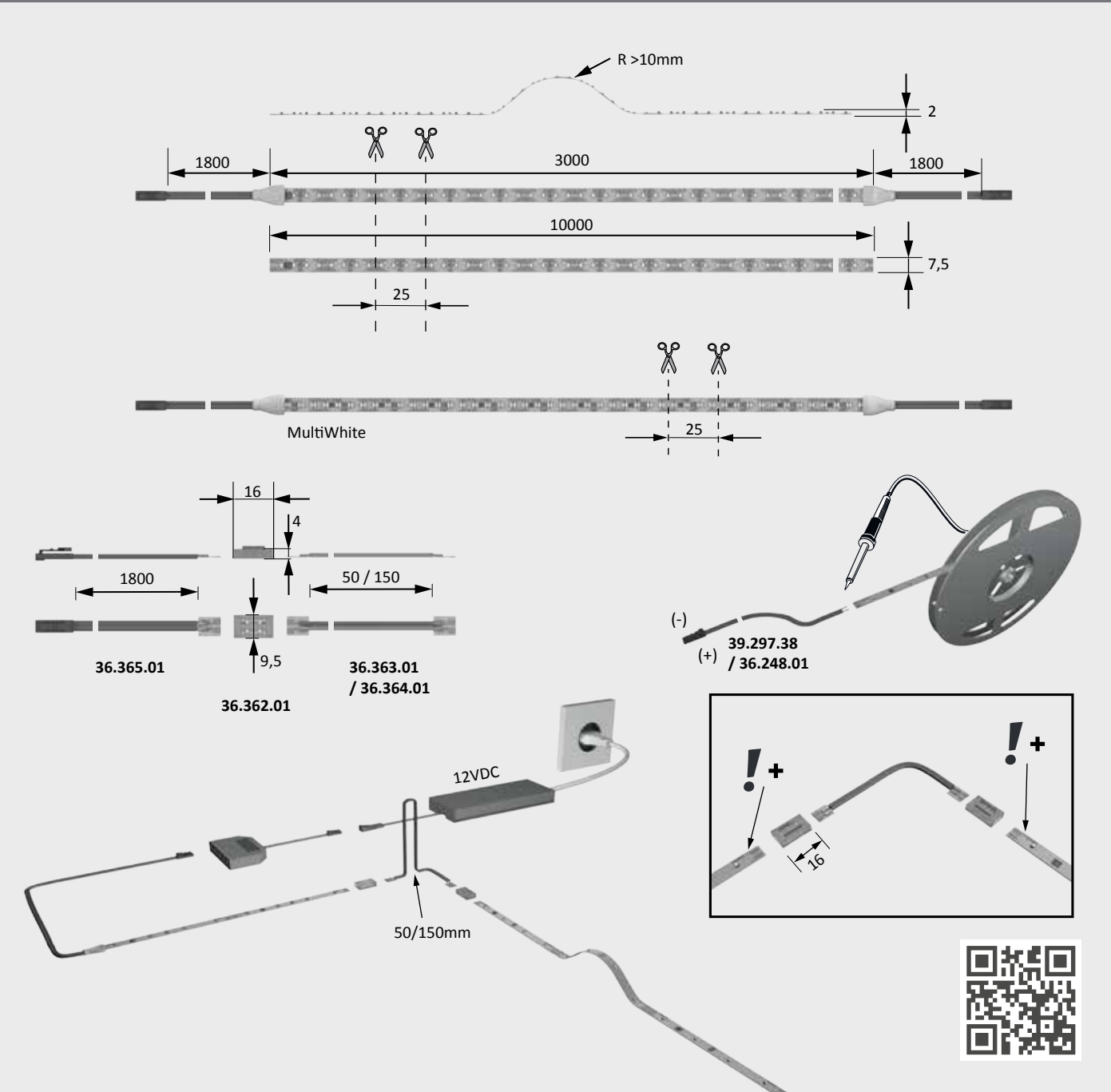


Light box



Dimensional drawing / installation

Can be individually cut to size





Versa Inside 160 / 24 Volt DC

- Advantages**

 - ▶ 30 % more uniform light distribution
 - ▶ 30 % more efficient
 - ▶ 30 % more light
 - ▶ 0% more power consumption than the predecessor Versa Inside 120
- Examples of use**

 - ▶ Perfect for indirect room lighting
- Features**

 - ▶ Lead on both sides for the 5000 mm length (one cut, two lights), see drawing
 - ▶ Same brightness as Versa Inside 160 (12 Volt DC)
- Order information**

 - ▶ Feeders and/or solder leads needed for the 10 m roll
 - ▶ For selection see Versa- and Channelline overview

Versa Inside 160	XtraWarm	WarmWhite	NeutralWhite	CoolWhite
1200 mm (max. 11.5 W)	56 006 42	56 006 12	56 006 02	56 006 22
5000 mm (max. 48 W)	56 006 43	56 006 13	56 006 03	56 006 23
10000 mm (max. 9.6 W/m)	56 006 41	56 006 11	56 006 01	56 006 21

Accessories*	1 piece	10 piece
Direct connector (max. 72 W)	36 362 01	36 362 11
Flexible connector 50 mm (max. 72 W)	36 363 01	36 363 11
Flexible connector 150 mm (max. 72 W)	36 364 01	36 364 11
Feeder 1800 mm for sections (max. 72 W)	36 366 01	-
Soldering lead 130 mm for sections (max. 72 W)	36 247 02	-
Soldering lead 1800 mm for sections (max. 72 W)	36 247 01	-
MP2 extension lead 1800 mm	36 177 01	-
LED ballast with Euro flat plug (75 W)	31 017 01	-
LED ballast with Euro flat plug (150 W)	30 017 11	-
MP2 2-way distributor	39 422 51	-
MP2 6-way distributor	36 996 01	-

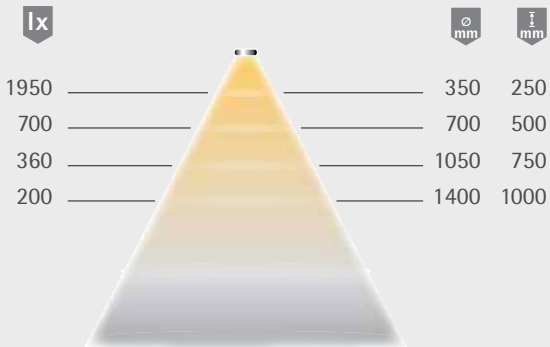
* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Functional lighting / accent lighting
Operating voltage: 24 V DC
Light colours: XtraWarmWhite/ WarmWhite/ NeutralWhite/ CoolWhite
Colour rendering: RA >90; R9 >60
Luminous flux: 1200 lm/m
Light source efficiency: 125 l/W
Life span: 40,000 h (L70)
Power consumption: 9.6 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 160/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED-MultiPlug MP2 (max. 192 W)
Connection to: LED ballast

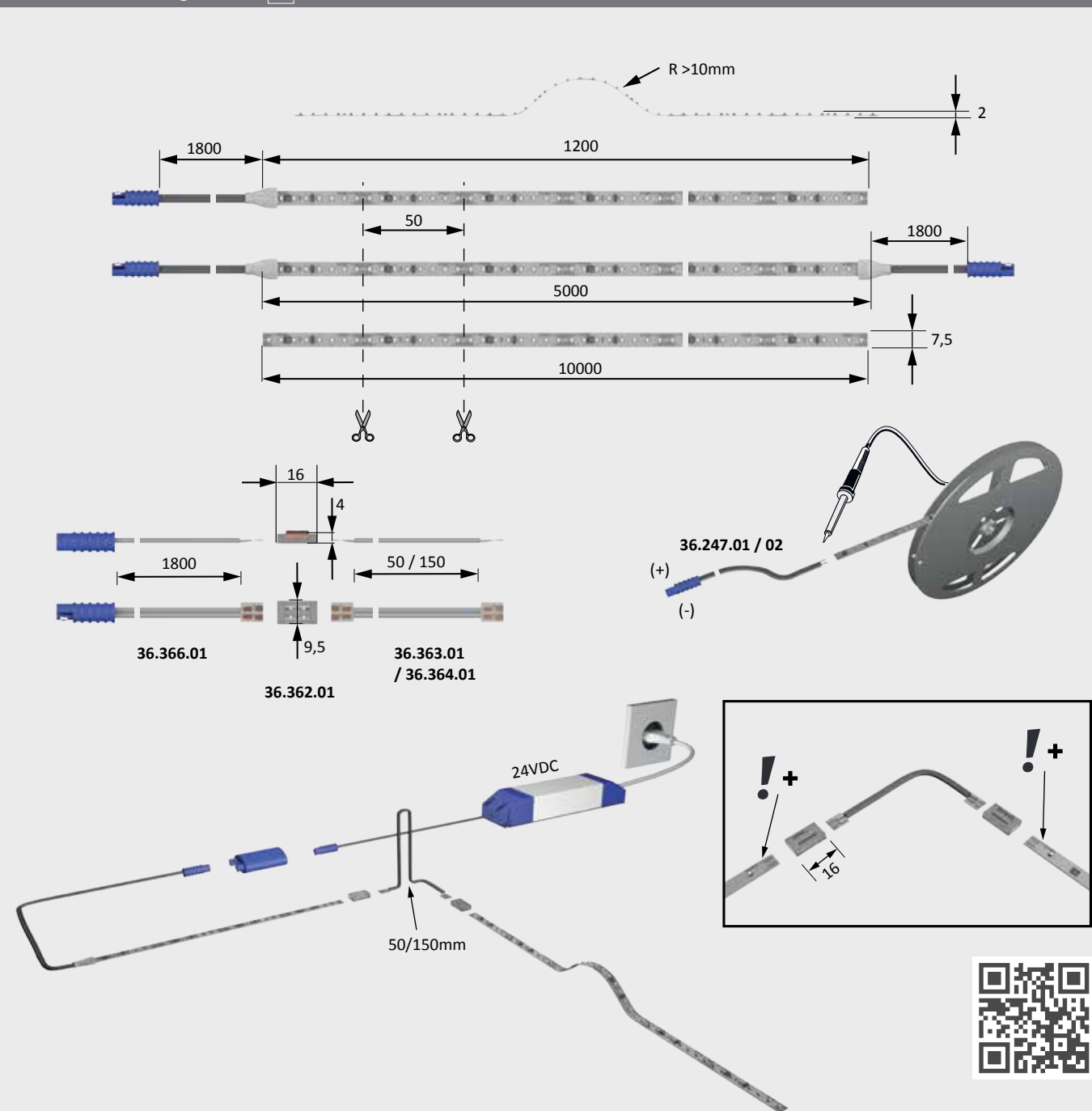
Light distribution diagram 70°



Light box



Dimensional drawing / installation





Versa Inside 233 HP

- Advantages

 - ▶ Very close LED spacing: 233 LED/m
 - ▶ Can be shortened every 30 mm
 - ▶ Flexible, self-adhesive
- Examples of use

 - ▶ Luminaire design for high lighting requirements
 - ▶ Must be used with aluminium profiles
 - ▶ Clamped connections not permitted
- Features

 - ▶ Homogeneous illumination of all ChannelLine profiles
 - ▶ Lead on both sides for the 3000 mm length (one cut, two lights)
 - ▶ Low installation height
- Order information

 - ▶ Soldering leads are required for the 10 m roll
 - ▶ For selection see Versa- and ChannelLine Overview

Versa Inside 233 HP	XtraWarm	WarmWhite	NeutralWhite	CoolWhite
1200 mm (max. 28.8 W)	55 844 42	55 844 12	55 844 02	55 844 22
3000 mm (max. 72 W)	55 844 44	55 844 14	55 844 04	55 844 24
10000 mm (max. 24 W/m)	55 844 41	55 844 11	55 844 01	55 844 21

Accessories*	
Feeder for soldering 1800 mm for sections (max. 72 W)	36 247 01
Feeder for soldering 130 mm for sections (max. 72 W)	36 247 02
Feeder for soldering 1800 mm for sections (max. 150 W)	39 416 01
Feeder for soldering 130 mm for sections (max. 150 W)	39 416 02
LED ballast with Euro flat plug (75 W)	31 017 01
LED ballast with Euro flat plug (150 W)	30 017 11
MP2 extension lead 1800 mm	36 177 01
MP2 2-way distributor	39 422 51
MP2 6-way distributor	36 996 01

* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light

Type of lighting: Functional lighting

Operating voltage: 24 V DC

Light colours: XtraWarmWhite/
WarmWhite/
NeutralWhite/
CoolWhite

Colour rendering: RA >90; R9 >70

Luminous flux: 2200 lm/m

Light source efficiency: 90 lm/W

Life span: 40,000 h (L70)

Power consumption: 24 W/m

Max. length at a stretch: 3 m

Dimmable: Yes/PWM/Smart.home

Number of LEDs: 233/m

Beam angle: 120°

Half value angle: 70°

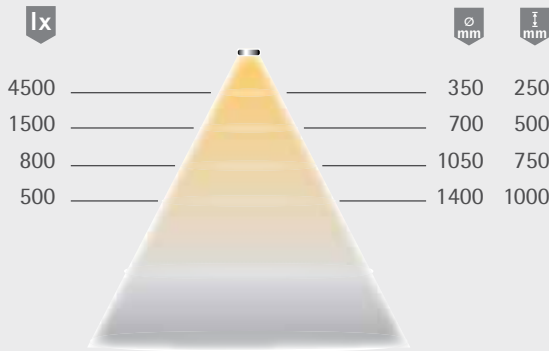
Test mark and symbols: CE

Protection rating: IP 20

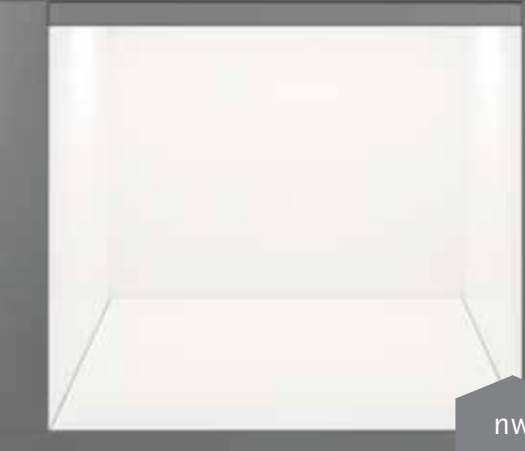
Plug connector: LED MultiPlug MP2 (max. 192 W)

Connection to: LED ballast

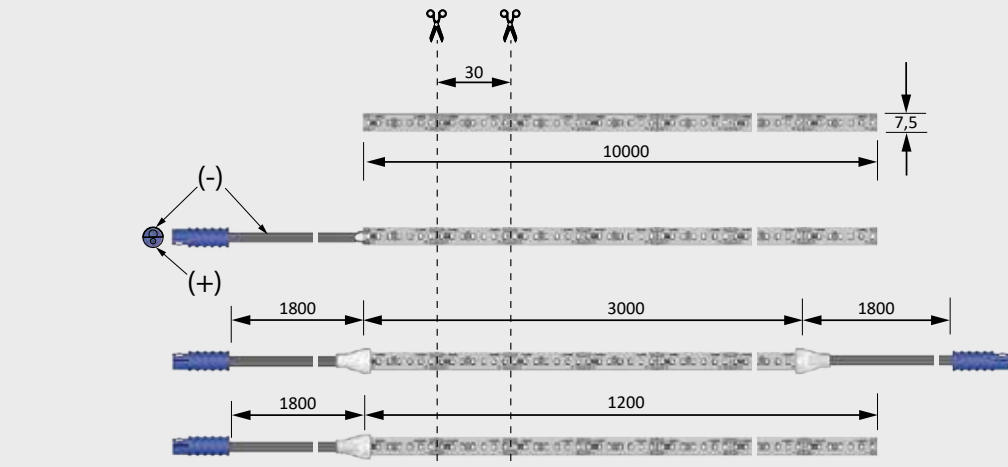
Light distribution diagram 70°



Light box



Dimensional drawing / installation Can be individually cut to size





Versa Linear

Advantages

- ▶ Extremely uniform, homogeneous luminous surface
- ▶ Equally suited for unctional and accent lighting
- ▶ Perfect results even in flat profiles

Features

- ▶ Homogeneous illumination in Channelline profiles
- ▶ For 3000 mm length power supply from two sides (one cut, two lights), see drawing
- ▶ COB (Chip-On-Board) with continuous phosphor coating

Examples of use

- ▶ Especially for flat Channelline profiles
- ▶ Ideal for ChannLine I, I2 and M
- ▶ Suitable for applications where the light source is visible e.g. frame lighting on mirror cabinet

Order information

- ▶ Soldering leads are required for the 10 m roll
- ▶ Colour uniformity (chromaticity) may vary
- ▶ For selection see Versa- and Channelline Overview

Versa Linear (COB technology)

	XtraWarm	WarmWhite	NeutralWhite
1200 mm (max. 12 W)	56 009 42	56 009 12	56 009 02
3000 mm (max. 30 W)	56 009 43	56 009 13	56 009 03
10000 mm (max. 10 W/m)	56 009 41	56 009 11	56 009 01

Accessories*

	1 piece	10 piece
Direct connector COB	36 358 01	36 358 11
Flexible connector 50 mm COB	36 359 01	36 359 11
Flexible connector 150 mm COB	36 360 01	36 360 11
Feeder 1800 mm for sections COB	36 361 01	-
Soldering lead 130 mm for sections (max. 72 W)	39 297 38	-
Soldering lead 1800 mm for sections (max. 72 W)	36 248 01	-
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	-

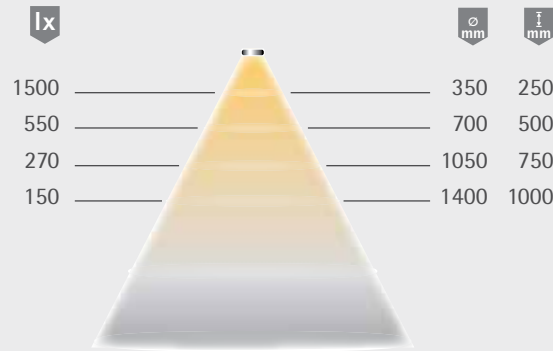
* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Function lighting/ Accent lighting
Operating voltage: 12 V DC
Light colours: XtraWarmWhite/ WarmWhite/ NeutralWhite
Colour rendering: RA >90; R9 >60
Luminous flux: 1000 lm/m
Light source efficiency: 100 lm/W
Life span: 40,000 h (L70)
Power consumption: 10 W/m
Max. length at a stretch: 3.6 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 120/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)
Connection to: LED ballast

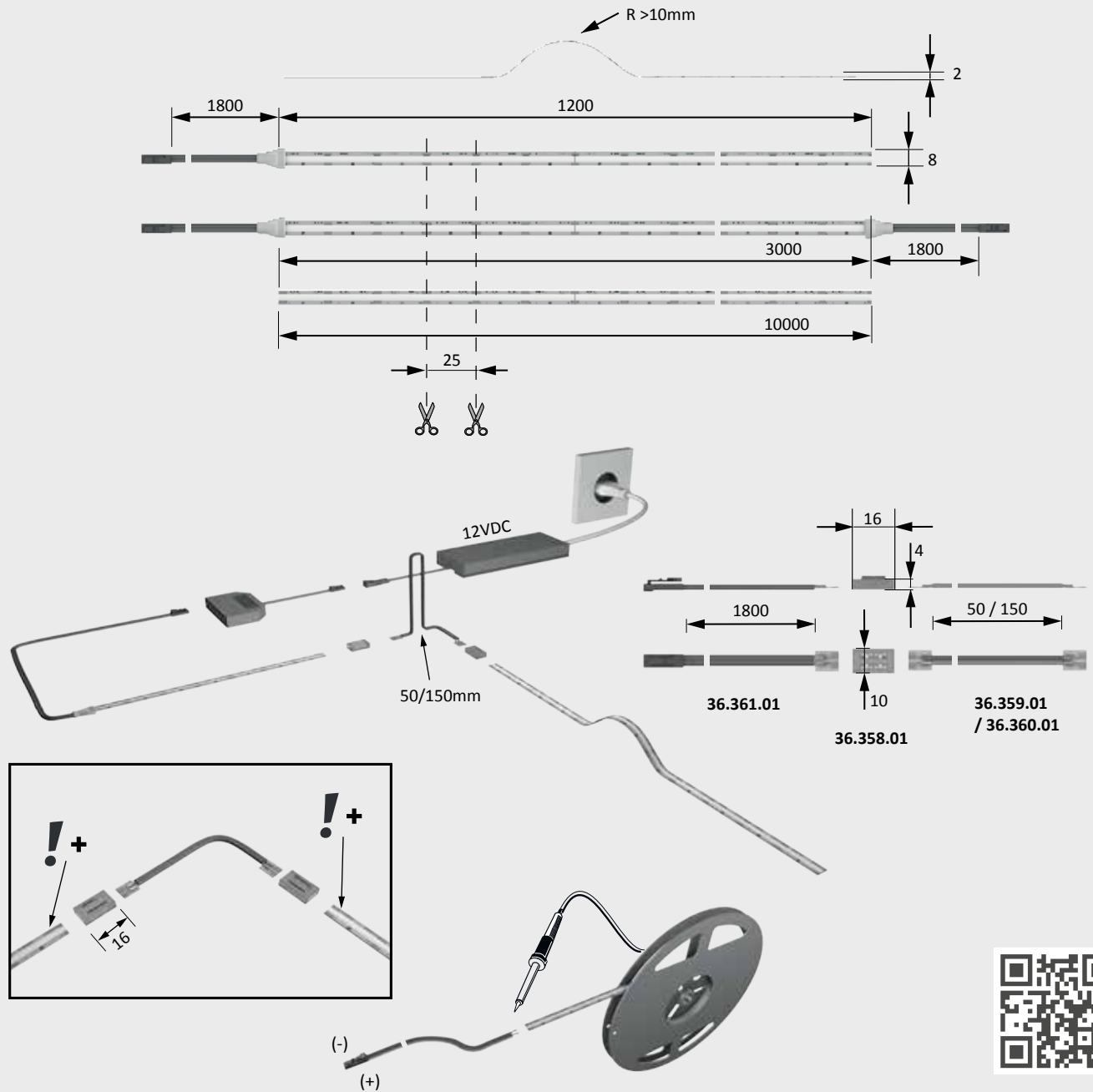
Light distribution diagram 70°



Light box



Dimensional drawing / installation can be individually cut to size





Versa Plus 80

- Advantages

 - ▶ 30 % more uniform light distribution
 - ▶ 30 % more efficient
 - ▶ 30 % more light
 - ▶ 0% more power consumption than the predecessor Versa Plus 60
- Examples of use

 - ▶ Ideal under wall cabinets and in front of plinths
 - ▶ Accent lighting e.g. on bed headboards
 - ▶ Indirect lighting in unprotected areas

- Features
- ▶ Protection against splash water (suitable for damp locations)
 - ▶ Lead on both sides for the 5000 mm length (one cut, two lights), see drawing

Versa Plus 80	MultiWhite*	XtraWarm**	WarmWhite	NeutralWhite	CoolWhite
1200 mm (max. 5.8 W)	-	56 004 42	56 004 12	56 004 02	56 004 22
5000 mm (max. 24 W)	56 004 33	56 004 43	56 004 13	56 004 03	56 004 23

Accessories***	
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

* MultiWhite accessories required
** For Versa Plus 2500 K
*** Further accessories in section Switch systems

Technical details

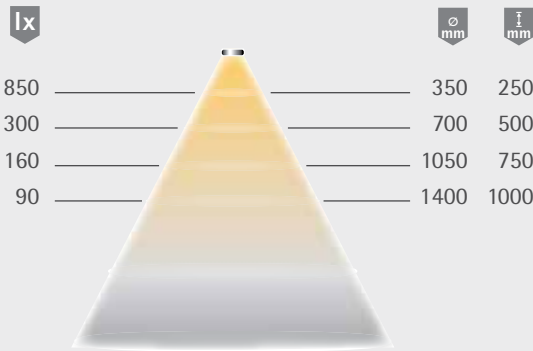


Luminaire type: Surface-mounted light
Type of lighting: Accent lighting
Operating voltage: 12 V DC
Light colours: XtraWarmWhite/
WarmWhite/
NeutralWhite/
CoolWhite/
MultiWhite

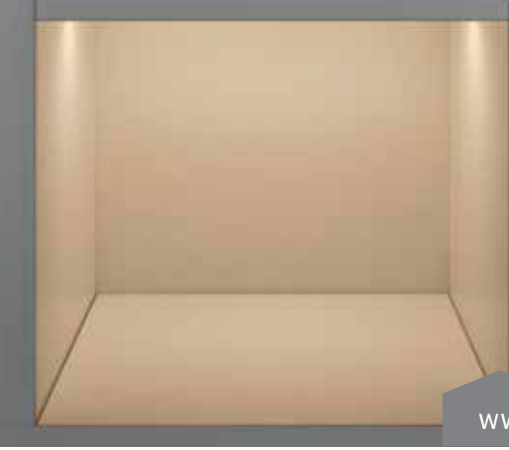
Colour rendering: RA >90
Luminous flux: 480 lm/m
Light source efficiency: 100 lm/W
Life span: 40,000 h (L70)
Power consumption: 4.8 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 80/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 44 (Only in the gated area)

Supply lead: 1800 mm
Plug connector: LED mini connector M1 (max. 36 W)
Connection to: LED ballast

Light distribution diagram 70°

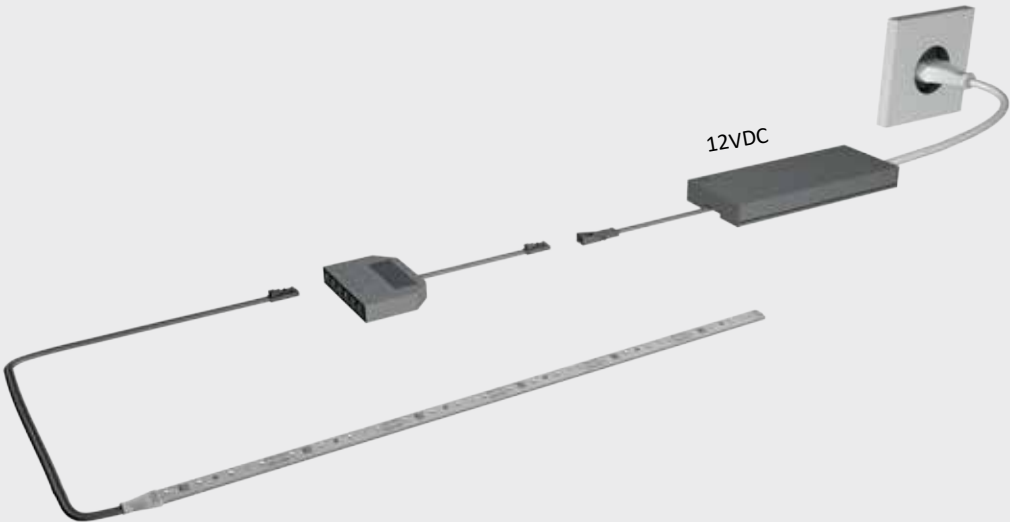
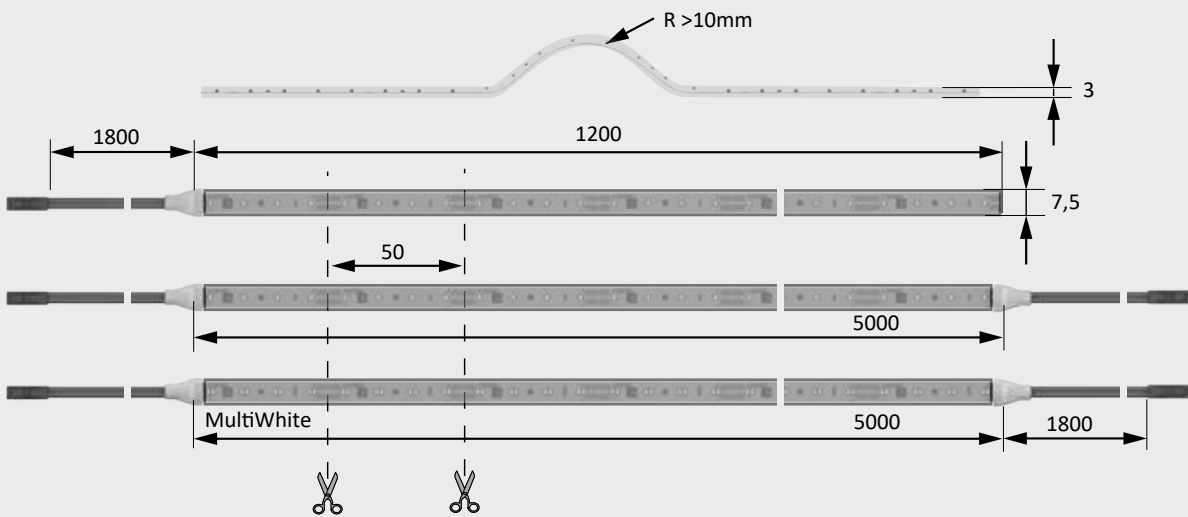


Light box



Dimensional drawing / installation

Can be individually cut to size





Versa Up&Down 80

- Advantages

 - Needs hardly any distance to the back wall to create a strong light effect
 - Ideal for upgrading finished furniture
- Features

 - LED lights on both sides (see drawing)
 - Lead on both sides for the 3000 mm length (one cut, two lights)
 - Low installation height
- Examples of use

 - Back wall lighting in showcases or shelves
- Order information

 - Feeders and/or solder leads needed for the 10 m roll
 - Spacers to the rear wall must be ordered

Versa Up&Down 80		
	WarmWhite	NeutralWhite
3000 mm (max. 29 W)	56 007 12	56 007 02
10000 mm (max. 9.6 W/m)	56 007 11	56 007 01

Accessories*		
	1 piece	10 piece
Direct connector	36 362 01	36 362 11
Flexible connector 50 mm	36 363 01	36 363 11
Flexible connector 150 mm	36 364 01	36 364 11
Feeder 1800 mm for sections	36 365 01	-
Soldering lead 130 mm for sections	39 297 38	-
Soldering lead 1800 mm for sections	36 248 01	-
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	-
Spacer	-	18 491 10

* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light

Type of lighting: Accent lighting

Operating voltage: 12 V DC

Light colours: WarmWhite/ NeutralWhite

Colour rendering: RA >90

Luminous flux: 1000 lm/m

Light source efficiency: 104 lm/W

Life span: 40,000 h (L70)

Power consumption: 9.6 W/m

Max. length at a stretch: 3 m

Dimmable: Yes/PWM/Smart.home

Number of LEDs: 2 x 80/m

Beam angle: 2 x 90°

Half value angle: 2 x 70°

Test mark and symbols: CE, RoHS, Energy Star, etc.

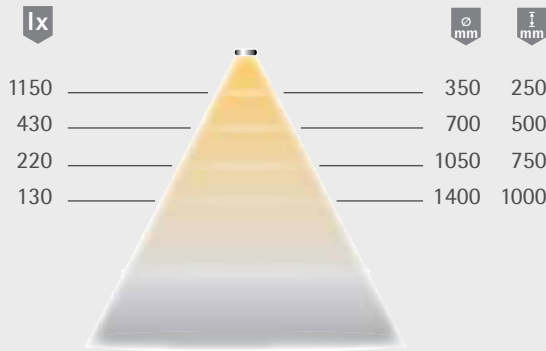
Protection rating: IP 20

Supply lead: 2 x 1800 mm

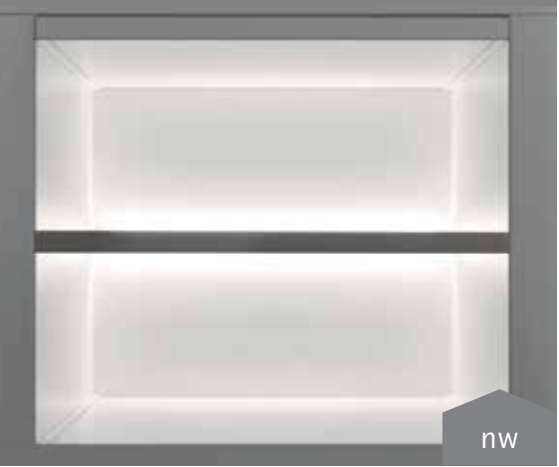
Plug connector: LED mini connector M1 (max. 36 W)

Connection to: LED ballast

Light distribution diagram 2 x 70°

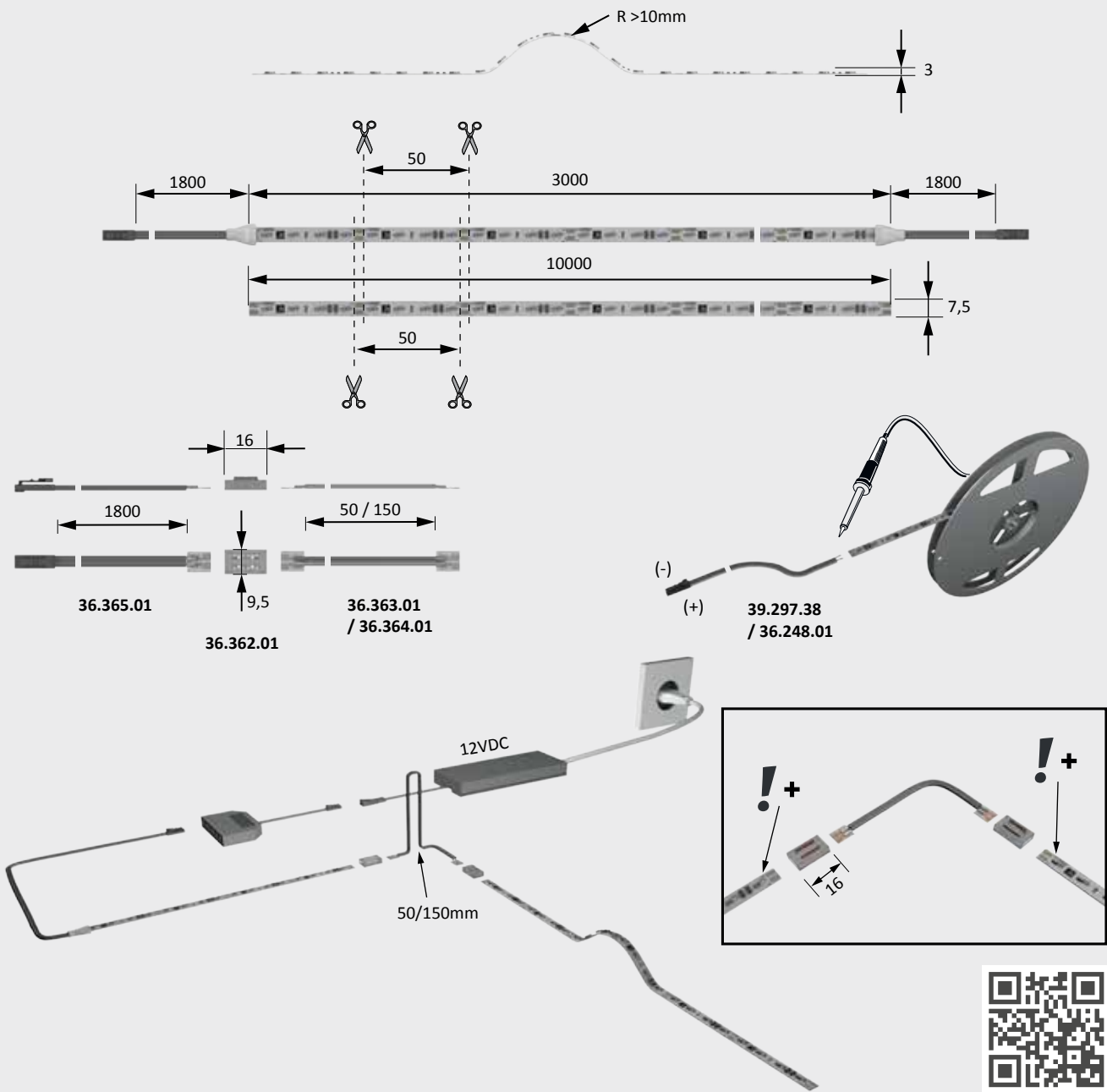


Light box



Dimensional drawing / installation

Can be individually cut to size





Versa SuperPlus

- Advantages

 - ▶ Evenly illuminated area
 - ▶ Lateral bending direction (see drawing)
 - ▶ Flush mounting possible
 - ▶ Can be individually cut to size
- Examples of use

 - ▶ Round counters
 - ▶ Decorative surfaces with visible curves
 - ▶ Particularly narrow cabinet interior lighting
- Features

 - ▶ Protection against water jets from all directions (IP 65)
 - ▶ Suitable for damp locations
 - ▶ Supply lead on both sides (one cut, two lights), see drawing
- Order information

 - ▶ Packaging unit consists of 1 piece Versa, 2 end caps and a silicone tube for sealing in wet room applications

Versa Super Plus	WarmWhite	NeutralWhite
2500 mm (max. 18.8 W)	55 815 11	55 815 02
5000 mm (max. 37.5 W)	55 815 10	55 815 01
Sample piece 1000 mm (max. 7.5 W)	55 815 15	55 815 05

Accessories*	
LED ballast with Euro flat plug (75 W)	31 017 01
LED ballast with Euro flat plug (150 W)	30 017 11
MP2 2-way distributor	39 422 51
MP2 6-way distributor	36 996 01

* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light

Type of lighting: Accent lighting

Operating voltage: 24 V DC

Light colours: WarmWhite/ NeutralWhite

Colour rendering: RA >80

Luminous flux: 400 lm/m

Light source efficiency: 53 lm/W

Life span: 40,000 h (L70)

Power consumption: 7.5 W/m

Max. length at a stretch: 5 m

Dimmable: Yes/PWM/Smart.home

Beam angle: 120°

Half value angle: 70°

Test marks and symbols: CE, ENEC, DALI, RoHS

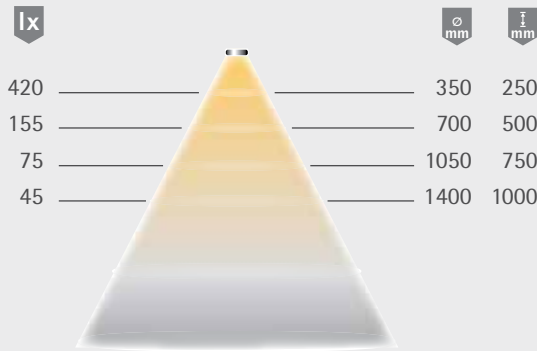
Protection rating: IP 65 (Only in the gated area)

Supply lead: 2 x 1800 mm

Plug connector: LED MultiPlug MP2 (max. 192 W)

Connection to: LED ballast

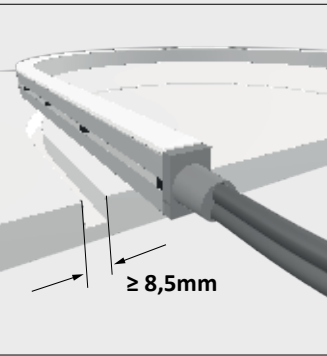
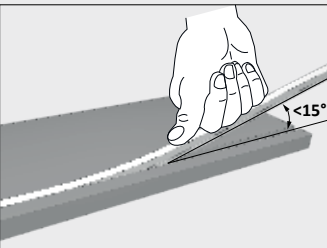
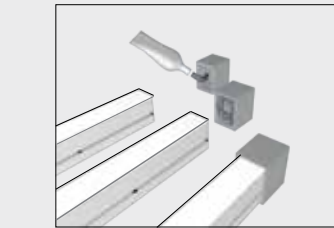
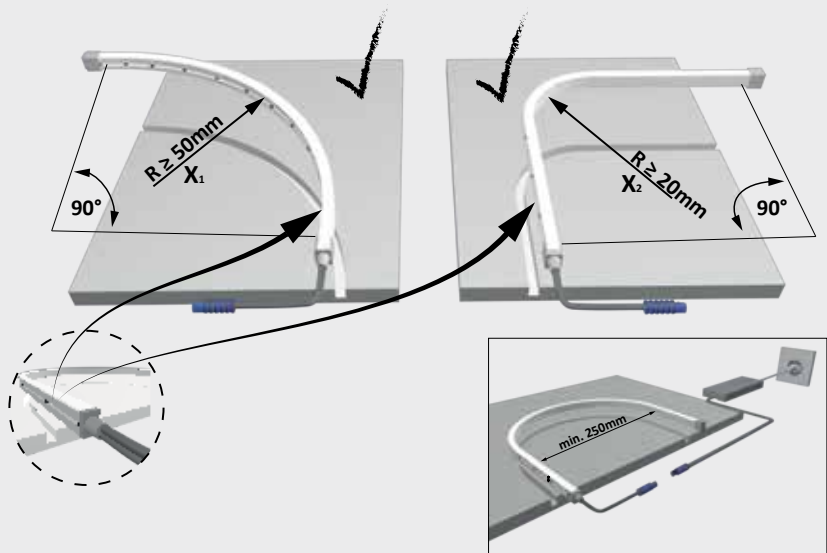
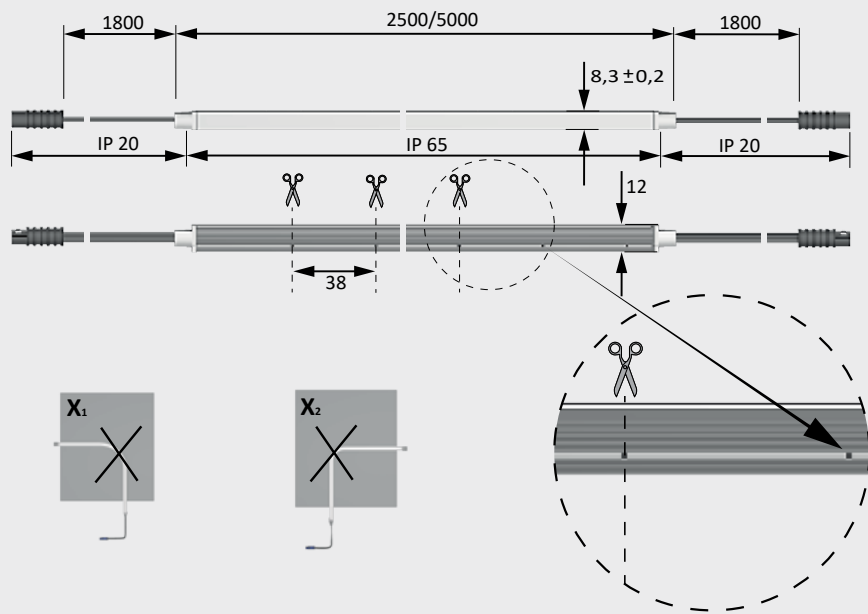
Light distribution diagram 70°



Light box



Dimensional drawing / installation Can be individually cut to size





Versa SuperPlus Mini

- Advantages

 - ▶ Evenly illuminated area
 - ▶ Lateral bending direction (see drawing)
 - ▶ Flush mounting possible
 - ▶ Can be individually cut to size
- Examples of use

 - ▶ Round counters
 - ▶ Decorative surfaces with visible curves
 - ▶ Particularly narrow cabinet interior lighting
- Features

 - ▶ Protection against water jets from all directions
 - ▶ Suitable for damp locations (IP 44)
 - ▶ Supply lead on both sides (one cut, two lights), see drawing

Versa Super Plus Mini

	WarmWhite	NeutralWhite
1200 mm (max. 7.2 W)	55 864 12	55 864 02
5000 mm (max. 30 W)	55 864 13	55 864 03

Accessories*

LED ballast with Euro flat plug (15 W)	30 996 17
LED ballast with Euro flat plug (30 W)	31 002 07
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01

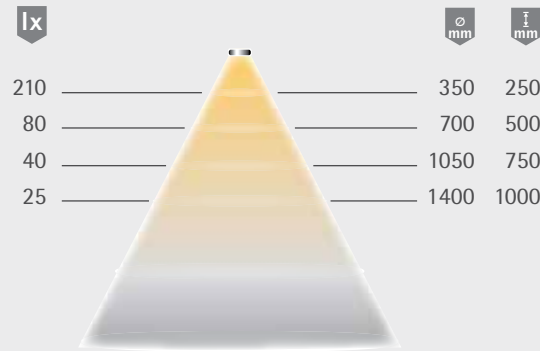
* Further accessories in section Switch systems

Technical details

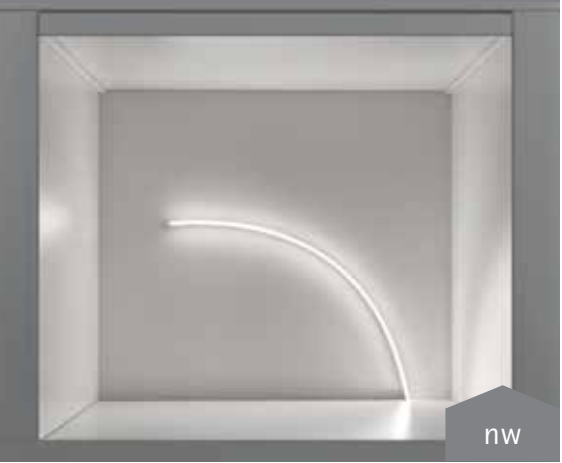


Luminaire type: LED surface-mounted/
recessed light
Type of lighting: Accent lighting
Operating voltage: 12 V DC
Light colours: WarmWhite/
NeutralWhite
Colour rendering: RA >80
Luminous flux: 150 lm/m
Luminaire efficiency: 25 lm/W
Light source efficiency: 115 lm/W
Life span: 40,000 h (L70)
Power consumption: 6 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM/Smart.home
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 44 (Only in the gated area)
Supply lead: 2 x 1800 mm
Plug connector: LED mini
M1 plug connector
LED ballast
Connection to:

Light distribution diagram 70°

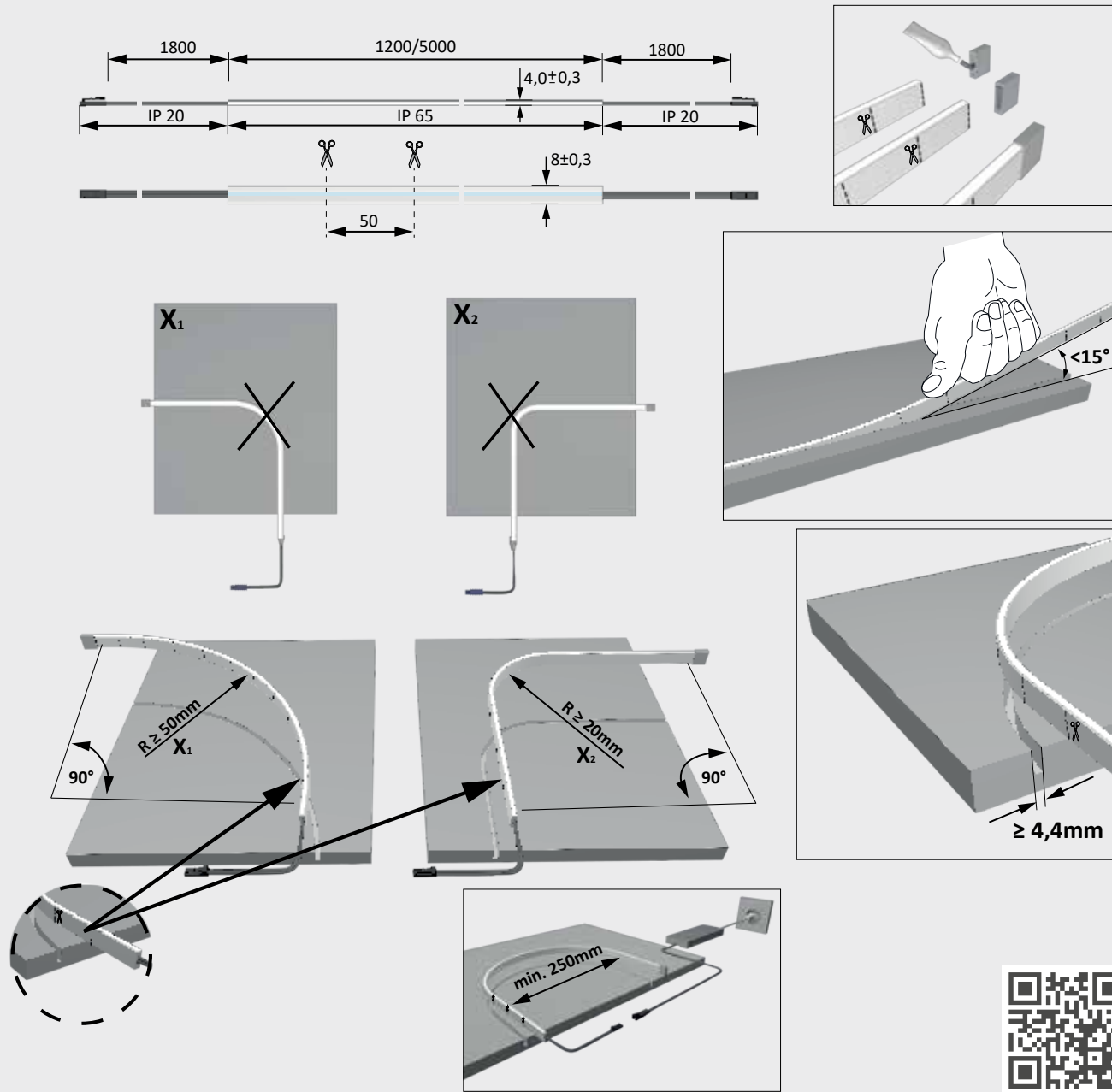


Light box



Dimensional drawing / installation

Can be individually cut to size





Versa Inside MultiColor

Advantages

- ▶ Powerful luminaire with adjustable light colour (RGB)
 - ▶ Pleasant rainbow colour spectrum
 - ▶ Creates a feel-good atmosphere thanks to adjustable colour flow
- ▶ Indirect room lighting in ceilings, bathroom furniture and bed headboards
 - ▶ Corporate colour in marketing and company logos
 - ▶ Mood lighting in edges, plinths, panels and profiles

Features

- ▶ Remote control of the light colour S-Mitter MultiColor
 - ▶ Possibility of synchronous control of additional luminaires by repeater
 - ▶ Setting of a fixed light colour possible, also after power failure (memory function)
- ▶ S-Mitter remote control and receiver must be ordered separately
 - ▶ Please note ChannelLine overview

Versa Inside MultiColor

	MultiColor
5000 mm (max. 72 W)	55 659 01

Accessories*

S-Mitter Remote Control MultiColor	30 918 05
S-Mitter MultiColor receiver (max. 72 W)	30 923 05
MultiColor repeater (max. 72 W)	30 263 03
Direct connector 90° (max. 72 W) - Set of 10	36 311 04
Flexible connector 100 mm (max. 72 W) - set of 10	36 312 04
Feeder 1700 mm for sections (max. 72 W)	36 313 04
LED ballast 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

* Further accessories in section Switch systems

Technical details



Luminaire type: Surface-mounted light
Type of lighting: Accent lighting
Operating voltage: 24 V DC
Light colour: MultiColor
Life span: 40,000 h (L70)
Power consumption: 14.4 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM
Number of LEDs: 60/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 20
Supply lead: 1700 mm
Plug connector: LED Multi Color
Plug connector: LED ballast and LED colour control

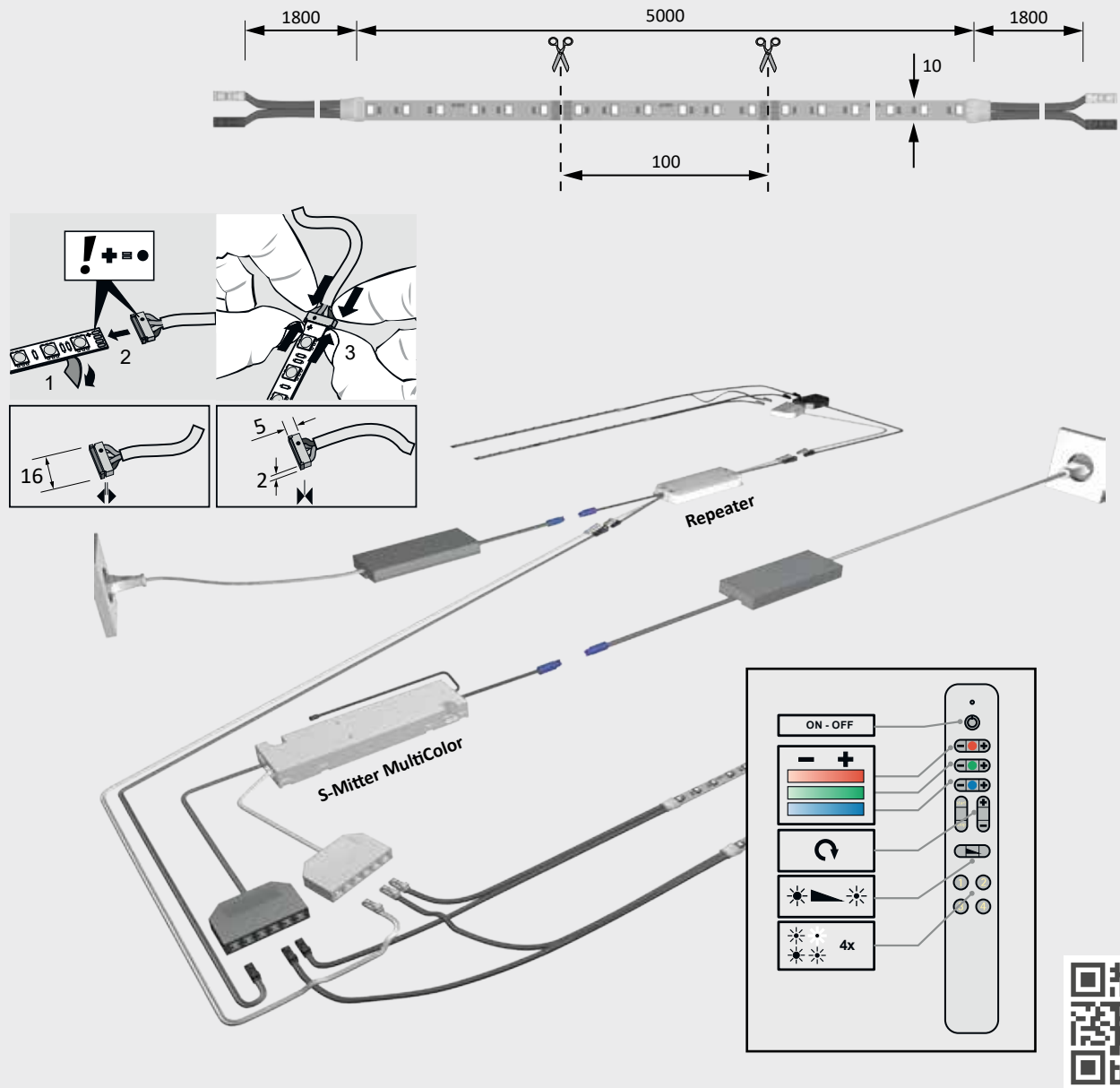
Connection to:

Light box



Dimensional drawing / installation

Can be individually cut to size





Versa Inside MaxiColor

Advantages

- Powerful luminaire with adjustable light colour plus WarmWhite (RGB-W)
 - Pleasant rainbow colour spectrum with pastel colours
 - Creates a feel-good atmosphere thanks to adjustable colour flow
 - Powerful light with colour change option plus WarmWhite (RGB-W)
- Indirect room lighting in ceilings, bathroom furniture and bed headboards
 - Corporate colour in Marketing and company logos
 - Mood lighting in edges, plinths, panels and profiles
 - Must be used with aluminium profiles

Features

- Remote control of the light colour S-Mitter MaxiColor (4 light scenes)
 - The use of an additional S-Mitter MaxiColor Smart receiver allows further wireless synchronous control (ZigBee/TouchLink) of additional luminaires
 - Setting of a fixed light colour possible, also after power failure (memory function)
- S-Mitter remote control and Smart receiver must be ordered separately
 - Please note ChannelLine overview

Versa Inside MaxiColor (RGB-W)

	MaxiColor
5000 mm (max. 96 W)	56 011 01

Accessories*

S-Mitter Smart remote control MaxiColor	31 132 01
S-Mitter Smart Receiver MaxiColor (max. 120 W)	31 133 01
LED ballast with Euro flat plug (75 W)	31 017 01
LED ballast with Euro flat plug (150 W)	30 017 11

* Further accessories in section Switch systems

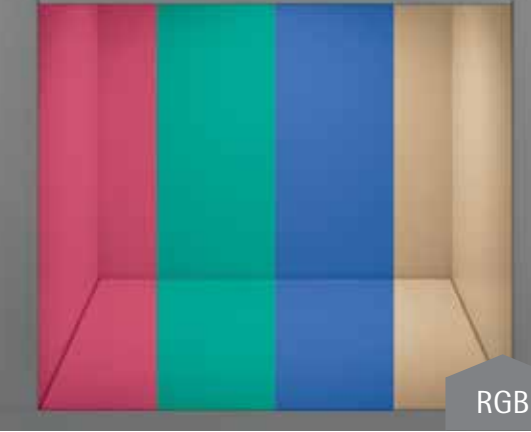
Technical details



Luminaire type: Surface-mounted light
Type of lighting: Accent lighting
Operating voltage: 24 V DC
Light colours: MultiColor and WarmWhite
Colour rendering*: RA >80
Luminous flux*: 400 lm/m
Light source efficiency*: 80 lm/W
*applies to white LED only

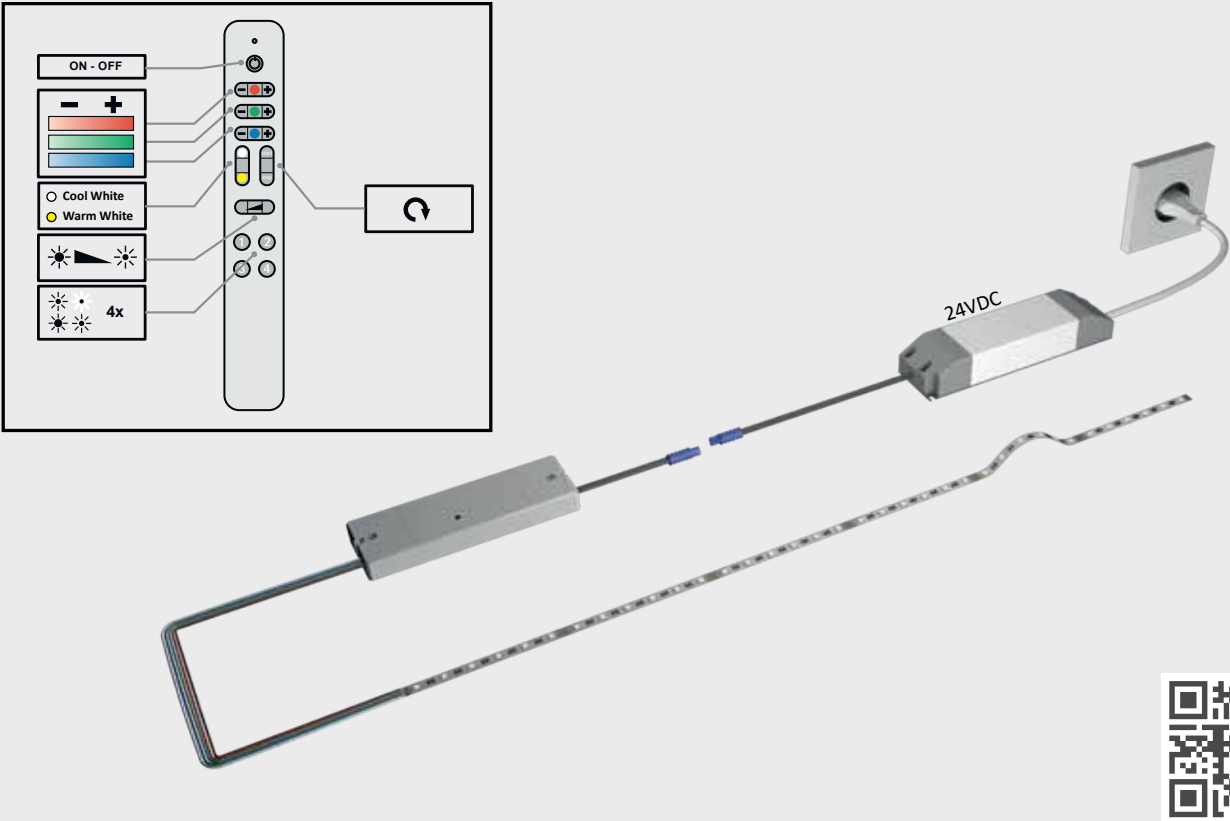
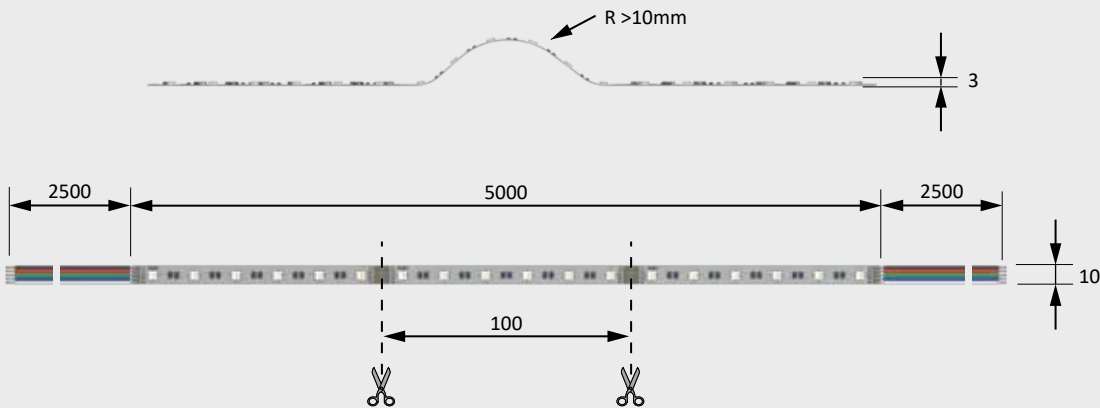
Life span: 40,000 h (L70)
Power consumption: 19.2 W/m
Max. length at a stretch: 5 m
Dimmable: Yes/PWM/Smart.home
Number of LEDs: 60/m
Beam angle: 120°
Half value angle: 70°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 2500 mm
Connection to: LED ballast and LED colour control

Light box



Dimensional drawing / installation

Can be individually cut to size



ChannelLine sample set

55 559 01

With this set you receive sample pieces of all profiles, covers and end caps of the ChannelLine range under a single collective number.

B, D2, G2, i2 and i3 in the aluminium version
C, D, G1 and i in the black anodised version.

ChannelLine samples

30 cm sample pieces of the profiles and covers can be found on the respective product pages.

Versa Inside sample set

55 825 11

Included are ready-to-connect 30 cm pieces of all Versa Inside models (no Plus and Super Plus models), as well as matching clamp connectors and additional connection cables.

HALEMEIER sample sets

The perfect aid to sales

What light colours and intensities do the Versa LED strips have in use?

What effect do the new ChannelLine profiles have in black as compared to silver?

What covers are available for them?

It is very easy to answer all these questions during a sales discussion – with the HALEMEIER sample sets.

All HALEMEIER ChannelLine and Versa Inside articles can be found in the sample sets. They show diverse possibilities for individual combination of profile and strip in a short and practical presentation.

The sets are available for a fee – your HALEMEIER contact person will be delighted to provide you with a sample set.

ChannelLine profiles

Description of the different cover profiles

Black cover:

In switched off state, blends perfectly with aluminium. Very modern look. But influences light quantity and colour.

Opal cover:


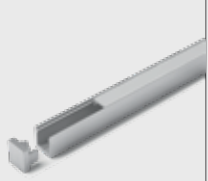
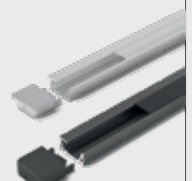
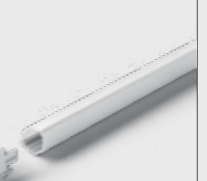
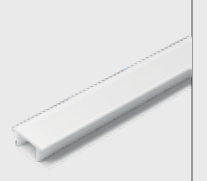
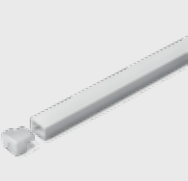
The light is diffused, thus avoiding glare and, with a suitable combination of profile and strip, no LED light points are visible. The special material of the **Magic** covers hardly changes the light colour of the LED. Brightness is lost due to the diffusion effect.

Clear coverage:

Enables maximum light output or brightness, LEDs are visible, care must be taken to avoid glare.



Recommended combinations of Versa strips in ChannelLine profiles								
Model		ChannelLine A	ChannelLine K	ChannelLine B / D2		ChannelLine C / D		
								
Cover		Opal	Opal	Opal	Black	Clear	Opal	Black
Advantages		High quality recessed profile Homogeneous and glare-free light line Can be used at sight level	Recessed profile made of opal plastic Homogeneous and glare-free light line	High quality deep recessed profile B with filigree profile trim D2 for flush mounting		High-quality flat recessed/surface-mounted profile C with filigree profile trim D for flush installation		
Applications / product features		Edge lighting for kitchen worktops backlighting	Ideal for back wall illumination Versatile for use as accent lighting	Interior cabinet lighting in the floor Kitchen niches or top shelves, mirror frame lighting		Interior cabinet lighting in the floor Kitchen niche or top shelves, niches		
Light transmission		90 %	90 %	65 %	15 %	85 %	70 %	20 %
Half-value angle		90°	90°	60°		60°		
Versa 40	Type of lighting	Accent light	Accent light	Accent light	Accent light	Accent light		
	Light point visibility	Low	Low	Visible		Visible		
Versa 80	Type of lighting	Accent light	Accent light	Accent light		Accent light		
	Light point visibility	Invisible	Invisible	low	Visible	Visible		
Versa 120	Type of lighting	Accent/functional light	Accent/functional light	Accent/functional light	Accent light	Accent/functional light		Accent light
	Light point visibility	Invisible	Invisible	Invisible	Invisible	Visible		Visible
Versa 160	Type of lighting	Functional light	Functional light	Functional light	Accent light	Functional light		Accent light
	Light point visibility	Invisible	Invisible	Invisible	Invisible	Visible	Invisible	
Versa 233 HP	Type of lighting	Functional light	Functional light	Functional light		Functional light		
	Light point visibility	Invisible	Invisible	Invisible		Visible	Invisible	

Recommended combinations of Versa strips in ChannelLine profiles							
ChannelLine i / i2		ChannelLine i3	ChannelLine G1 / G2		ChannelLine H	ChannelLine F	ChannelLine N
							
Opal	Black	Opal	Opal	Black	Opal	Opal	Opal
High-quality filigree recessed/surface-mounted profile 2 with filigree profile trim I for flush mounting		High quality deep recessed profile Almost rimless luminous surface For flush mounting	Glare-free and angled light emission G2 with filigree profile trim G1 for flush recessing		Mounting profile for the corner Almost rimless luminous surfaces wide light emission	Beam angle and homogeneity can be varied with the milling depth	Plastic profile with opal top for gluing on
Accent lighting in display cabinets or shelves Staircase steps		Accent lighting in display cabinets or shelves Flush with storage surfaces on the wall	Interior cabinet lighting Retrofitting in kitchen niches Product presentation on sales shelves		Furniture corners Kitchen niches	For milling into the wood	Furniture floors Furniture studs
70 %	20 %	70 %	65 %	15 %	60 %	80 %	50 %
60°		60°	Straight 60° Oblique 30°		70°	60°	60°
Accent light		Accent light	Accent light		Accent light	Accent light	Accent light
Visible		Visible	Visible		Visible	Visible	Visible
Accent light		Accent light	Accent light		Accent light	Accent light	Accent light
Visible		Low	Low	Visible	Low	Low	Visible
Accent/functional light	Accent light	Accent/functional light	Accent/functional light	Accent light	Accent/functional light	Accent/functional light	Accent/functional light
Visible		Invisible	Invisible	Low	Invisible	Invisible	Visible
Functional light	Accent light	Functional light	Functional light	Accent light	Functional light	Functional light	Functional light
Visible		Invisible	Invisible	Invisible	Invisible	Invisible	Visible
Functional light	Functional light	Functional light	Functional light		Functional light	Functional light	Functional light
Invisible	Invisible	Invisible	Invisible		Invisible	Invisible	Invisible
Accent/functional light	Accent light	Accent/functional light	Accent/functional light	Accent light	Functional light	Accent/functional light	Accent/functional light
Invisible	Invisible	Invisible	Invisible		Invisible	Invisible	Invisible

ChannelLine A

- Advantages

 - ▶ High quality recessed profile
 - ▶ Homogeneous and glare-free light line
 - ▶ Can be installed at sight level
- Examples of use

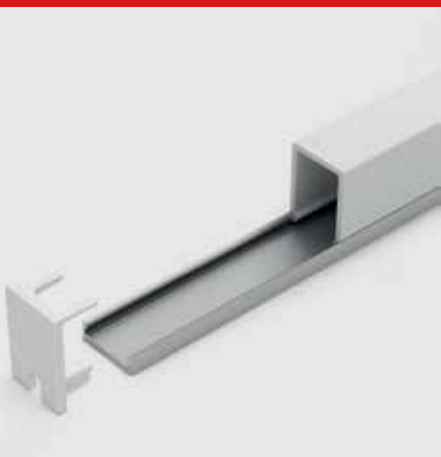
 - ▶ Edge lighting for kitchen countertops or vertically between fronts
 - ▶ Backlighting for low or sideboards
- Features

 - ▶ Homogeneous light line with Versa Inside from 80 LED/m
 - ▶ Beam angle in installed condition is approx. 35°
- Order information

 - ▶ Use of feeders and connectors possible in profile
 - ▶ For selection see ChannelLine overview

ChannelLine A	
	Opal
2000 mm	38 817 03
4000 mm	38 817 02
4000 mm (set of 5)	38 817 12
End cap (2 units per set)	25 567 01
Sample piece 300 mm	50 000 01
Cleaning cloth (isopropanol)	36 502 01

Technical details

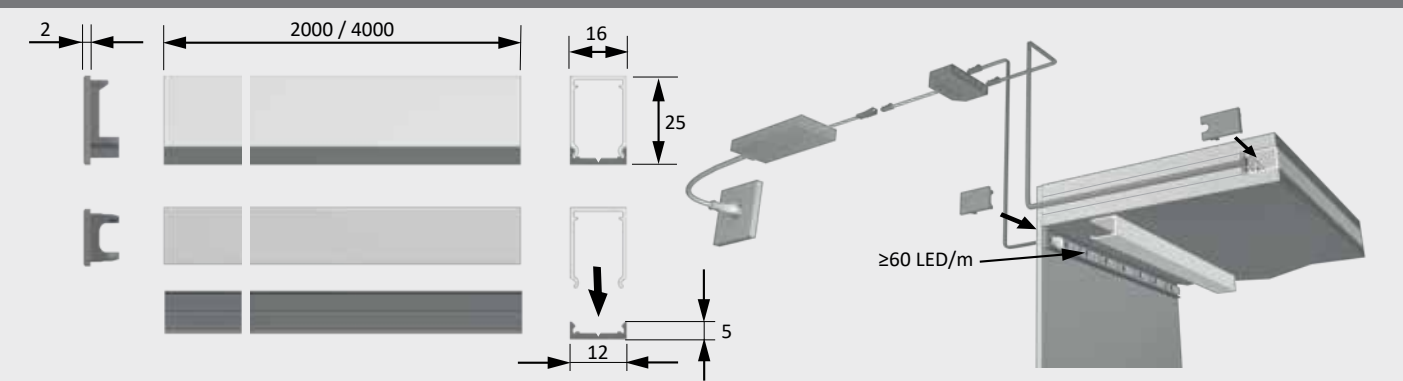


Recommended for:

Versa Inside 80
Versa Inside 120
Versa Inside MultiColor
Versa Inside MaxiColor



Dimensional drawing / installation



ChannelLine K

- Advantages

 - ▶ Recessed profile made of opal plastic
 - ▶ Homogeneous and glare-free light line
- Examples of use

 - ▶ Ideal for rear wall backlighting
 - ▶ Versatile for use as accent lighting
- Features

 - ▶ Homogeneous light line with Versa Inside from 40 LED/m
- Order information

 - ▶ Application picture shows ChannelLine K with Versa Inside 40
 - ▶ For selection see ChannelLine overview

ChannelLine K	
	Opal
2000 mm	55 716 11
2000 mm (set of 10)	55 716 13
3000 mm	55 716 12
3000 mm (set of 10)	55 716 14
Sample piece 300 mm	50 029 01
Cleaning cloth (isopropanol)	36 502 01

Technical details

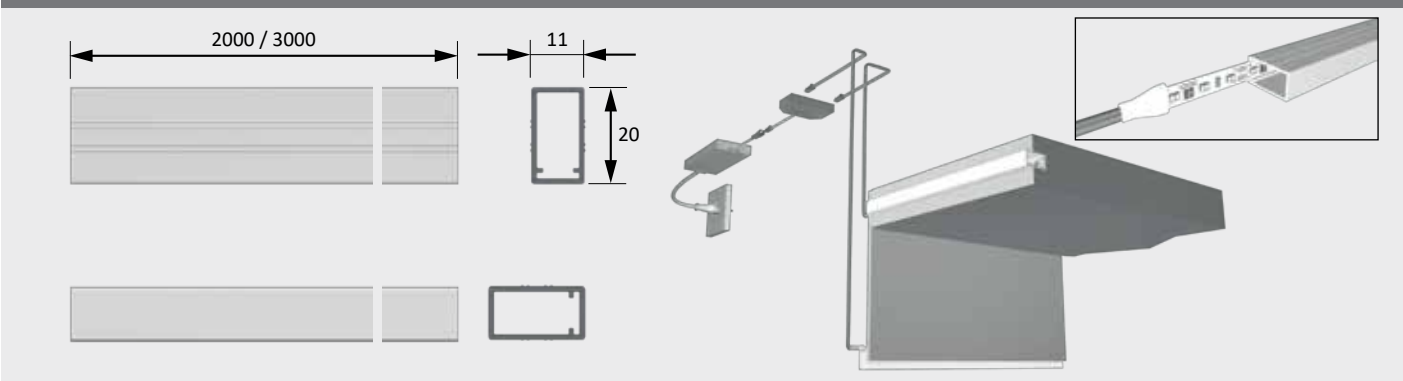


Recommended for:

Versa Inside 40
Versa Inside 80



Dimensional drawing / installation





ChannelLine B

Advantages

- ▶ High quality deep recessed profile
- ▶ With filigree profile trim
- ▶ Cover is attachable from above or retractable from the side

Features

- ▶ New Opal cover - 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 120 LED/m
- ▶ Wide beam angle of approx. 100°

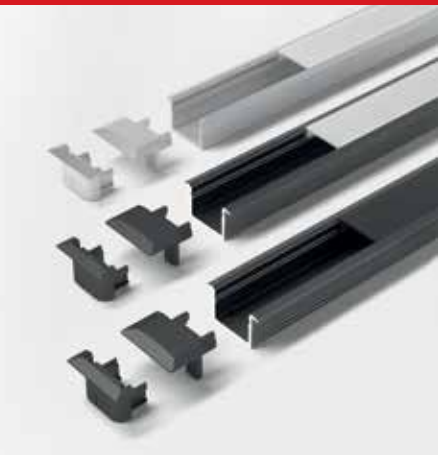
Examples of use

- ▶ Interior cabinet lighting in the floor
- ▶ Kitchen niche or top
- ▶ Shelves

Order information

- ▶ Use of feeders and connectors in the profile possible
- ▶ To increase the luminosity, two Versa Inside can be attached side by side
- ▶ For selection see ChannelLine overview

Technical details



Recommended for:

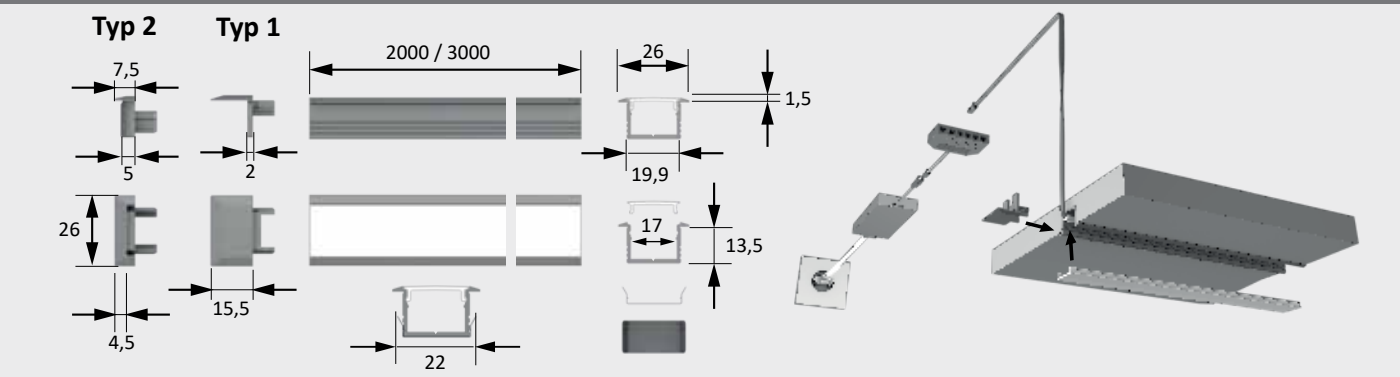
Versa Inside 120
Versa Inside 160



ChannelLine B

	Alu / Opal	Black / Opal	Black / Black
2000 mm	55 871 01	55 871 05	55 871 07
2000 mm (set of 10)	55 871 11	55 871 15	55 871 17
3000 mm	55 871 02	55 871 06	55 871 08
3000 mm (set of 10)	55 871 12	55 871 16	55 871 18
End cap (set of 2) lacquered	25 568 01	25 568 05	25 568 05
End cap type 2 (set of 2) lacquered	25 785 01	25 785 05	25 785 05
Built-in spring ChannelLine B (set of 2)	25 536 01	25 536 01	25 536 01
Sample piece profile 300 mm	50 001 01	50 002 01	50 002 01
Sample piece cover 300 mm	50 009 01	50 009 01	50 011 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation



ChannelLine C

Advantages

- ▶ High quality flat recessed profile
- ▶ With filigree profile trim
- ▶ Cover can be attached from above or from the side

Features

- ▶ New opal cover - 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 160 LED/m
- ▶ Wide beam angle of approx. 110°

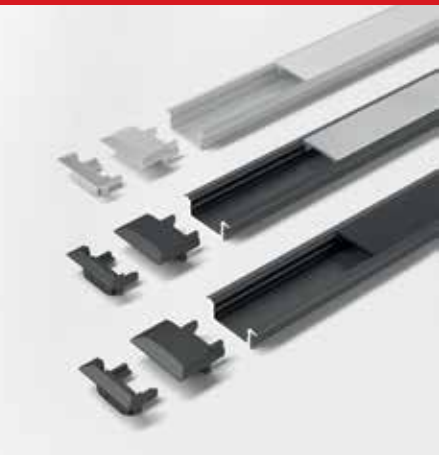
Examples of use

- ▶ Interior cabinet lighting in the floor
- ▶ Kitchen niche or top
- ▶ Shelves

Order information

- ▶ Use of feeders and connectors in the profile possible
- ▶ To increase the luminosity, two Versa Inside can be attached side by side
- ▶ For selection see ChannelLine overview

Technical details



Recommended for:

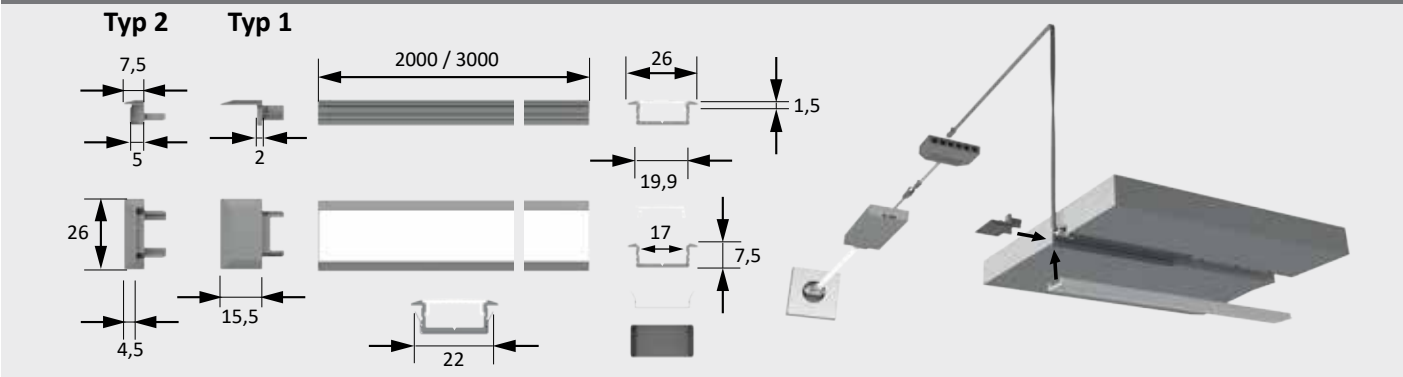
Versa Inside 120
Versa Inside 160
Versa Linear



ChannelLine C

	Alu / Opal	Alu / Clear	Black / Opal	Black / Black
2000 mm	55 872 01	55 661 11	55 872 05	55 872 07
2000 mm (set of 10)	55 872 11	55 661 15	55 872 15	55 872 17
3000 mm	55 872 02	55 661 12	55 872 06	55 872 08
3000 mm (set of 10)	55 872 12	55 661 16	55 872 16	55 872 18
End cap (set of 2) lacquered	25 569 01	25 569 01	25 569 05	25 569 05
End cap type 2 (set of 2) lacquered	25 786 01	25 786 01	25 786 05	25 786 05
Built-in spring ChannelLine C (set of 2)	25 536 01	25 536 01	25 536 01	25 536 01
Sample piece profile 300 mm	50 003 01	50 003 01	50 004 01	50 004 01
Sample piece cover 300 mm	50 009 01	50 010 01	50 009 01	50 011 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation





ChannelLine D

Advantages

- ▶ High-quality flat recessed/surface-mounted profile
- ▶ For flush mounting
- ▶ Cover can be attached from above or from the side

Features

- ▶ New opal cover – 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 160 LED/m with opal diffuser
- ▶ Very wide beam angle of approx. 110°

Examples of use

- ▶ Flush with the inside of the cabinet
- ▶ Retrofitting in niches

Order information

- ▶ Use of feeders and connectors in the profile possible
- ▶ To increase the luminosity, two Versa Inside can be attached side by side
- ▶ For selection see ChannelLine overview

Technical details



Recommended for:

Versa Inside 120
Versa Inside 160
Versa Linear



ChannelLine D2

Advantages

- ▶ High-quality deep recessed/surface-mounted profile
- ▶ For flush mounting
- ▶ Cover can be attached from above or from the side

Features

- ▶ New opal cover – 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 120 LED/m with opal cover
- ▶ Wide beam angle of approx. 75°

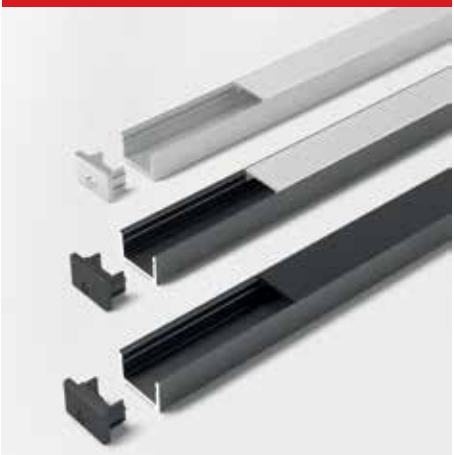
Examples of use

- ▶ Flush with top shelves
- ▶ Retrofitting in niches
- ▶ Mirror frame lighting

Order information

- ▶ Use of feeders and connectors in the profile possible
- ▶ To increase the luminosity, two Versa Inside can be attached side by side
- ▶ For selection see ChannelLine overview

Technical details



Recommended for:

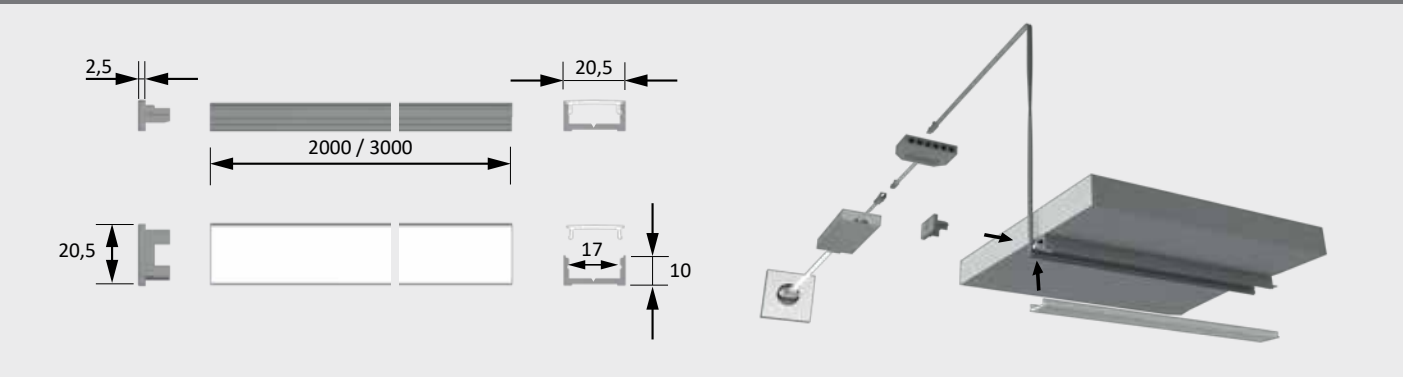
Versa Inside 120
Versa Inside 160



ChannelLine D

	Alu/Opal	Alu/Clear	Black/Opal	Black / Black
2000 mm	55 873 01	55 662 11	55 873 05	55 873 07
2000 mm (set of 10)	55 873 11	55 662 15	55 873 15	55 873 17
3000 mm	55 873 02	55 662 12	55 873 06	55 873 08
3000 mm (set of 10)	55 873 12	55 662 16	55 873 16	55 873 18
End cap (set of 2) lacquered	25 570 01	25 570 01	25 570 05	25 570 05
Sample piece profile 300 mm	50 005 01	50 005 01	50 006 01	50 006 01
Sample piece cover 300 mm	50 009 01	50 010 01	50 009 01	50 011 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01	36 502 01

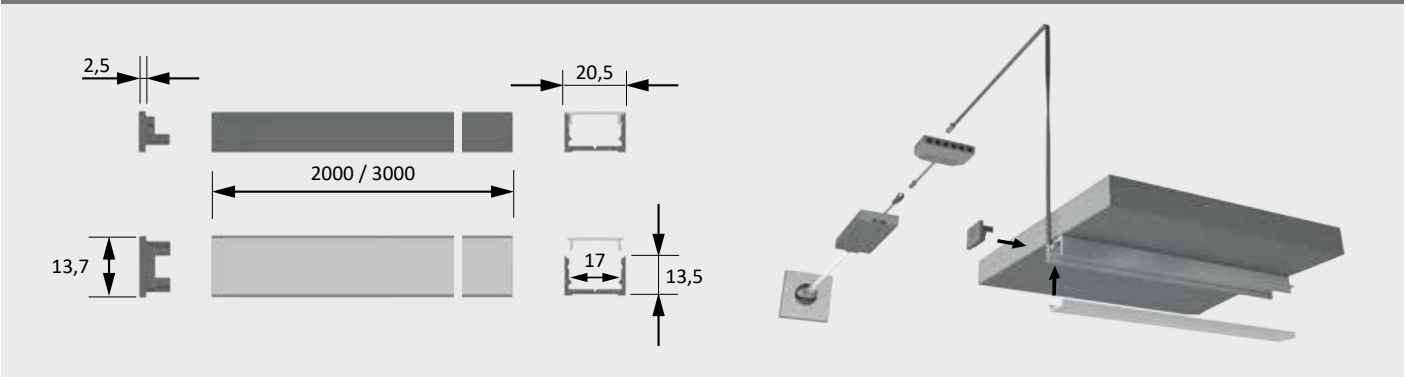
Dimensional drawing / installation



ChannelLine D2

	Alu/Opal	Black/Opal	Black / Black
2000 mm	55 870 01	55 870 21	55 870 07
2000 mm (set of 10)	55 870 05	55 870 25	55 870 17
3000 mm	55 870 02	55 870 22	55 870 08
3000 mm (set of 10)	55 870 06	55 870 26	55 870 18
End cap (set of 2) lacquered	25 774 01	25 774 05	25 774 05
Sample piece profile 300 mm	50 007 01	50 008 01	50 008 01
Sample piece cover 300 mm	50 009 01	50 009 01	50 011 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation



ChannelLine i

- Advantages

 - ▶ High-quality recessed/surface-mounted profile
 - ▶ Almost rimless illuminated surface
 - ▶ For flush mounting
 - ▶ Filigree profile for thin materials
- Examples of use

 - ▶ Flush with cabinet sides or shelves
 - ▶ Retrofitting in niches
- Features

 - ▶ New opal cover – 30% more light and only slight change in light colour
 - ▶ Homogeneous light line with Versa Inside from 233 LED/m
 - ▶ Very wide beam angle of approx. 100°
- Order information

 - ▶ For selection see ChannelLine overview

Technical details

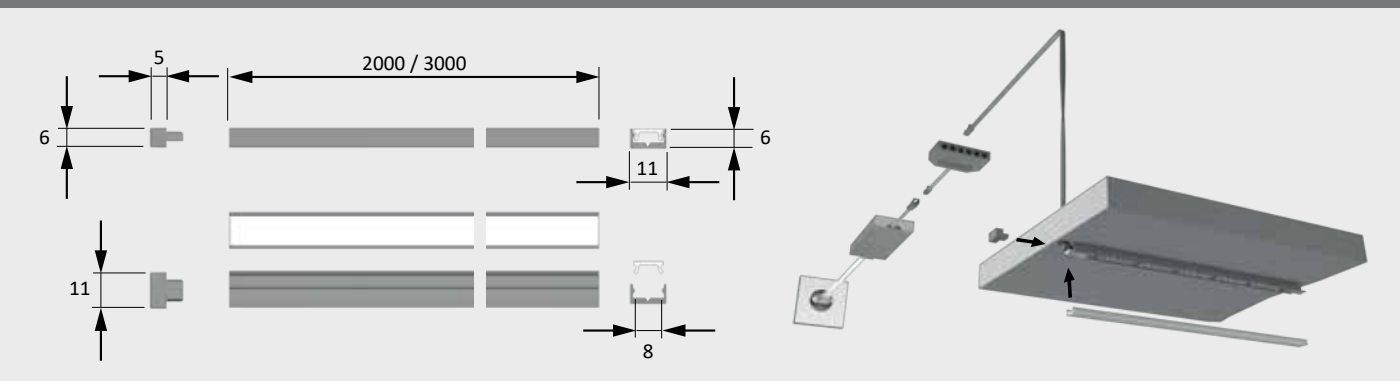


Recommended for:

Versa Inside 233 HP
Versa Linear



Dimensional drawing / installation



ChannelLine i2

- Advantages

 - ▶ High quality recessed profile
 - ▶ With filigree profile trim
 - ▶ Glare-free and concentrated light emission
 - ▶ Filigree profile for thin materials
- Examples of use

 - ▶ Accent lighting in display cabinets or shelves
 - ▶ Stairs
- Features

 - ▶ New Opal cover – 30% more light and only slight change in light colour
 - ▶ Homogeneous light line with Versa Inside from 160 LED/m with opal cover
 - ▶ Narrow beam angle of approx. 35°
- Order information

 - ▶ For selection see ChannelLine overview

Technical details



Recommended for:

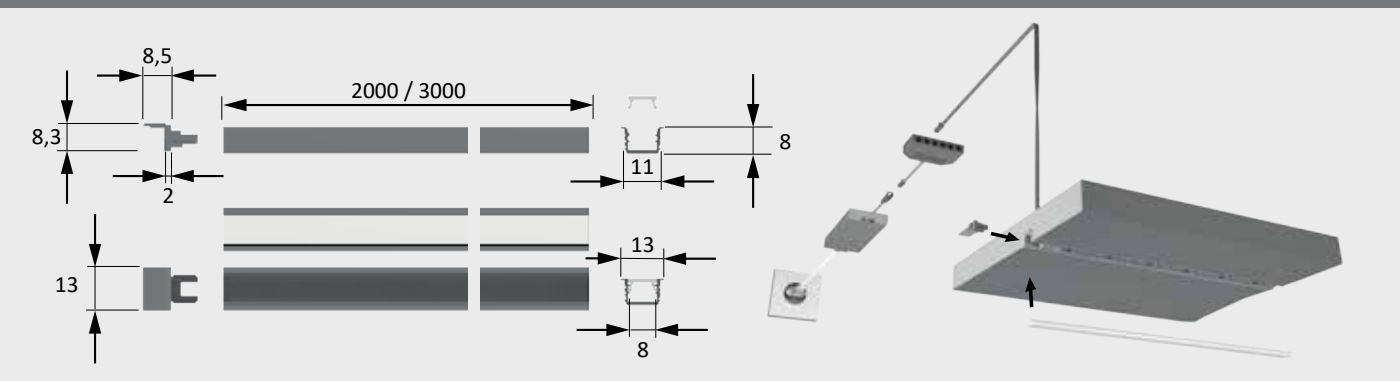
Versa Inside 160
Versa Inside 233 HP
Versa Linear



ChannelLine i2

	Alu/Opal	Black/Opal	Black / Black
2000 mm	55 887 01	55 887 05	55 887 07
2000 mm (set of 10)	55 887 11	55 887 15	55 887 17
3000 mm	55 887 02	55 887 06	55 887 08
3000 mm (set of 10)	55 887 12	55 887 16	55 887 18
End cap (set of 2) lacquered	25 799 01	25 799 05	25 799 05
Sample piece profile 300 mm	50 023 01	50 024 01	50 024 01
Sample piece cover 300 mm	50 026 01	50 026 01	50 028 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation





ChannelLine i3

- Advantages

 - ▶ High quality deep recessed profile
 - ▶ Almost rimless illuminated surface
 - ▶ Glare-free and concentrated light emission
 - ▶ For flush mounting
- Examples of use

 - ▶ Accent lighting in display cabinets or shelves
 - ▶ Flush with storage surfaces on the wall
- Features

 - ▶ New Opal cover - 30% more light and only slight change in light colour
 - ▶ Homogeneous light line with Versa Inside from 120 LED/m
 - ▶ Narrow beam angle of approx. 35°
- Order information

 - ▶ For selection see ChannelLine overview

Technical details



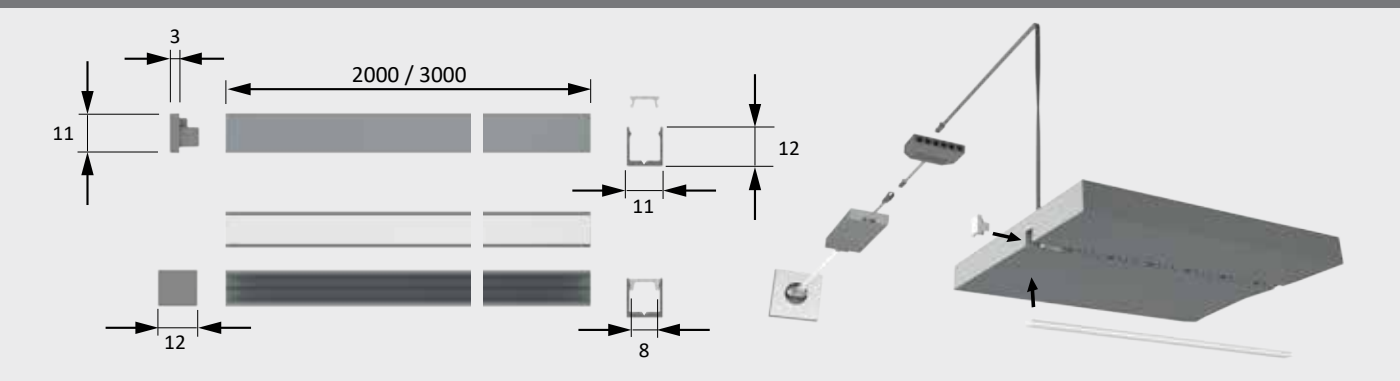
Recommended for:

Versa Inside 120
Versa Inside 160



ChannelLine i3	
	Alu/Opal
2000 mm	55 608 01
2000 mm (set of 10)	55 608 11
3000 mm	55 608 02
3000 mm (set of 10)	55 608 12
End cap (set of 2) lacquered	25 985 01
Sample piece profile 300 mm	50 025 01
Sample piece cover 300 mm	50 026 01
Cleaning cloth (isopropanol)	36 502 01

Dimensional drawing / installation



ChannelLine L

- Advantages

 - ▶ Recessed profile with chrome-plated design strip
 - ▶ Glare-free light emission
- Examples of use

 - ▶ Wardrobe halo lighting
 - ▶ Mirror frame lighting
- Features

 - ▶ Homogeneous light line with Versa Inside from 80 LED/m
 - ▶ Plastic profile

Technical details



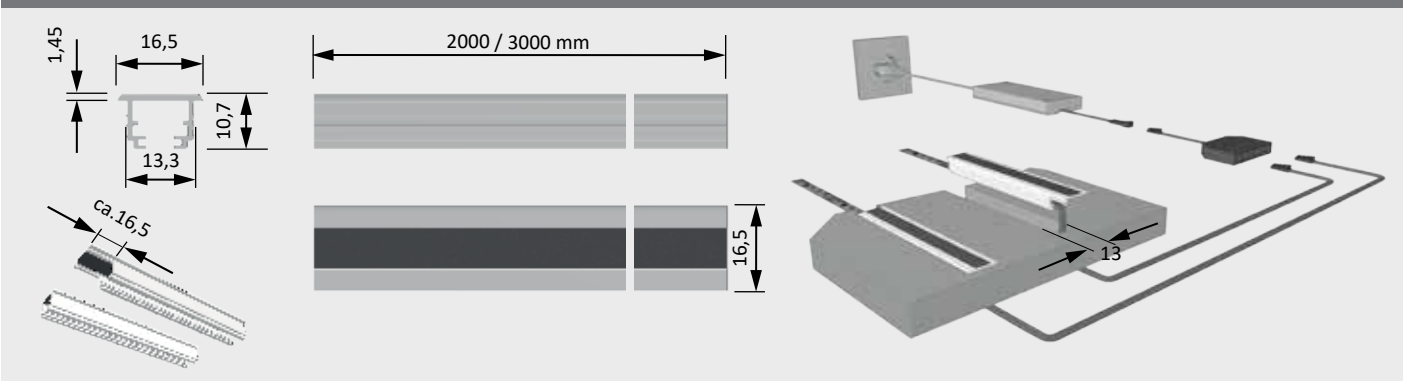
Recommended for:

Versa Inside 80
Versa Inside 120



ChannelLine L	
	Opal
2000 mm	55 759 01
2000 mm (set of 10)	55 759 03
3000 mm	55 759 02
3000 mm (set of 10)	55 759 04
Sample piece 300 mm	50 032 01

Dimensional drawing / installation





ChannelLine G1

Advantages

- ▶ Recessed/surface-mounted profile
- ▶ Glare-free and angled light emission
- ▶ For flush mounting

Features

- ▶ New Opal cover - 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 120 LED/m with opal cover
- ▶ Angled beam angle of approx. 90°

Examples of use

- ▶ Cabinet interior lighting
- ▶ Retrofitting in kitchen niches
- ▶ Product presentation on sales shelf

Order information

- ▶ Two Versa Inside can be inserted - one radiates diagonally and one radiates straight from within the profile
- ▶ For selection see ChannelLine overview

Technical details



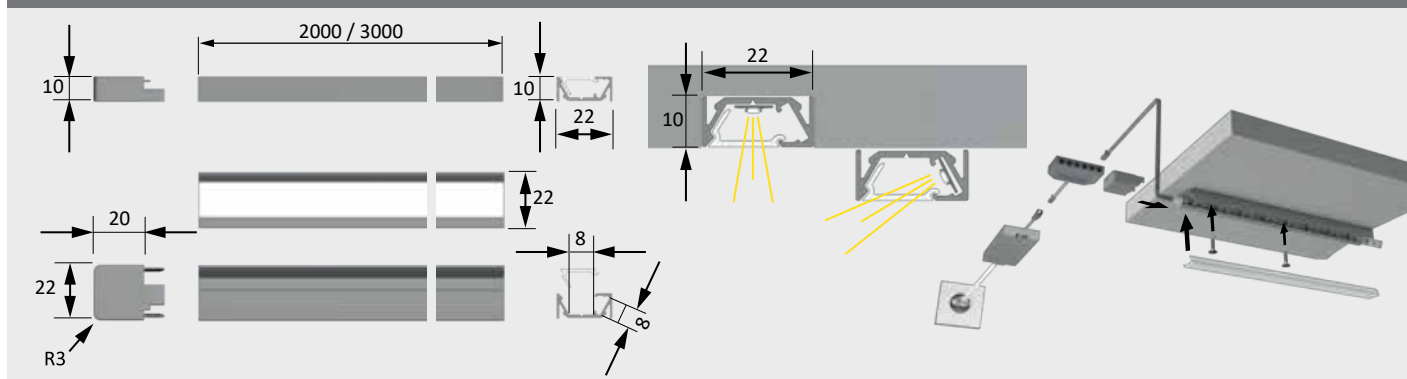
Recommended for:

Versa Inside 120
Versa Inside 160



ChannelLine G1	Alu / Opal	Black / Opal	Black / Black
2000 mm	55 875 01	55 875 05	55 875 07
2000 mm (set of 10)	55 875 11	55 875 15	55 875 17
3000 mm	55 875 02	55 875 06	55 875 08
3000 mm (set of 10)	55 875 12	55 875 16	55 875 18
End cap (set of 2) lacquered	25 554 01	25 554 05	25 554 05
Sample piece profile 300 mm	50 013 01	50 014 01	50 014 01
Sample piece cover 300 mm	50 017 01	50 017 01	50 019 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation



ChannelLine G2

Advantages

- ▶ Recessed/surface-mounted profile
- ▶ Glare-free and angled light emission
- ▶ With filigree profile trim

Features

- ▶ New Opal cover - 30% more light and only slight change in light colour
- ▶ Homogeneous light line with Versa Inside from 120 LED/m with opal cover
- ▶ Angled beam angle of approx. 90°

Examples of use

- ▶ Cabinet interior lighting
- ▶ Kitchen midway sections
- ▶ Product presentation on sales shelf

Order information

- ▶ Two Versa Inside can be inserted - one radiates diagonally and one radiates straight from within the profile
- ▶ For selection see ChannelLine overview

Technical details



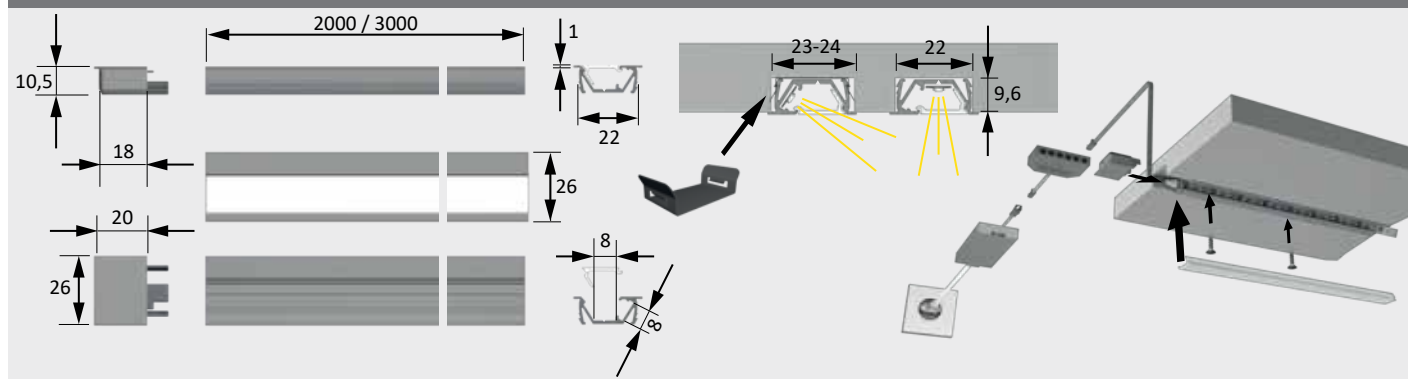
Recommended for:

Versa Inside 120
Versa Inside 160



ChannelLine G2	Alu / Opal	Black / Opal	Black / Black
2000 mm	55 876 01	55 876 05	55 876 07
2000 mm (set of 10)	55 876 11	55 876 15	55 876 17
3000 mm	55 876 02	55 876 06	55 876 08
3000 mm (set of 10)	55 876 12	55 876 16	55 876 18
End cap (set of 2) lacquered	25 556 01	25 556 05	25 556 05
Installation spring (2 units per set)	25 607 01	26 607 01	25 607 01
Sample piece profile 300 mm	50 015 01	50 016 01	50 016 01
Sample piece cover 300 mm	50 017 01	50 017 01	50 019 01
Cleaning cloth (isopropanol)	36 502 01	36 502 01	36 502 01

Dimensional drawing / installation





ChannelLine H

- Advantages**

 - ▶ Surface-mounted profile for corner
 - ▶ Almost rimless illuminated surface
 - ▶ Round cover for wide light emission
 - ▶ Can be screwed on both sides
- Features**

 - ▶ Homogeneous light line with Versa Inside from 120 LED/m
 - ▶ Very wide beam angle of approx. 90°
- Examples of use**

 - ▶ Furniture corners
 - ▶ Kitchen midway sections
- Order information**

 - ▶ Use of feeders and connectors in the profile possible
 - ▶ To increase the luminosity, two Versa Inside can be attached side by side
 - ▶ For selection see ChannelLine overview

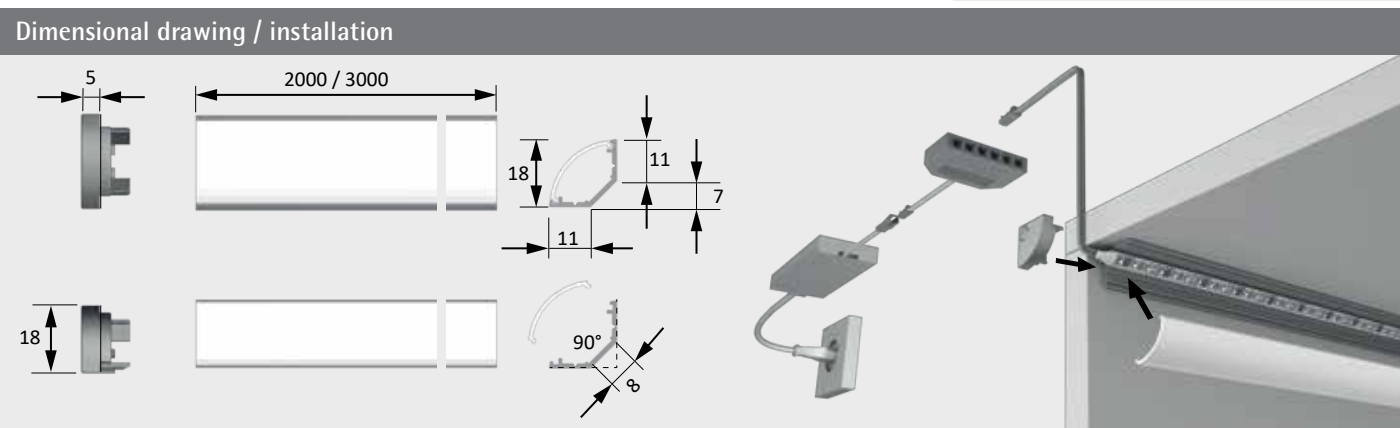
Technical details



Recommended for:

Versa Inside 120
Versa Inside 160

ChannelLine H		Opal
2000 mm		55 706 01
2000 mm (set of 10)		55 706 03
3000 mm		55 706 02
3000 mm (set of 10)		55 706 04
End cap (set of 2) lacquered		25 559 01
Sample piece 300 mm		50 020 01
Cleaning cloth (isopropanol)		36 502 01



ChannelLine F

- Advantages**

 - ▶ Versatile use
 - ▶ Entry-level price
- Features**

 - ▶ Beam angle and homogeneity can be varied according to the milling depth
- Examples of use**

 - ▶ For milling into the wood
- Order information**

 - ▶ Use of feeders and connectors possible in profile
 - ▶ For selection see ChannelLine overview

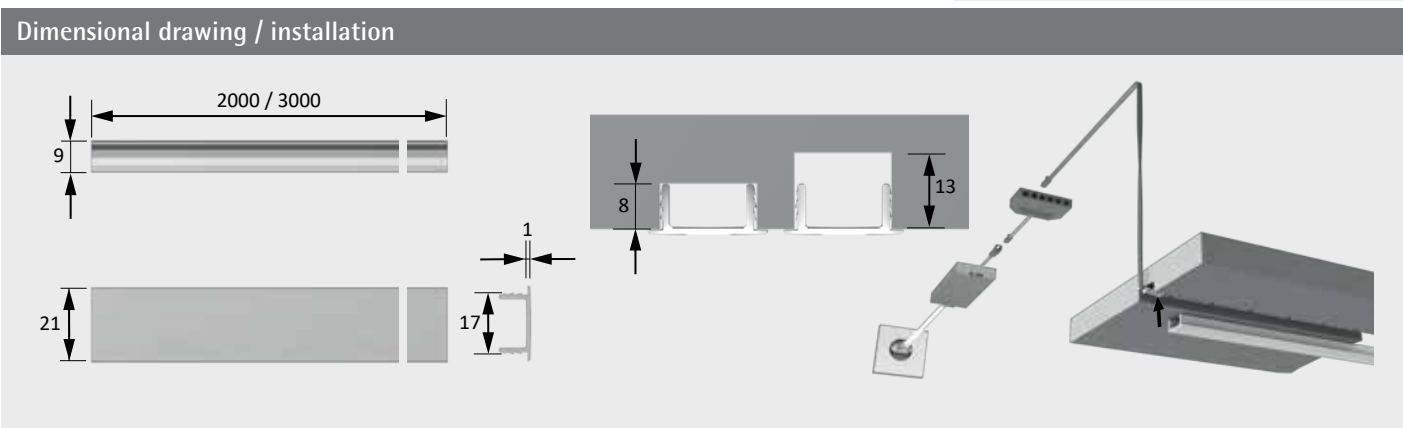
Technical details



Recommended for:

Versa Inside 120
Versa Inside 160

ChannelLine F		Opal
2000 mm		55 664 01
3000 mm		55 664 02
3000 mm (set of 10)		55 641 13
Sample piece cover 300 mm		50 012 01





Linear lights

ChannelLine profile

Spotlights

Special lights

Switch systems

Ballasts / leads

Lighting knowledge

ChannelLine M

Advantages

- Filigree inlet profile in anodised aluminium
- Glare-free and angled light emission
- No light loss due to cover

Features

- Homogeneous light line with Versa Linear
- Unidirectional beam angle of approx. 90°

Examples of use

- Interior cabinet lighting as a functional or accent lighting

Order information

- Only suitable for 8 mm wide Versa
- For selection see ChannelLine overview

Technical details



Recommended for:

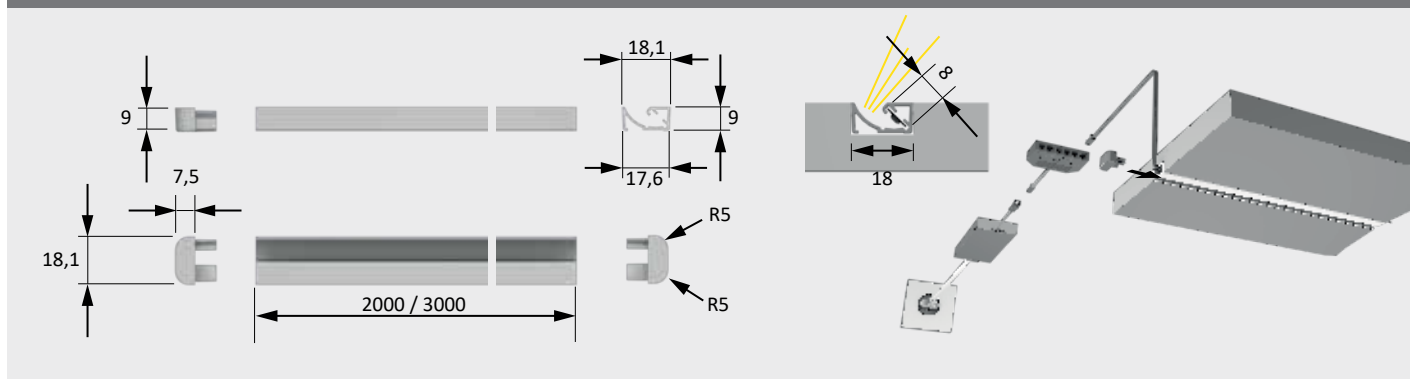
Versa Linear



ChannelLine M

	Aluminium
2000 mm	55 760 01
2000 mm (set of 10)	55 760 03
3000 mm	55 760 02
3000 mm (set of 10)	55 760 04
End cap (set of 2) lacquered	25 984 01
Sample piece 300 mm	50 030 01
Cleaning cloth (isopropanol)	36 502 01

Dimensional drawing / installation



ChannelLine N

Advantages

- Plastic profile with opal cover for glueing on
- Versatile

Features

- Profile for combination with one Versa light
- Mounting under the furniture floor for indirect lighting

Examples of use

- Furniture bases
- Furniture plinth

Order information

- For selection see ChannelLine overview

Technical details



Recommended for:

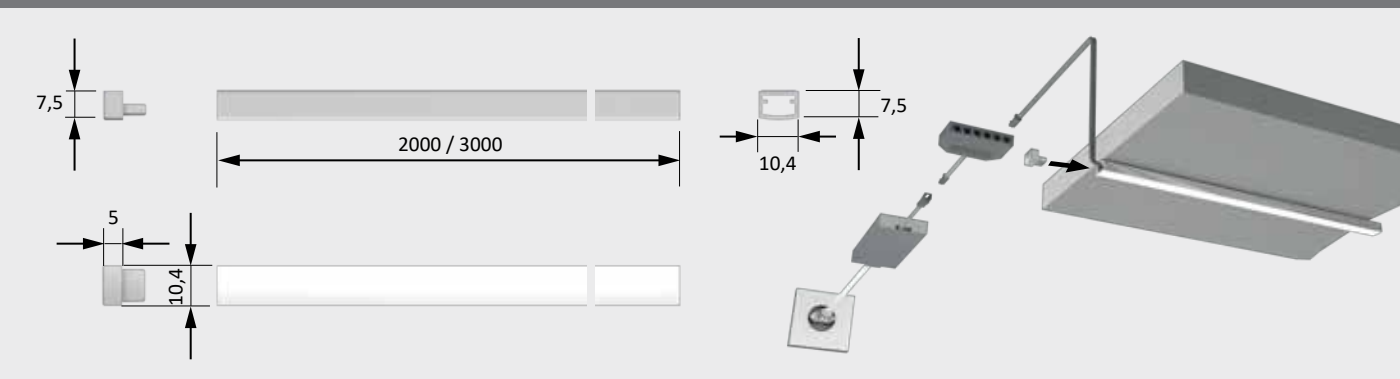
Versa Inside 80
Versa Inside 120



ChannelLine N

	Opal
1200 mm	55 758 01
1200 mm (set of 10)	55 758 03
End cap (2 units per set)	25 898 01
Sample piece 300 mm	50 031 01

Dimensional drawing / installation





ChannelLine sensor

- Advantages**
- Switches and dims Versa luminaires through touch
 - With built-in orientation LED
- Features**
- Direct installation in the ChannelLine profile

- Examples of use**
- For ChannelLine B, C, D and D2
- Order information**
- For single-colour Versa luminaires

Technical details



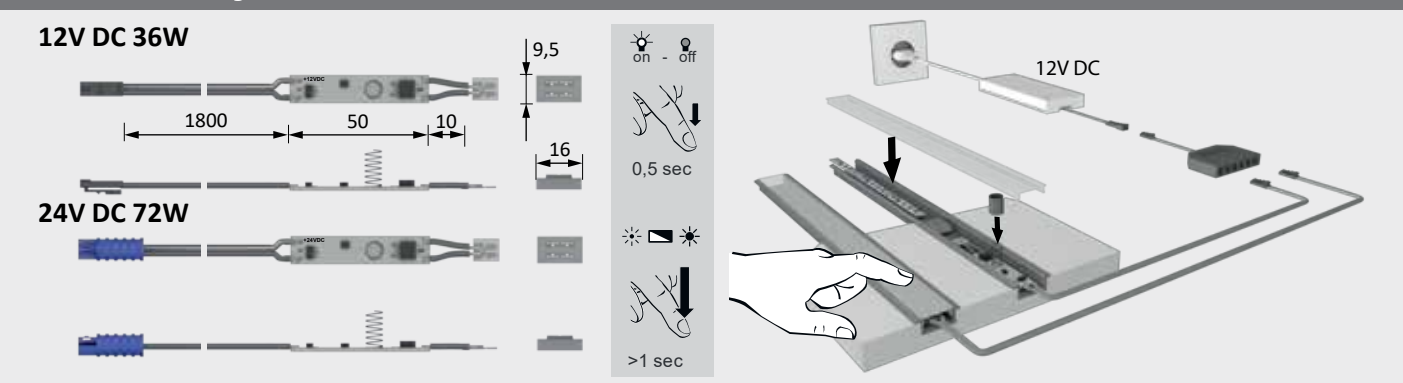
Operating voltage: 12 / 24 V DC
Max. switching power: 36 W / 72 W
Test marks and symbols: CE, RoHS, WEEE
Supply lead: 1800 mm
Standby: < 0.5 W



ChannelLine sensor

	Opal
ChannelLine Sensor 12 Volt DC	31 051 01
ChannelLine Sensor 24 Volt DC	31 052 01

Dimensional drawing / installation



ChannelLine Sensor PIR

- Advantages**
- Motion sensor for insertion into the profile
 - Responds to heat and movement
- Features**
- Direct installation in the ChannelLine profile

- Examples of use**
- For ChannelLine B, C, D and D2
- Order information**
- Also suitable for MultiWhite Versa

Technical details



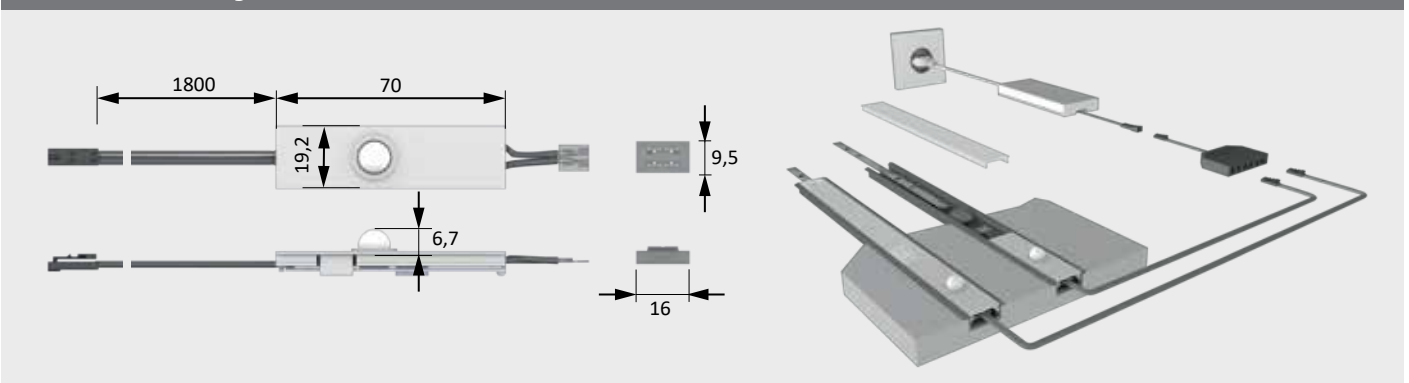
ChannelLine PIR Motion Sensor

ChannelLine sensor 12 V DC	30 170 01
----------------------------	-----------

Operating voltage: 12 V DC
Max. switching power: 36 W
Test marks and symbols: CE, RoHS, WEEE
Sensing angle: 120°
Range: 2 m
Stay-'ON' time: 30 seconds
Supply lead: 1800 mm
Standby: < 0.5 W



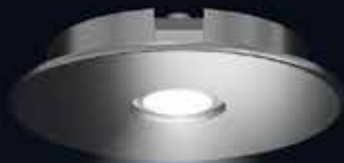
Dimensional drawing / installation





Wide beam
LitePanel 68

LitePanel creates bright light – into the furthest corners of the furniture.



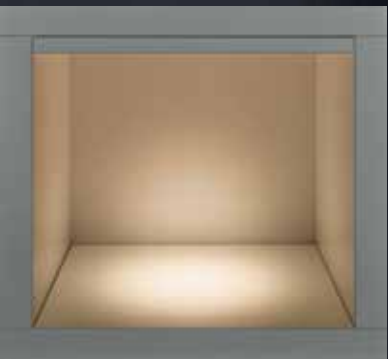
PowerLite
like halogen

The light of the PowerLite draws an aesthetic shadow on the back wall of the furniture.



Spotted
with SuperDot

SuperDot sets decorations perfectly in scene, with an ideal interplay of light and shadow.



Spotlights

Outwardly small, but big in luminosity

Our spotlights are small in size but big in performance: in relation to their size, they impress with excellent light output.

Built into ceilings or furniture, they shine with accentuated, focused or pointed light.



SuperSpot eco

- Advantages**

 - Powerful furniture LED light
 - Low installation depth
- Examples of use**

 - Shelves
 - Kitchen niches and top floors
- Features**

 - Robust metal housing
 - Plug-in connection on housing
 - Recessed light with 78 mm installed diameter
- Order information**

 - For a kitchen niche or top shelf use at least two luminaires per meter
 - With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700K)

SuperSpot eco			
	MultiWhite*	WarmWhite	NeutralWhite
Stainless steel look	32 031 39	32 031 19	32 031 09

Accessories**	
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

* MultiWhite accessories required
** Further accessories in section Switch systems

Technical details



- Luminaire type: LED recessed light

Type of lighting: Functional lighting

Surface finish: Stainless steel look

Operating voltage: 12 V DC

Light colour: MultiWhite/
WarmWhite/
NeutralWhite
- Colour rendering: RA>80

Luminous flux: 210 lm

Luminaire efficiency: 50 lm/W

Light source efficiency: 71 lm/W

Life span: 40,000 h (L70)

Power consumption: max. 4.2 W

Dimmable: Yes/PWM/Smart.home

Beam angle: 90°

Half value angle: 50°

Test mark and symbols: CE, RoHS, Energy Class A++

Protection rating: IP 20

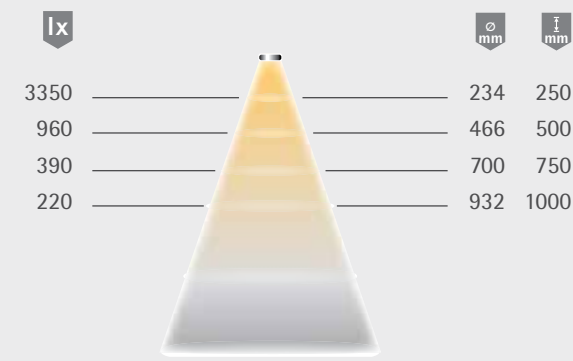
Installed diameter: 78 mm

Supply lead: 3000 mm

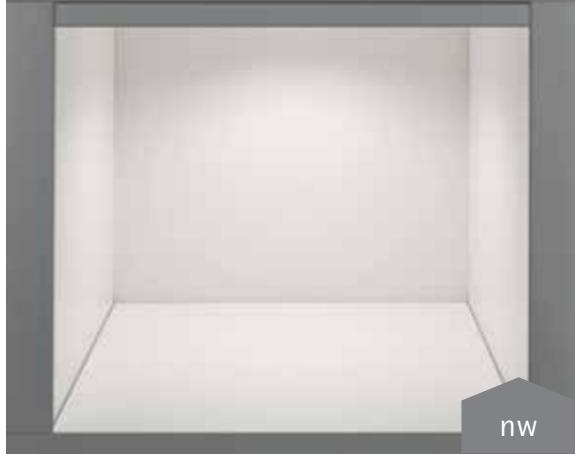
Plug connector: LED mini

Connection to: M1 plug connector
LED ballast

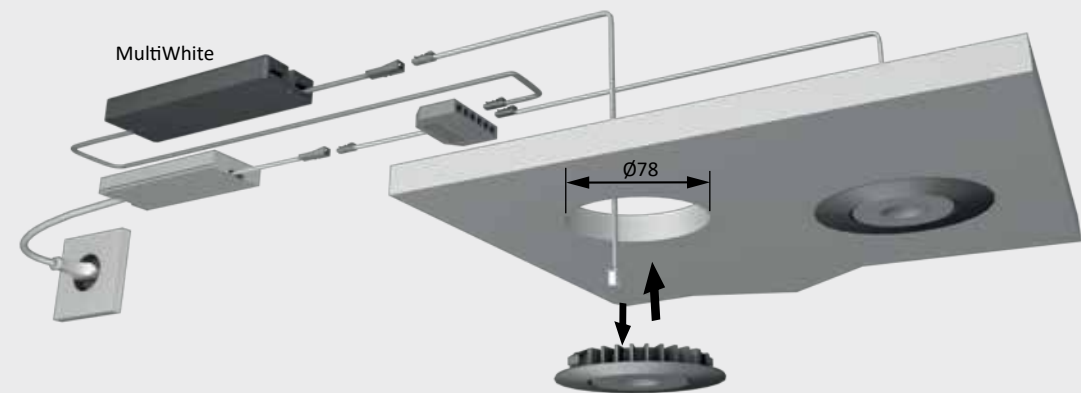
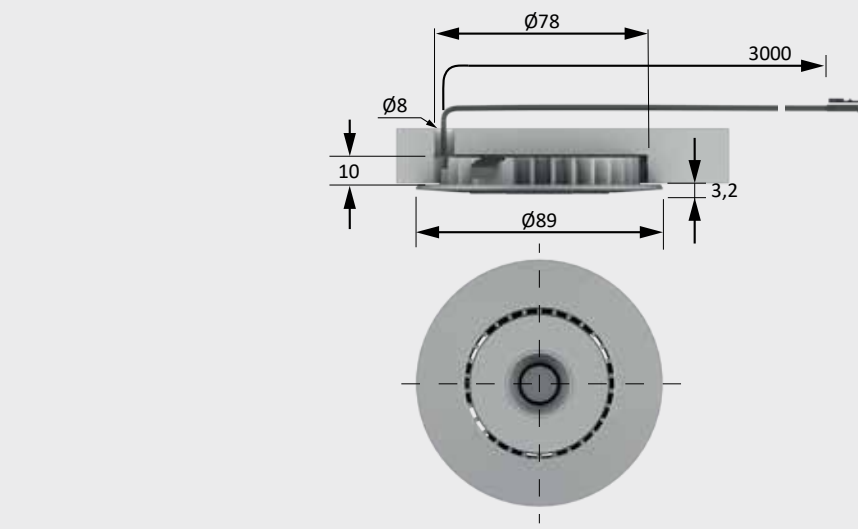
Light distribution diagram 50°



Light box



Dimensional drawing / installation





SuperSwing

- Advantages

 - Extremely bright
 - Swiveling
- Examples of use

 - For recessing in ceiling
 - Shop fittings
- Features

 - Adjustable light cone
 - Focusable light
 - Recessed light with 68 mm installed diameter

SuperSwing		
	WarmWhite	NeutralWhite
Aluminium look	55 710 16	55 710 06
Accessories		
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	

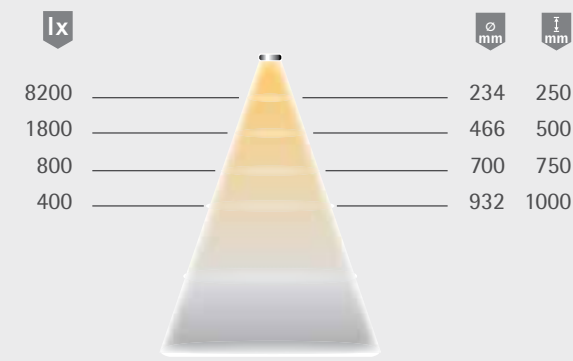
Technical details



12 V

Luminaire type: LED recessed light
Type of lighting: Functional lighting
Surface finish: Aluminium look
Operating voltage: 12 V DC
Light colour: WarmWhite/NeutralWhite
Colour rendering: RA >80
Luminous flux: 450 lm
Luminaire efficiency: 78 lm/W
Light source efficiency: 95 lm/W
Life span: 40,000 h (L70)
Power consumption: 5.8 W
Dimmable: Yes/PWM/Smart.home
Beam angle: 90°
Half value angle: 30°/50°
Test mark and symbols: CE, RoHS, Energy Efficiency Class A++
Protection rating: IP 20
Installed diameter: 68 mm
Supply lead: 150 mm
Plug connector: LED mini M1 plug connector
Connection to: LED ballast

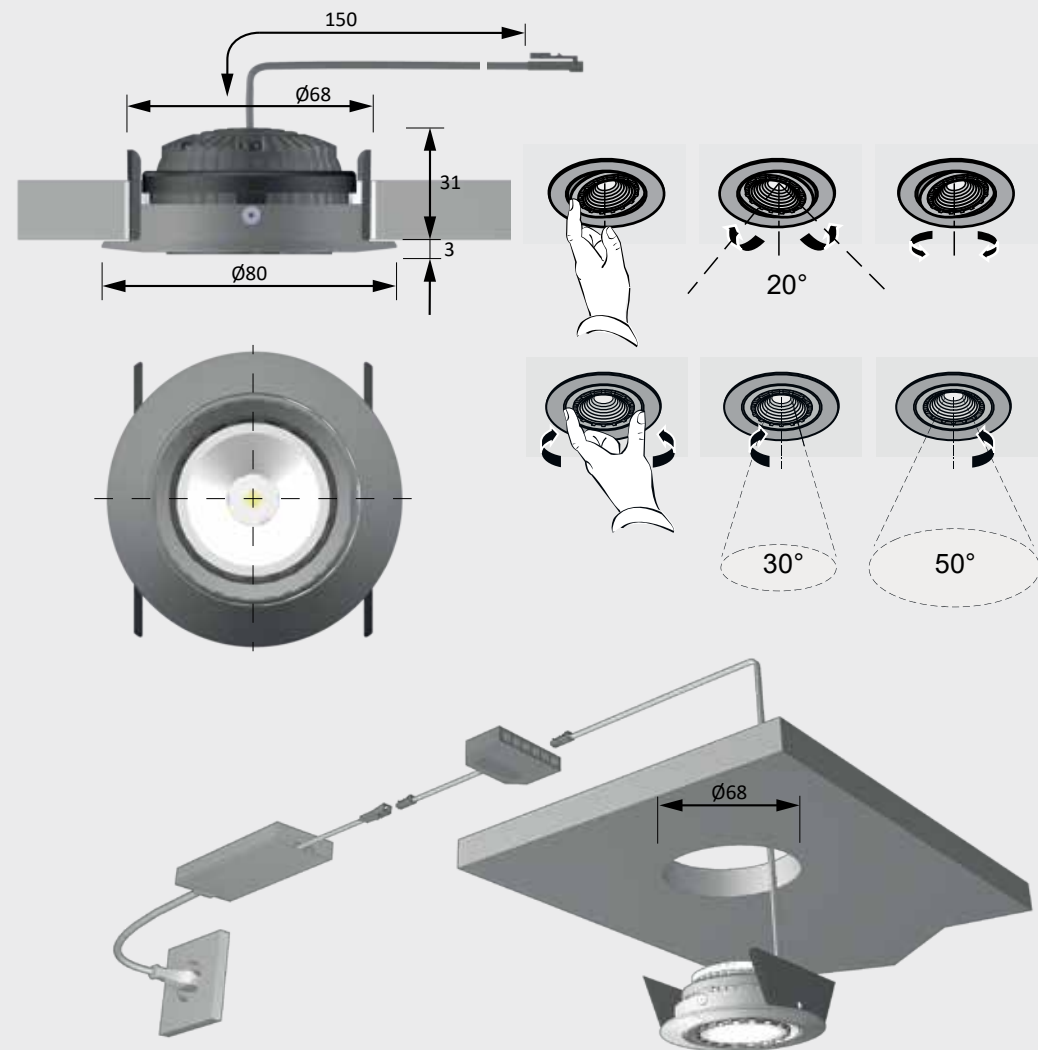
Light distribution diagram 50°



Light box



Dimensional drawing / installation





LitePanel 68

Advantages

- Modern luminaire in discreet design
- Low installation depth
- 100 % homogeneous luminous surface

Features

- High light output in relation to size
- Recessed luminaire for 68 mm mounting diameter
- Wide beam without shadows

Examples of use

- Shelves
- Display cabinets
- Kitchen midway sections

Order information

- MultiWhite control for colour adjustment required
- With direct connection to an electronic ballast, the light colour is XtraWarmWhite (2700K)
- Use at least two luminaires per meter of kitchen niche

LitePanel 68

	MultiWhite*
Black	32 348 35
Stainless steel look, anodised	32 348 39

Accessories**

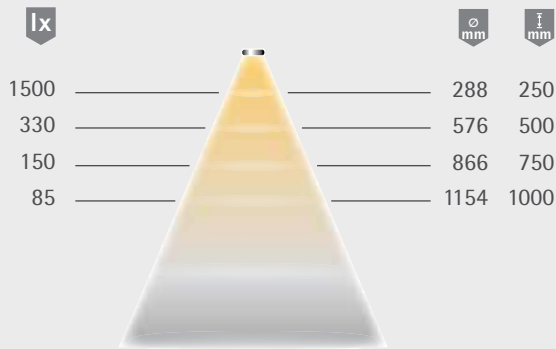
S-Mitter Basic MultiWhite Smart Set	31 123 01
LED ballast 20 W with flat Euro plug	31 016 01
M1 extension lead 1800 mm	36 768 01
M1 3-way distributor 180 mm	36 852 01
M1 6-way distributor 2000 mm	36 125 01

Technical details

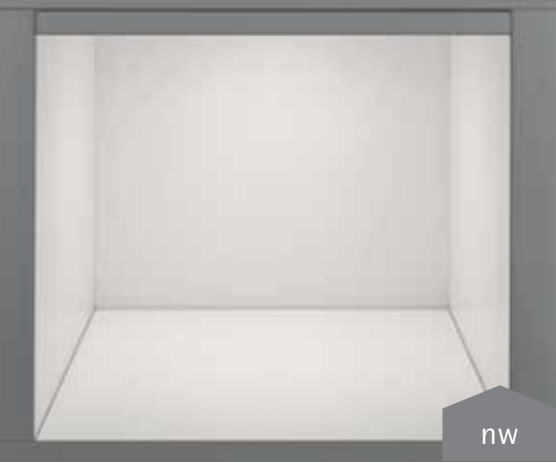


Luminaire type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Black/ stainless steel look
Operating voltage:	12 V DC
Light colour:	MultiWhite
Colour rendering:	RA >80
Luminous flux:	290 lm
Luminaire efficiency:	67 lm/W
Light source efficiency:	84 lm/W
Life span:	40,000 h (L70)
Power consumption:	4.3 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test mark and symbols:	CE
Protection rating:	IP 20
Installed diameter:	68 mm
Supply lead:	1800 mm
Plug connector:	LED mini
Connection to:	M1 plug connector LED ballast

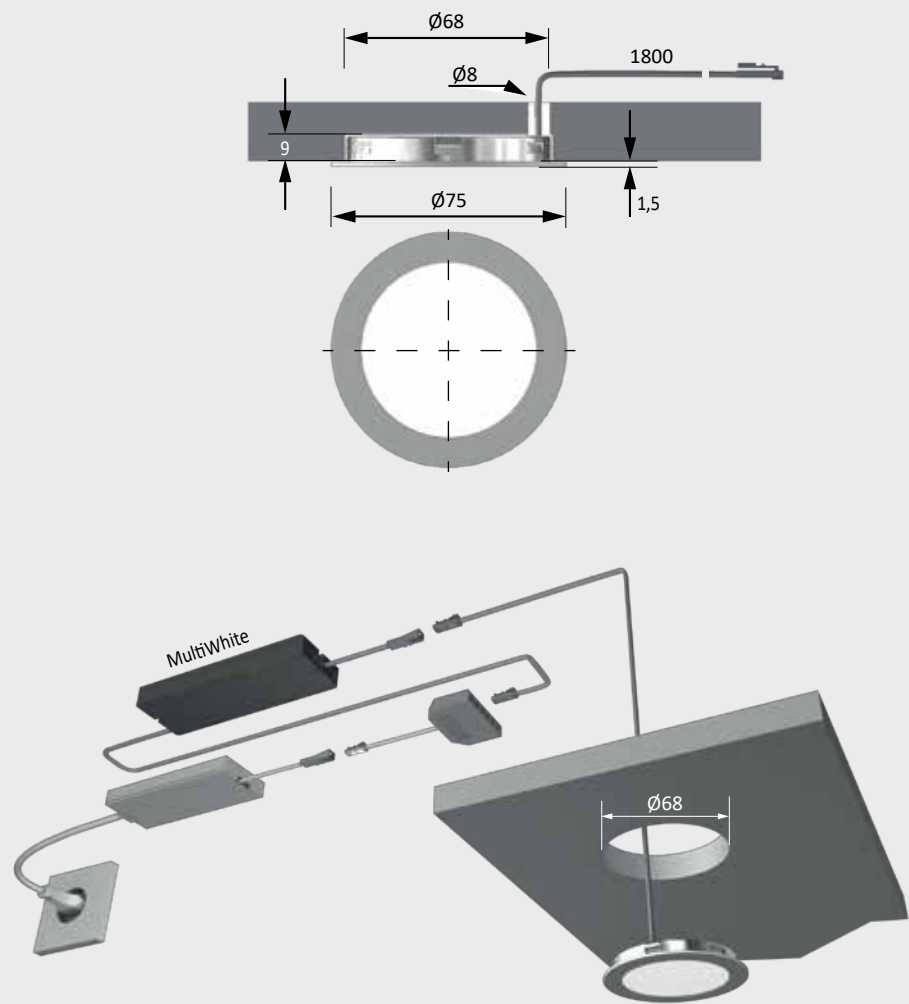
Light distribution diagram 60°



Light box



Dimensional drawing / installation



* MultiWhite accessories required
** Further accessories in section Switch systems



Swing

Advantages

- Pivotal, can avoid glare
- Design classic

Features

- Recessed luminaire for 68 mm mounting diameter
- Wide beam without shadows

Examples of use

- Shelves
- Display cabinets

Swing

	WarmWhite	NeutralWhite
Aluminium look	32 903 11	32 903 01

Accessories*

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

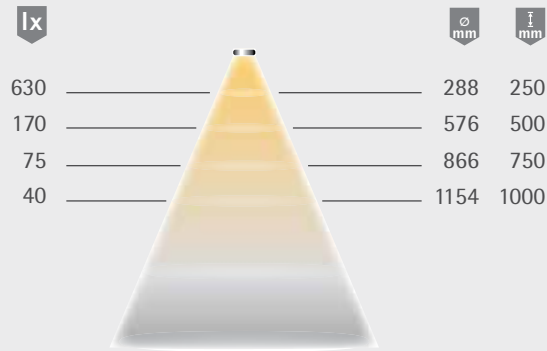
* Further accessories in section Switch systems

Technical details

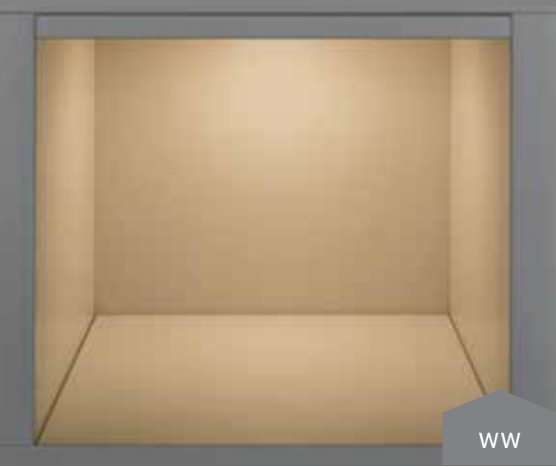


Luminaire type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	WarmWhite/ NeutralWhite
Colour rendering:	RA >90
Luminous flux:	130 lm
Luminaire efficiency:	52 lm/W
Light source efficiency:	80 lm/W
Life span:	40,000 h (L70)
Power consumption:	2.5 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test mark and symbols:	CE
Protection rating:	IP 20
Installed diameter:	68 mm
Supply lead:	1800 mm
Plug connector:	LED mini
Connection to:	M1 plug connector LED ballast

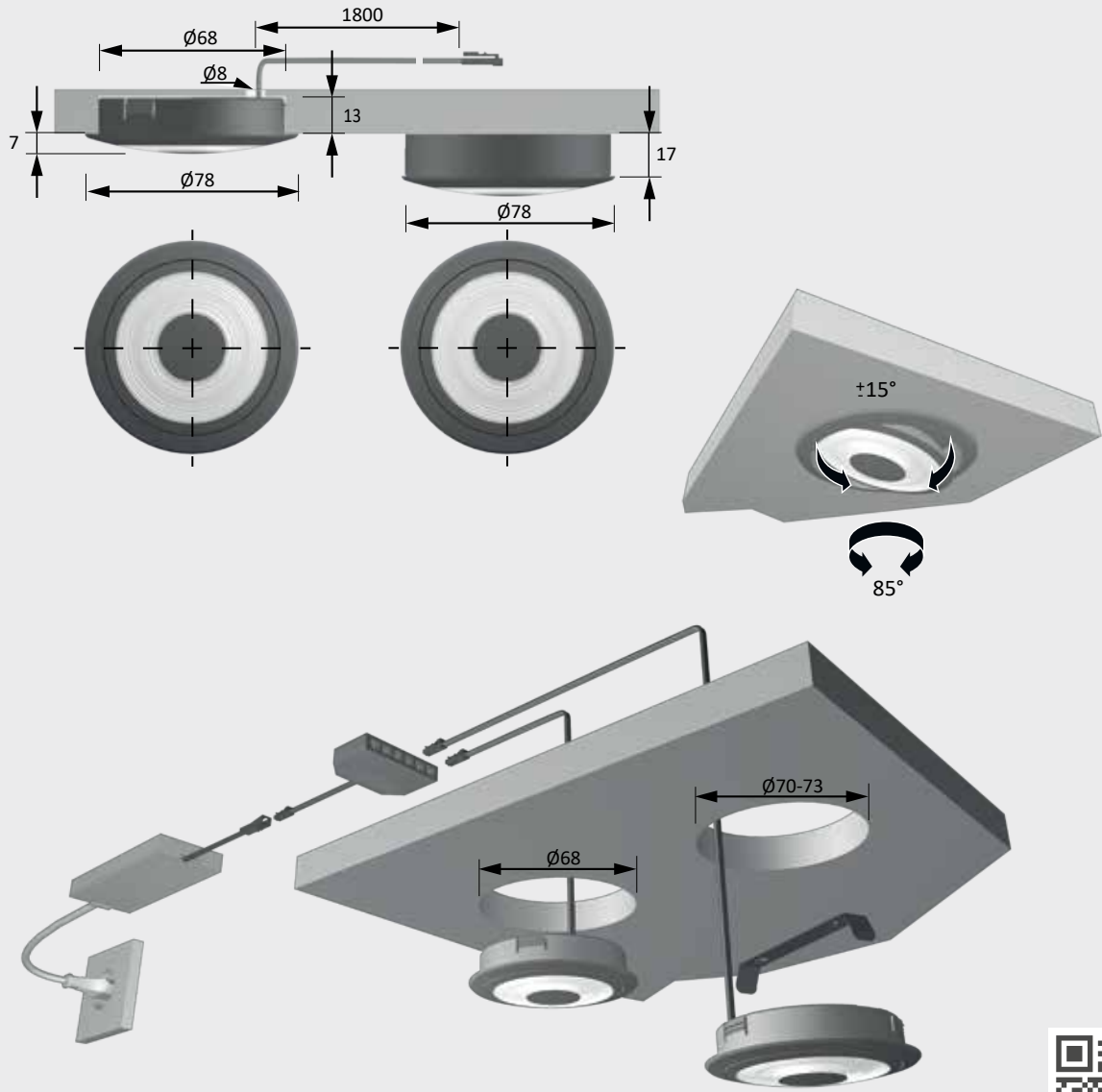
Light distribution diagram 60°



Light box



Dimensional drawing / installation





MultiLite Flood

- Advantages**

 - Available in many surfaces
 - Evenly illuminated area
 - Simple timeless design
- Examples of use**

 - Shelves
 - Display cabinets
 - Kitchen midway sections
- Features**

 - High light output in relation to size
 - Plug-in connection on housing
 - Recessed luminaire for 58 mm mounting diameter
- Order information**

 - Luminaire and cover ring must be ordered separately
 - For a kitchen niche use at least two luminaires per meter
 - With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700K)

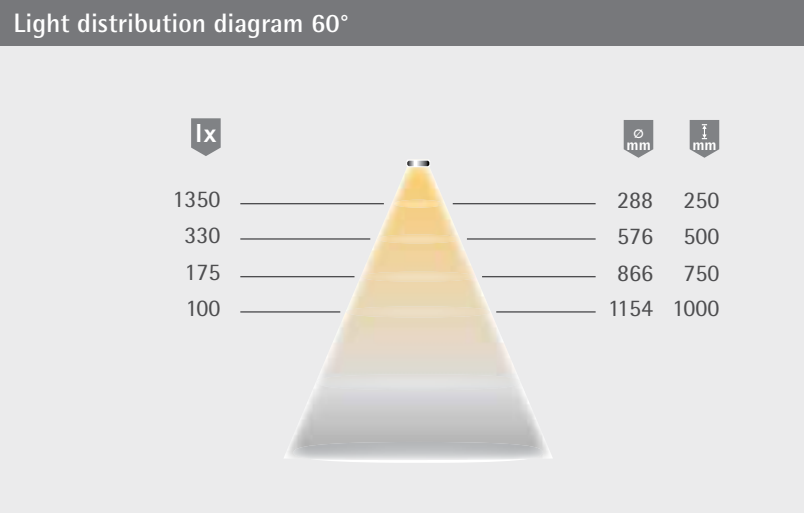
MultiLite Flood		
	MultiWhite*	WarmWhite
Individual light	32 066 31	32 150 11
Accessories**		
Cover ring – aluminium look		25 175 26
Cover ring – chrome, matte		25 175 16
Cover ring – stainless steel look		25 175 09
Cover ring – gold look		25 175 04
Cover ring – bronzed		25 175 02
Cover ring – black matt		25 175 05
Cover ring – white, satin finish		25 175 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

* MultiWhite accessories required
** Further accessories in section Switch systems

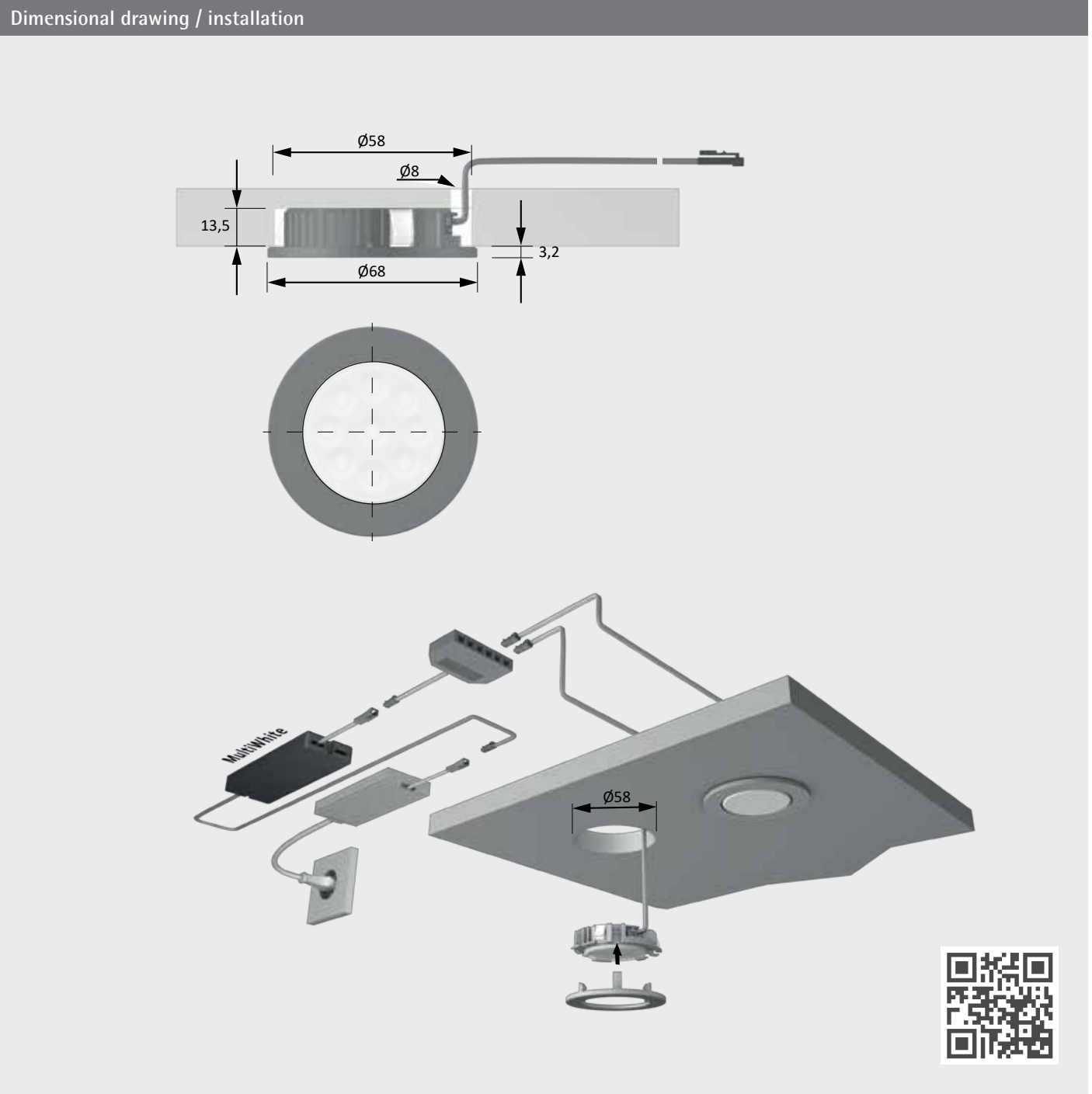
Technical details



Luminaire type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look/ chrome
Operating voltage:	12 V DC
Light colour:	WarmWhite/ MultiWhite
Colour rendering:	RA >85
Luminous flux:	240 lm
Luminaire efficiency:	60 lm/W
Light source efficiency:	70 lm/W
Life span:	40,000 h (L70)
Power consumption:	4 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test mark and symbols:	CE, RoHS, Energy Star
Protection rating:	IP 44
Installed diameter:	58 mm
Supply lead:	2000 mm
Plug connector:	LED mini M1 plug connector
Connection to:	LED ballast



Dimensional drawing / installation





PowerLite Plus

- Advantages

 - ▶ Cone of light like halogen spot
 - ▶ High-quality metal housing
 - ▶ Bright versatile luminaire
- Examples of use

 - ▶ Kitchen niches and top floors
 - ▶ Shelves
 - ▶ Display cabinets
- Features

 - ▶ High light output in relation to size
 - ▶ Plug-in connection on housing
 - ▶ Recessed luminaire for 58 mm mounting diameter
- Order information

 - ▶ With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700K)

PowerLite Plus	MultiWhite*	WarmWhite	NeutralWhite
Stainless steel look	32 063 31	32 063 19	32 063 09

Accessories**	
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

* MultiWhite accessories required
** Further accessories in section Switch systems

Technical details



Luminaire type:

Type of lighting:

Surface finish:

Operating voltage:

Light colour:

LED recessed light

Functional / accent lighting

Stainless steel look

12 V DC

WarmWhite/ NeutralWhite/ MultiWhite

Colour rendering:

Luminous flux:

Luminaire efficiency:

Light source efficiency:

Life span:

Power consumption:

Dimmable:

Beam angle:

Half value angle:

Test marks and symbols:

Protection rating:

Installed diameter:

Supply lead:

Plug connector:

RA >85

160 lm

45 lm/W

60 lm/W

40,000 h (L70)

3.5 W

Yes/PWM/Smart.home

90°

50°

CE, RoHS, Energy Star, ENEC

IP 44

56-58 mm

3000 mm

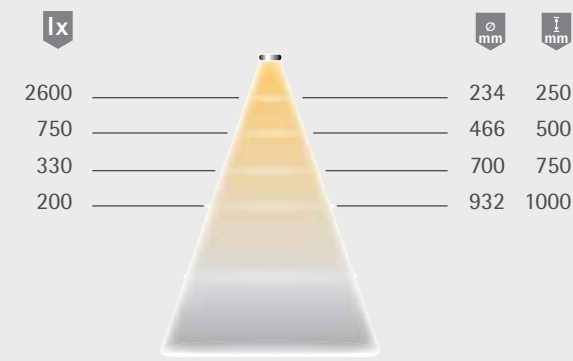
LED mini

M1 plug connector

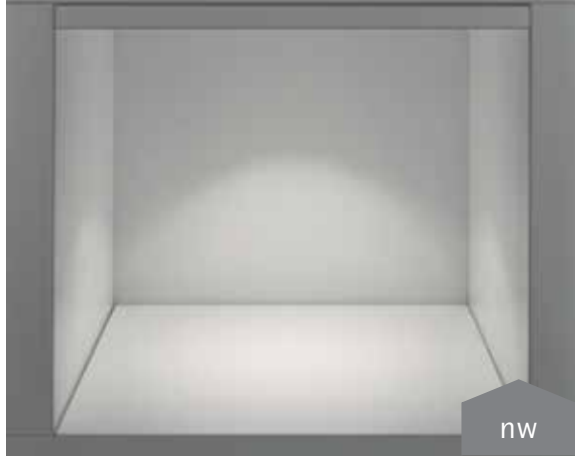
Connection to:

LED ballast

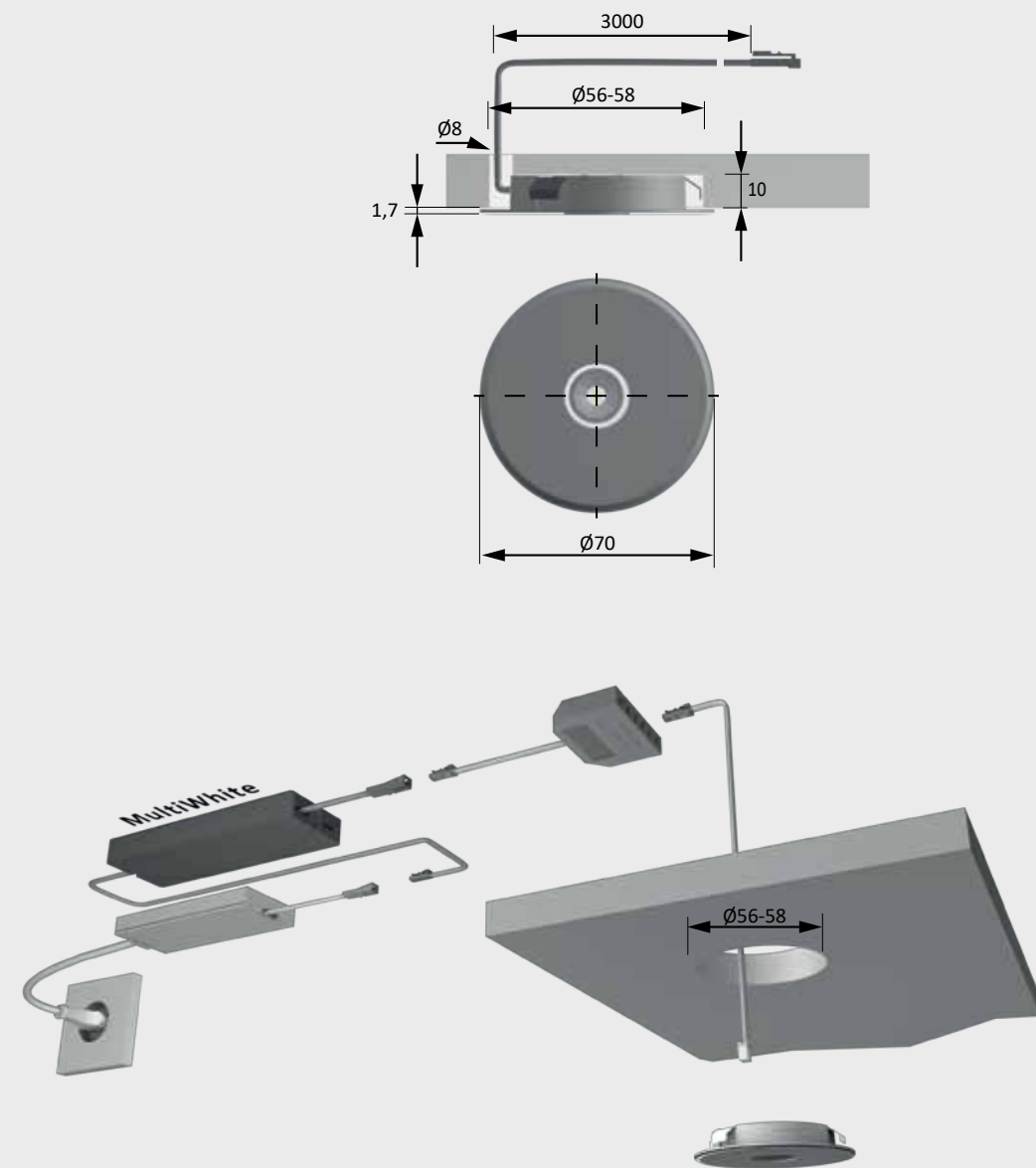
Light distribution diagram 50°



Light box



Dimensional drawing / installation





AddLite

- Advantages

 - High-quality aluminium profile light
 - Integrated cable routing
- Examples of use

 - Shelves
 - Niches
 - Display cabinets
- Features

 - Wide beam without shadows
 - Retrofittable

AddLite	
	NeutralWhite
Aluminium, anodized	34 246 01
Aluminium, black	34 246 05
Accessories*	
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

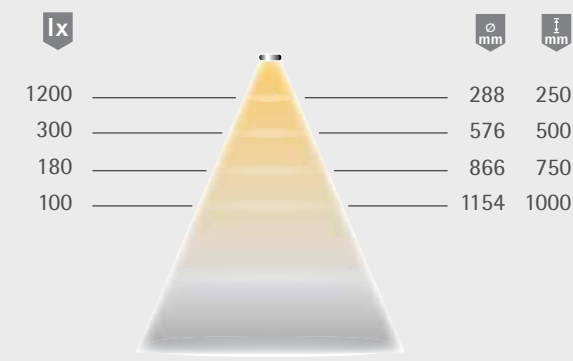
* Further accessories in section Switch systems

Technical details

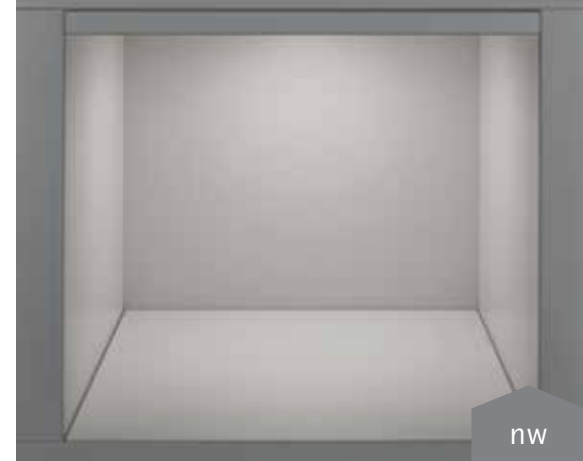


Luminaire type:	Surface-mounted light
Type of lighting:	Functional lighting
Surface finish:	Aluminium/ black
Operating voltage:	12 V DC
Light colour:	NeutralWhite
Colour rendering:	RA >80
Luminous flux:	170 lm
Luminaire efficiency:	70 lm/W
Light source efficiency:	90 lm/W
Life span:	40,000 h (L70)
Power consumption:	2.4 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test mark and symbols:	CE   
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connector:	LED mini
Connection to:	M1 plug connector LED ballast

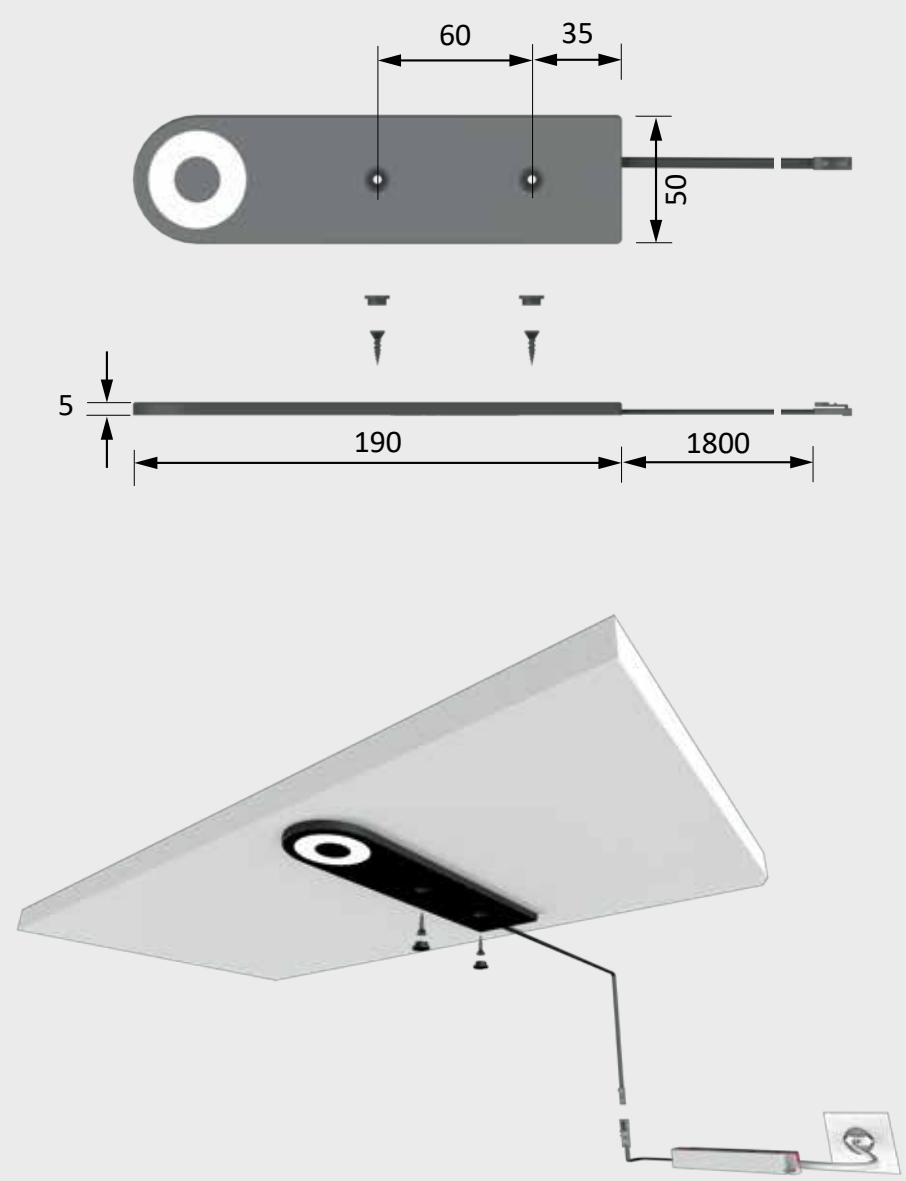
Light distribution diagram 60°



Light box



Dimensional drawing / installation





EcoPower L

- Advantages**
- Entry-level recessed spotlight
 - Compact light

- Features**
- For 68 mm mounting diameter
 - Wide beam without shadows

- Examples of use**
- Shelves
 - Display cabinets
 - Kitchen midway sections

- Order information**
- For a kitchen niche at least two luminaires per meter
 - With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700K)

EcoPower L	MultiWhite*	WarmWhite	NeutralWhite
Stainless steel look	32 144 39	32 144 19	32 144 09
Black	32 144 35	32 144 15	32 144 05

Accessories**	
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

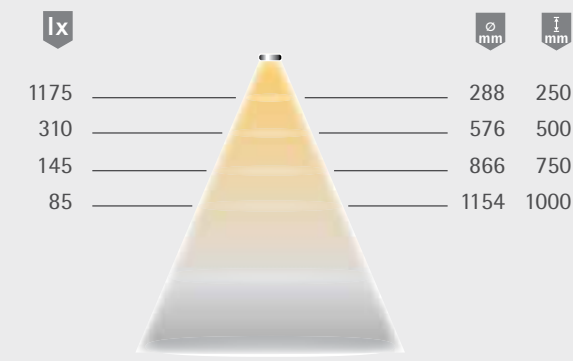
* MultiWhite accessories required
** Further accessories in section Switch systems

Technical details

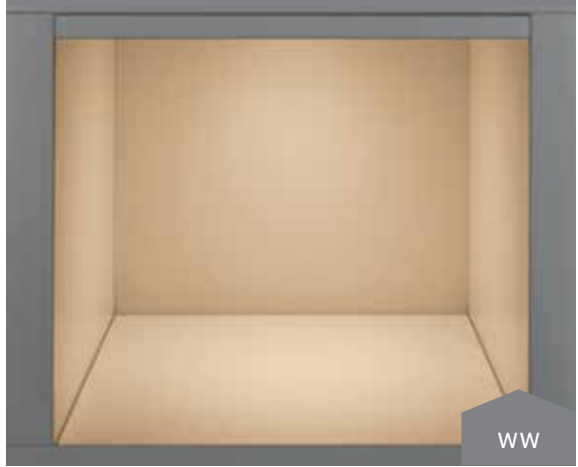


- | | |
|--------------------------|-------------------------------------|
| Luminaire type: | LED recessed light |
| Type of lighting: | Functional / accent lighting |
| Surface finish: | Stainless steel look/ black |
| Operating voltage: | 12 V DC |
| Light colour: | WarmWhite/ NeutralWhite/ MultiWhite |
| Colour rendering: | RA > 80 |
| Luminous flux: | 230 lm |
| Luminaire efficiency: | 72 lm/W |
| Light source efficiency: | 94 lm/W |
| Life span: | 40,000 h (L70) |
| Power consumption: | 3.2 W |
| Dimmable: | Yes/PWM/Smart.home |
| Beam angle: | 90° |
| Half value angle: | 60° |
| Test mark and symbols: | CE, RoHS, Energy Star |
| Protection rating: | IP 44 |
| Installed diameter: | 68 mm |
| Supply lead: | 1800 mm |
| Plug connector: | LED mini M1 plug connector |
| Connection to: | LED ballast |

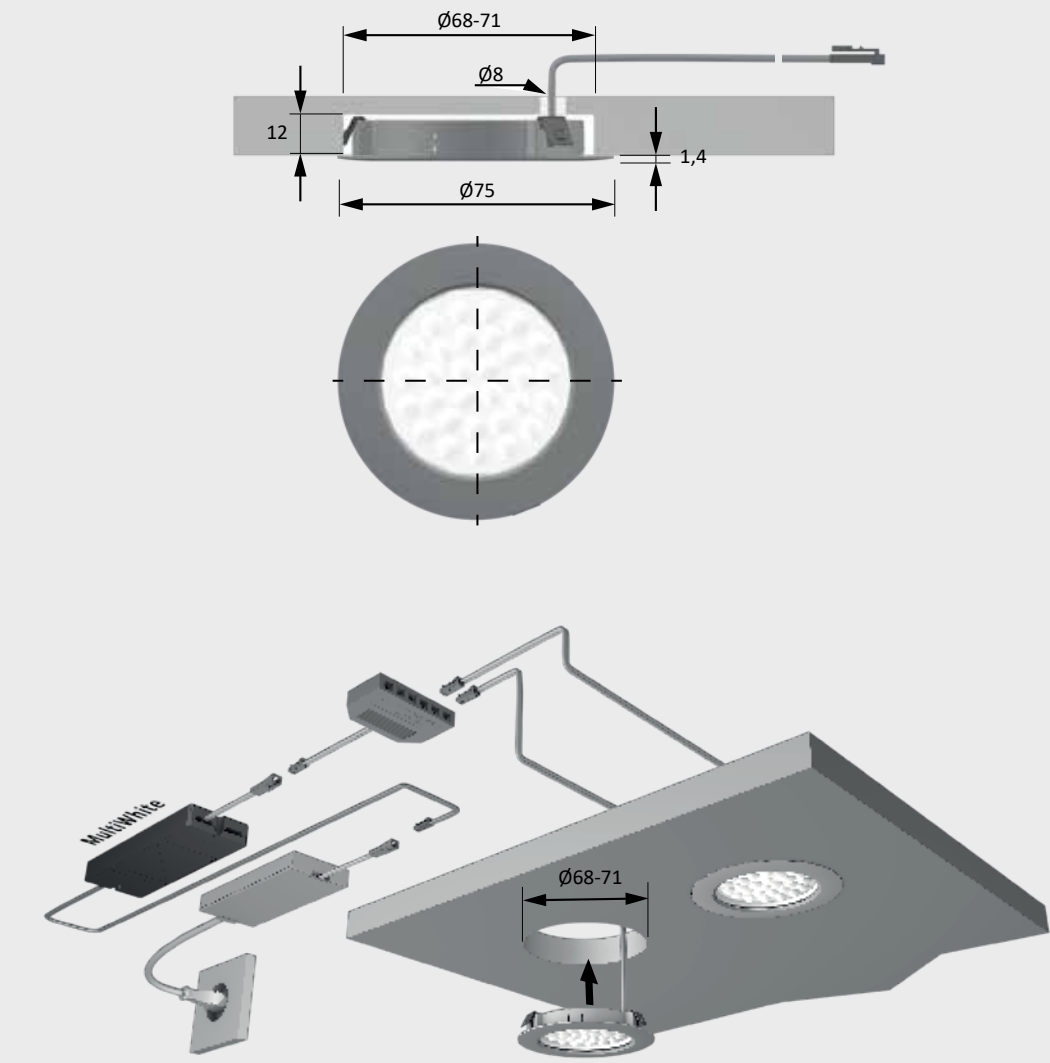
Light distribution diagram 60°



Light box



Dimensional drawing / installation





EcoPower Flood

- Advantages

 - Entry-level recessed spotlight
 - Compact light
- Examples of use

 - Shelves
 - Display cabinets
- Features


 - For 58 mm mounting diameter
 - Wide beam without shadows

EcoPower Flood	WarmWhite	NeutralWhite
Aluminium look	32 341 16	32 341 06
Stainless steel look	32 341 19	32 341 09

Accessories*	
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

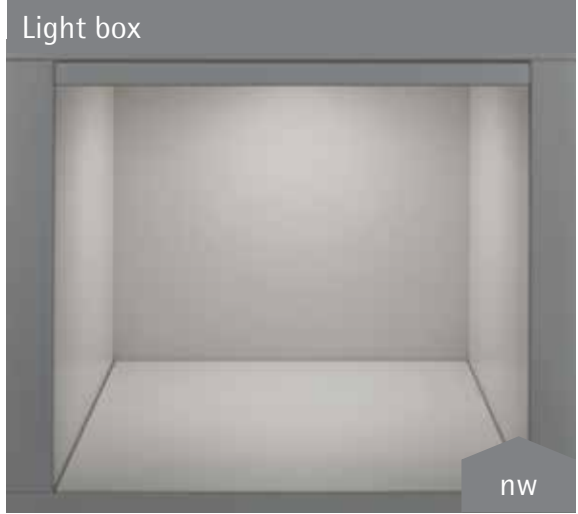
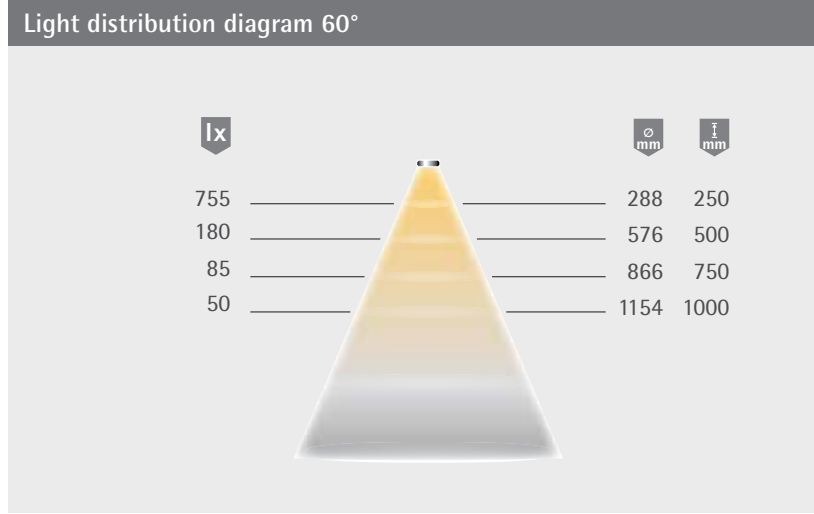
* Further accessories in section Switch systems

Technical details

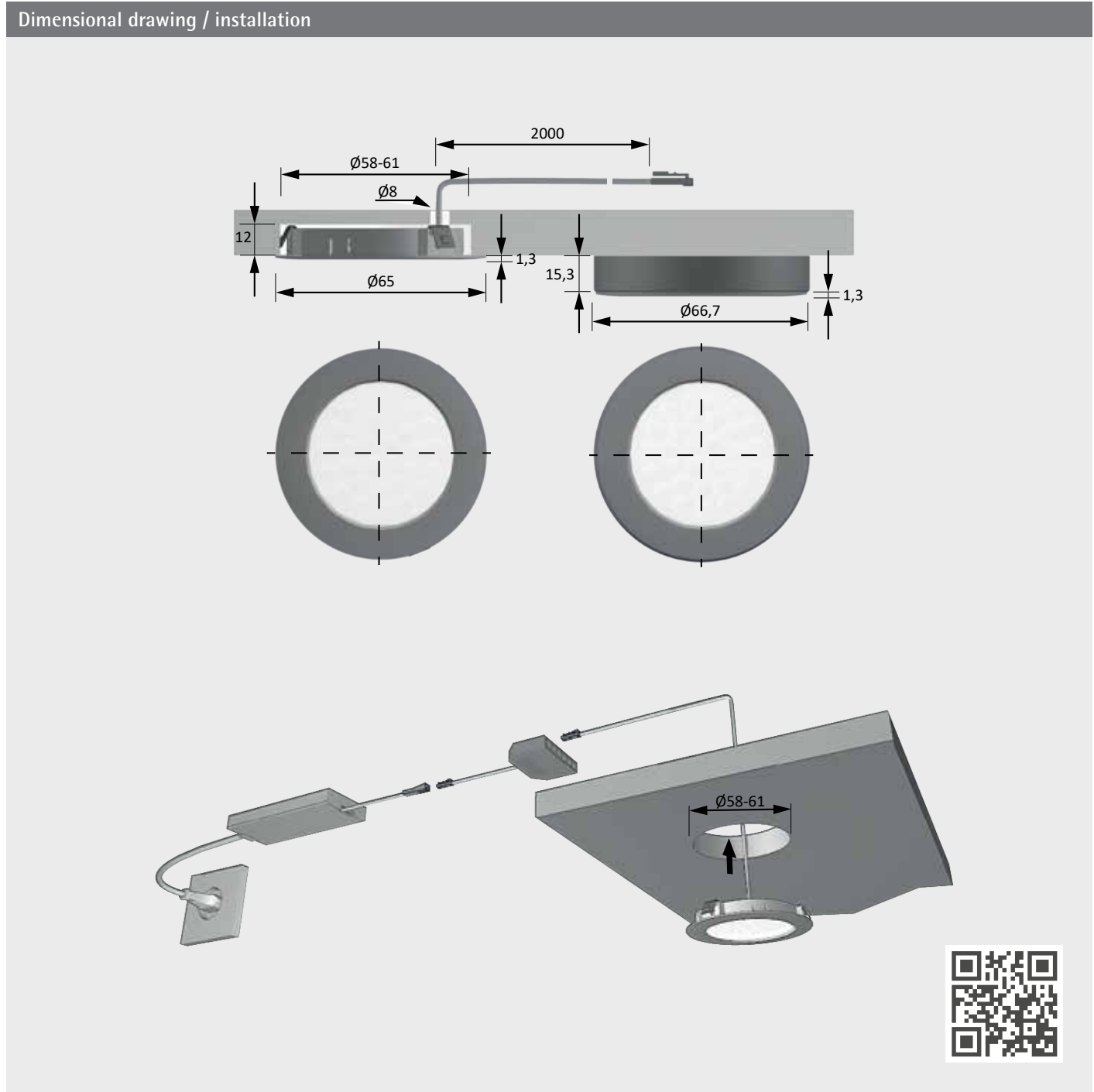


Luminaire type: LED recessed light
Type of lighting: Functional / accent lighting
Surface finish: Aluminium look / stainless steel look
Operating voltage: 12 V DC
Light colour: WarmWhite/ NeutralWhite
Colour rendering: RA > 80
Luminous flux: 150 lm
Luminaire efficiency: 88 lm/W
Light source efficiency: 106 lm/W
Life span: 40,000 h (L70)
Power consumption: 1.7 W
Dimmable: Yes/PWM/Smart.home
Beam angle: 90°
Half value angle: 60°
Test mark and symbols: CE, RoHS, Energy Star
Protection rating: IP 44
Installed diameter: 58 - 61 mm
Supply lead: 2000 mm
Plug connector: LED mini
Connection to: LED ballast

12 V



Dimensional drawing / installation





Eco Spot

- Advantages

 - Entry-level recessed spotlight
 - Compact light
 - Evenly illuminated area
- Examples of use

 - Shelves
 - Display cabinets

- Features
- For 58 mm mounting diameter
 - Wide beam without shadows

Eco Spot	WarmWhite	NeutralWhite
Stainless steel look	32 153 19	32 153 09
Stainless steel look (set of 10)	32 153 69	32 153 59

Accessories*	
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

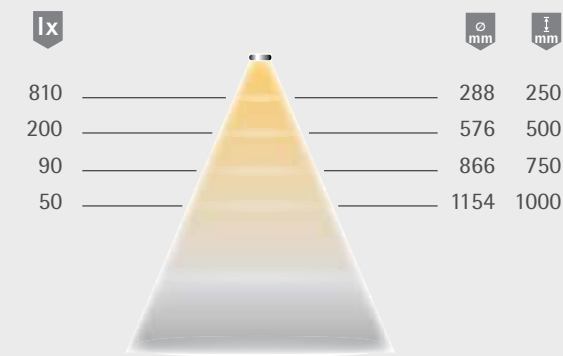
* Further accessories in section Switch systems

Technical details

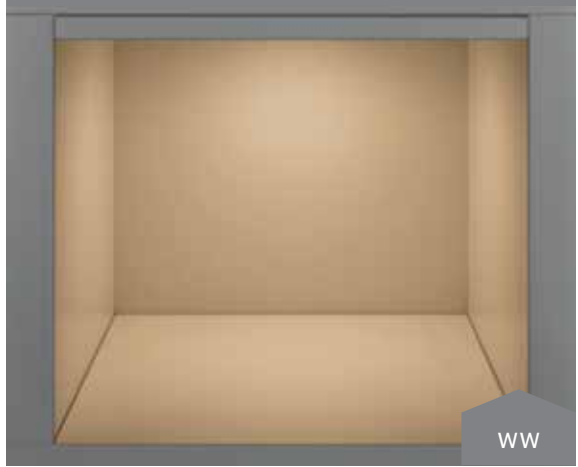


Luminaire type:	LED recessed light
Type of lighting:	Functional / accent lighting
Surface finish:	Aluminium look/ Stainless steel look
Operating voltage:	12 V DC
Light colour:	WarmWhite/ NeutralWhite
Colour rendering:	RA >80
Luminous flux:	110 lm
Luminaire efficiency:	73 lm/W
Light source efficiency:	87 lm/W
Life span:	40,000 h (L70)
Power consumption:	1.5 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test mark and symbols:	CE
Protection rating:	IP 20
Installed diameter:	58 mm
Supply lead:	1800 mm
Plug connector:	LED mini M1 plug connector
Connection to:	LED ballast

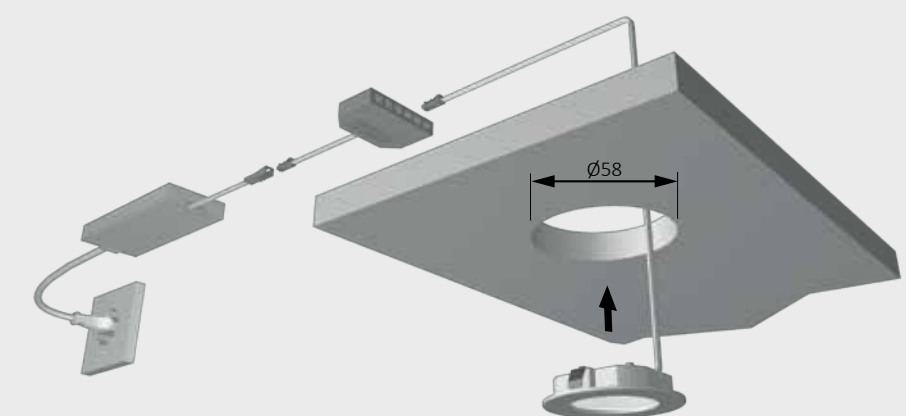
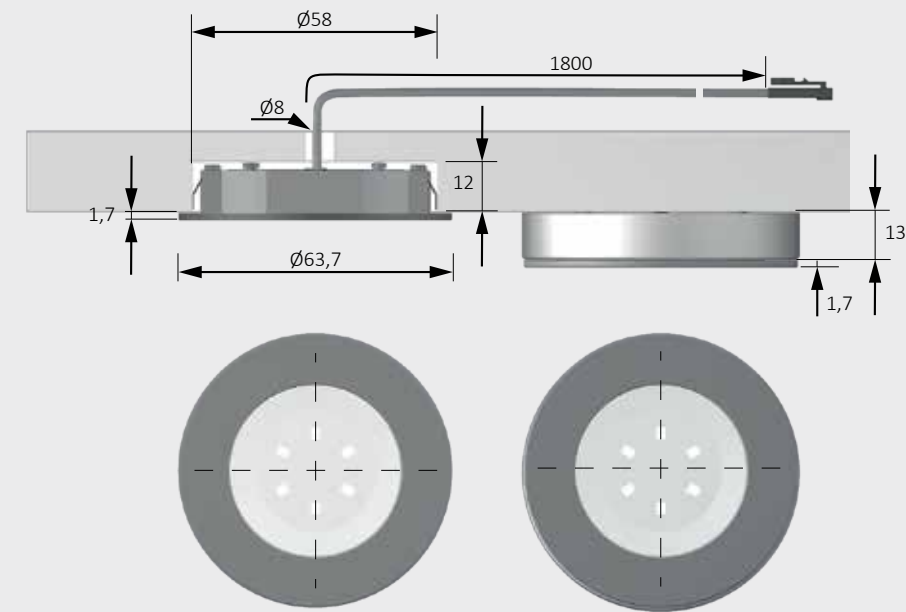
Light distribution diagram 60°



Light box



Dimensional drawing / installation





Move Spot

- Advantages

 - Accentuation through swivelling light cone
 - Can be used without glare
 - Versatile
 - Particularly bright
- Examples of use

 - Shelves
 - Display cabinets
 - Furniture halo lighting
- Features

 - Recessed luminaire for 40 mm mounting diameter
 - 20° adjustment to side
 - Focused light
- Order information

 - With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700 K)

Move Spot		
	MultiWhite*	Extra WarmWhite
Aluminium	32 351 36	32 351 46
Black	32 351 35	32 351 35

Accessories**	
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

* MultiWhite accessories required
** Further accessories in section Switch systems

Technical details



- Luminaire type:

Type of lighting:
- LED recessed light

Functional / accent lighting
- Surface finish:

Operating voltage:

Light colour:
- Aluminium

12 V DC

MultiWhite/
Extra WarmWhite
- Colour rendering:

Luminous flux:

Luminaire efficiency:

Light source efficiency:

Life span:

Power consumption:

Dimmable:

Beam angle:

Half value angle:

Test marks and symbols:

Protection rating:

Installed diameter:

Supply lead:

Plug connector:
- RA >80

100 lm

56 lm/W

83 lm/W

40,000 h (L70)

2.2 W

Yes/PWM/Smart.home

90°

40°

CE

IP 44

40 mm

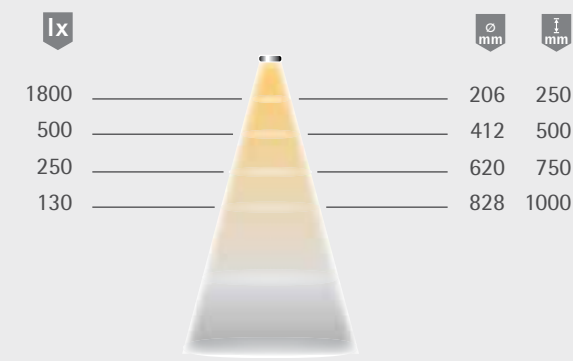
1800 mm

LED mini
- M1 plug connector

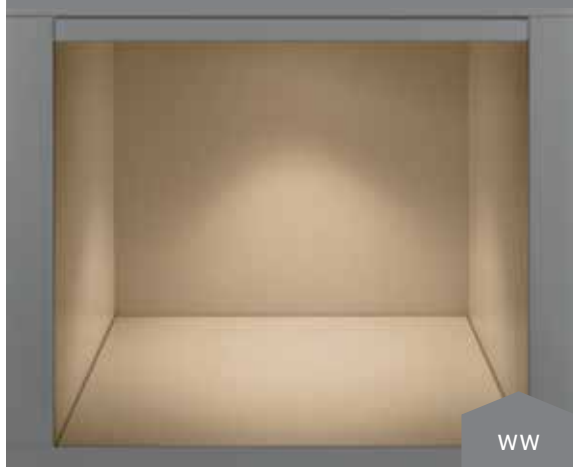
LED ballast

Connection to:

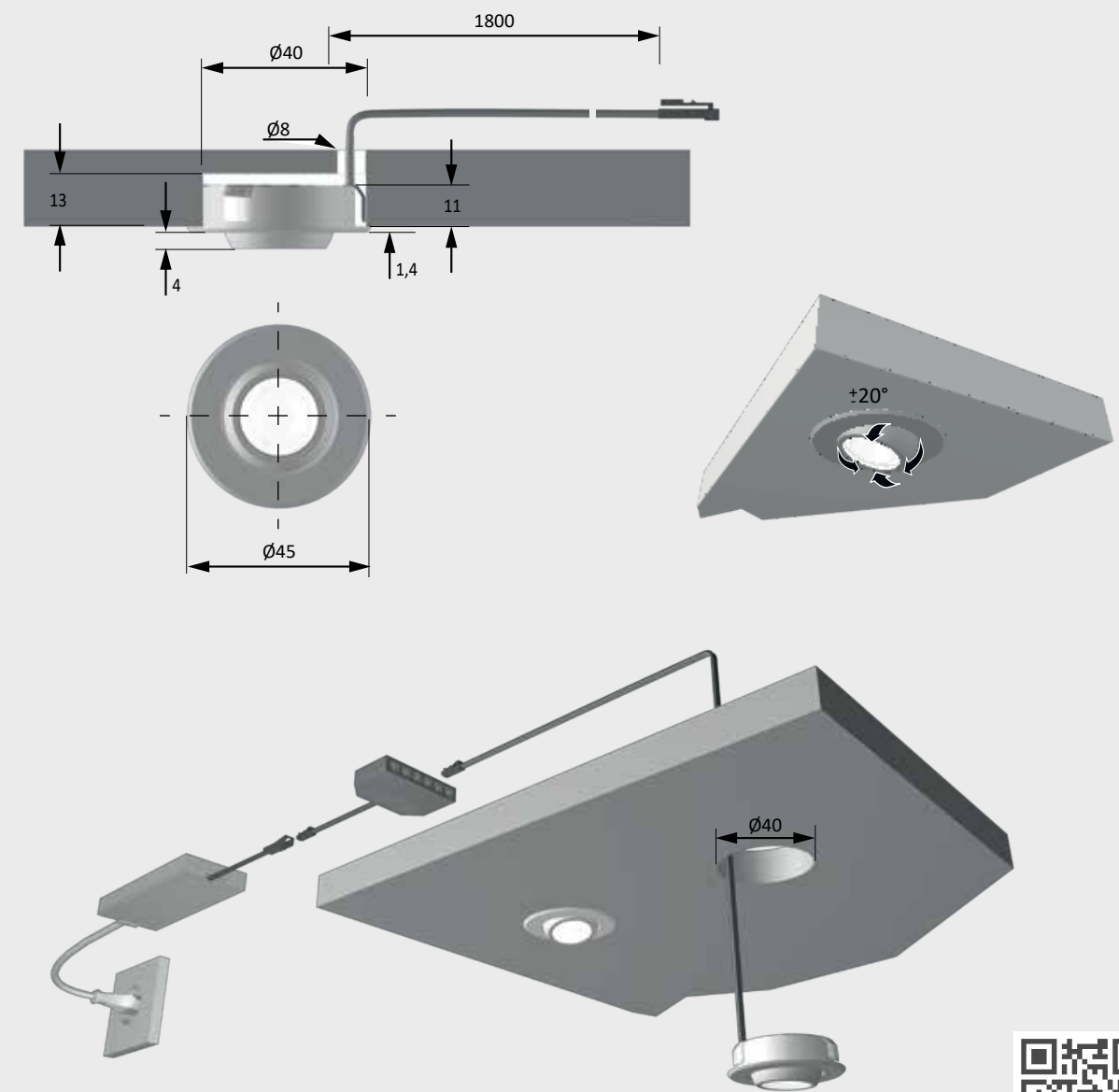
Light distribution diagram 40°



Light box



Dimensional drawing / installation





StarPoint Flood

- Advantages

 - Powerful LED spotlight
 - Accentuation by small beam angle
 - Versatile
- Examples of use

 - Shelves
 - Display cabinets
 - Furniture halo lighting
- Features

 - Recessed light with 30 mm installed diameter

StarPoint Flood		
	WarmWhite	NeutralWhite
chrome	32 146 13	32 146 03
Accessories*		
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

* Further accessories in section Switch systems

Technical details



- Luminaire type:

Type of lighting:
- LED recessed light

Functional /
accent lighting
- Surface finish:

Operating voltage:

Light colour:
- chrome

12 V DC

WarmWhite/
NeutralWhite
- Colour rendering:

Luminous flux:

Luminaire efficiency:

Light source efficiency:

Life span:

Power consumption:

Dimmable:

Beam angle:

Half value angle:

Test mark and symbols:

Protection rating:

Installed diameter:

Supply lead:

Plug connector:
- RA >80

95 lm

80 lm/W

95 lm/W




40,000 h (L70)

1.2 W

Yes/PWM/Smart.home

80°

50°

CE   

IP 20

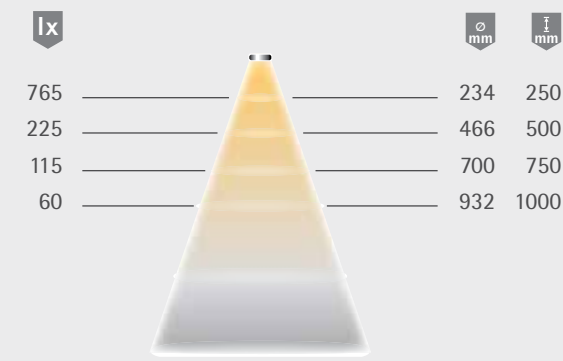
29-32 mm

1800 mm

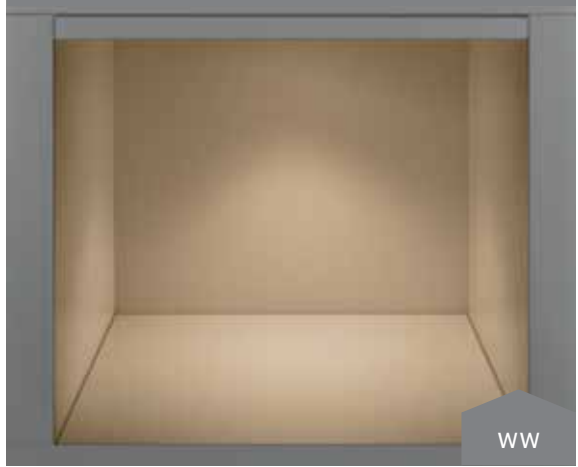
LED mini
- Connection to:
- M1 plug connector

LED ballast

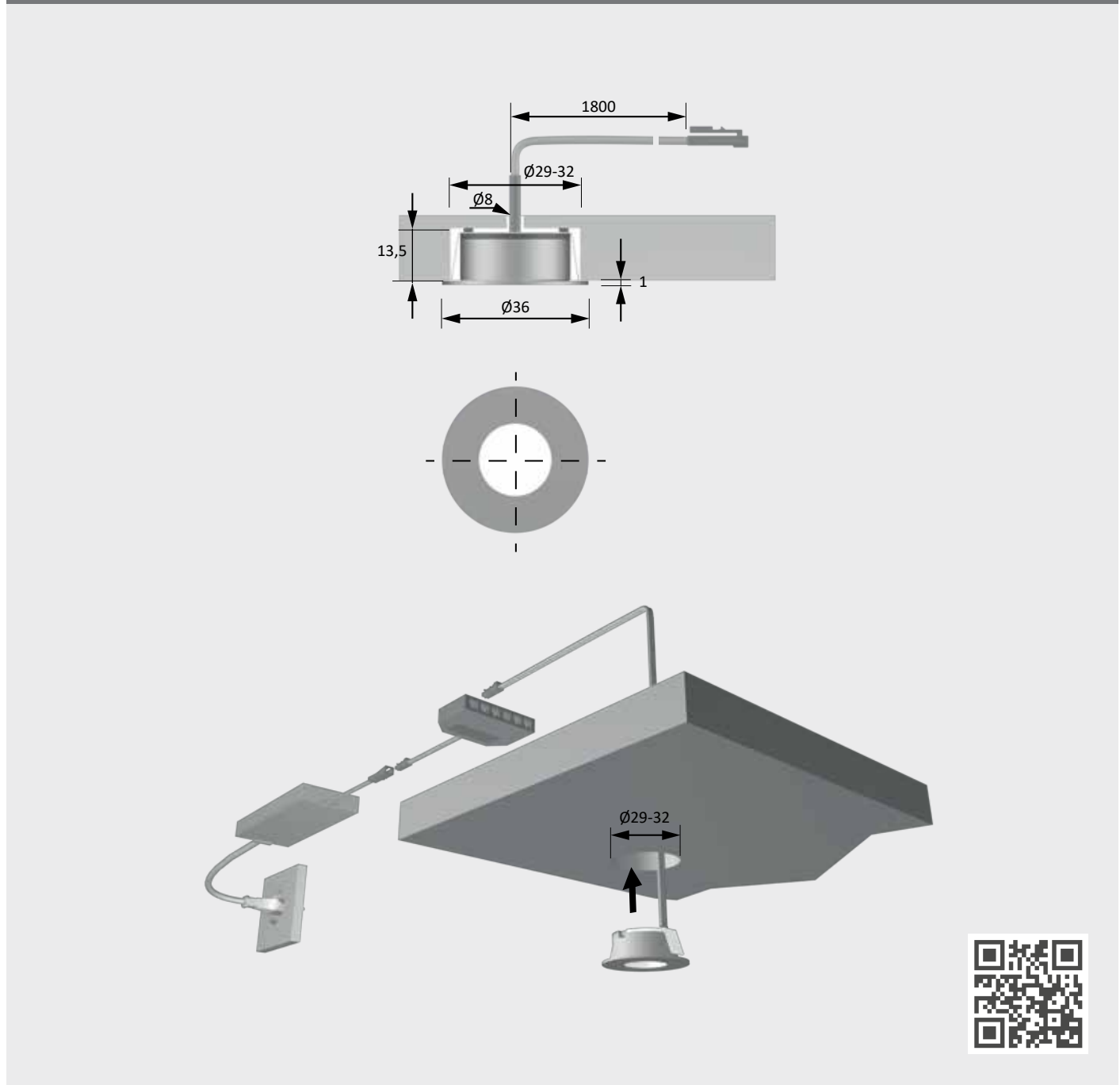
Light distribution diagram 50°



Light box



Dimensional drawing / installation





SuperDot

- Advantages

 - Powerful LED spotlight
 - Accentuation by small beam angle
- Examples of use

 - Shelves
 - Display cabinets
- Features

 - Swivelling
 - Recessed light with 35 mm installed diameter

SuperDot		
	WarmWhite	NeutralWhite
Aluminium look	32 149 16	32 149 06
Accessories*		
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	

* Further accessories in section Switch systems

Technical details



- Luminaire type:

Type of lighting:
- LED recessed light

Functional / accent lighting
- Surface finish:

Operating voltage:

Light colour:
- Aluminium look

12 V DC

WarmWhite/ NeutralWhite
- Colour rendering:

Luminous flux:

Luminaire efficiency:

Light source efficiency:

Life span:

Power consumption:

Dimmable:

Beam angle:

Half value angle:

Test mark and symbols:

Protection rating:

Installed diameter:

Supply lead:

Plug connector:
- RA >80

110 lm

92 lm/W

95 lm/W

30,000 h (L70)

1.2 W

Yes/PWM/Smart.home

50°

25°

CE, RoHS, Energy Star, ENEC

IP 20

32-35 mm

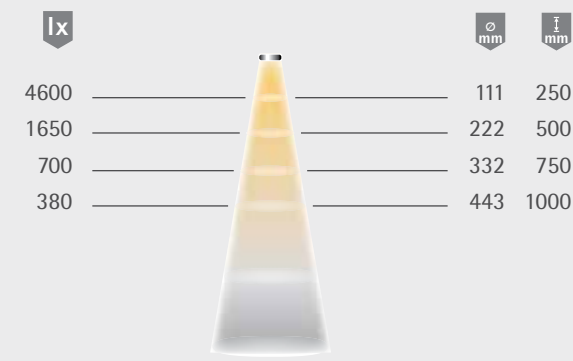
1800 mm

LED mini
- Connection to:

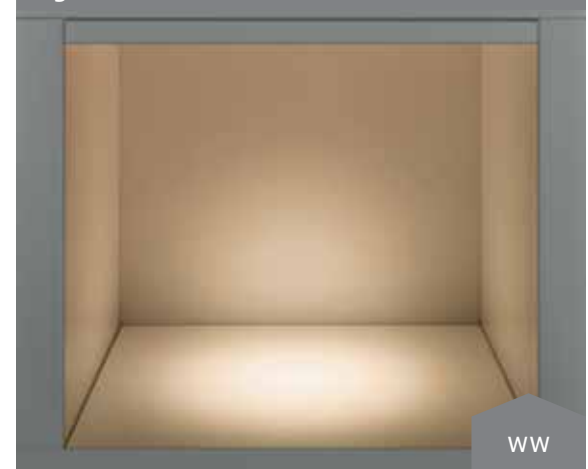
M1 plug connector

LED ballast

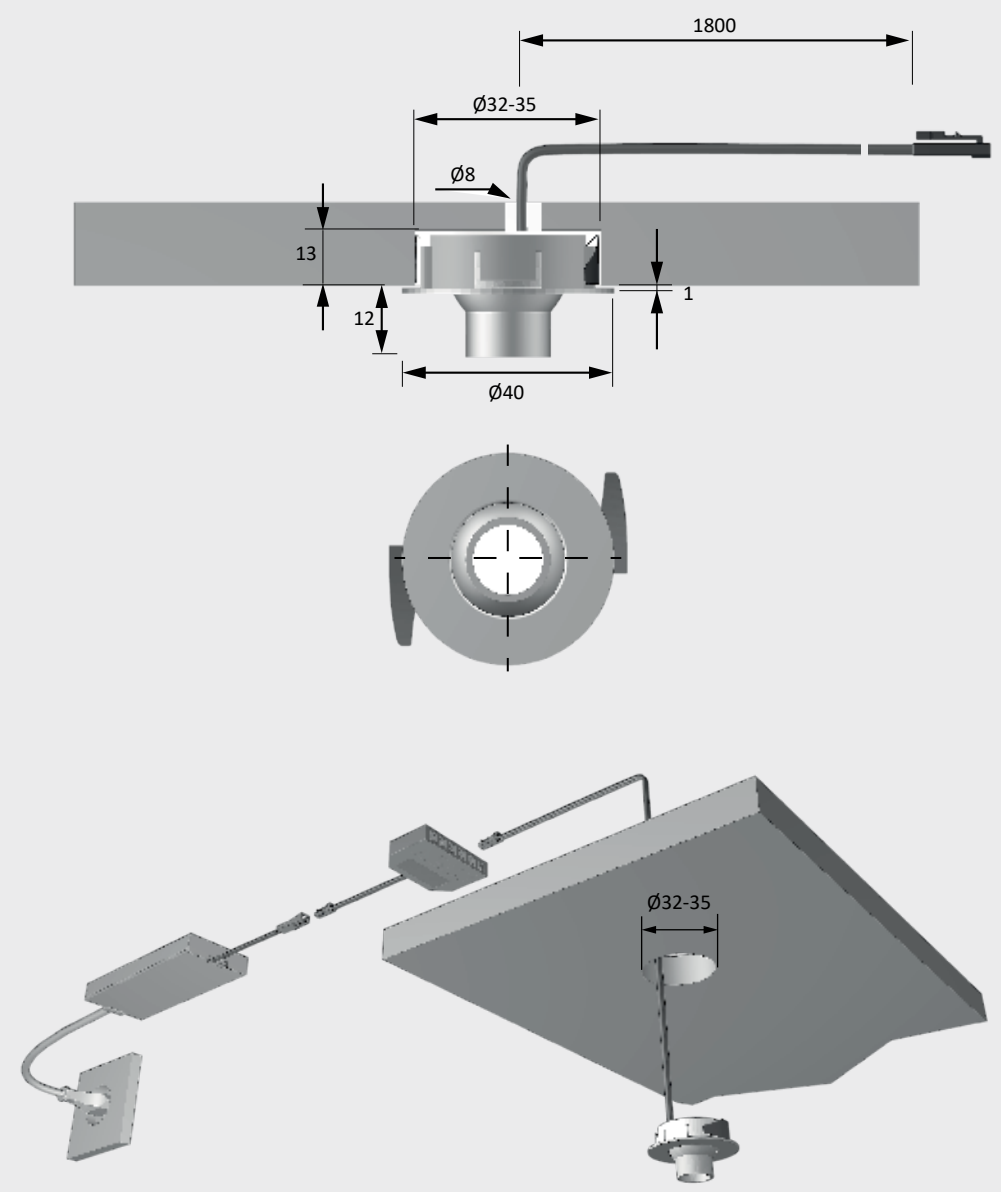
Light distribution diagram 25°



Light box



Dimensional drawing / installation





SideSpot

- Advantages

 - Accentuation by light from below/side
 - Can be used without glare
- Examples of use

 - Shelves
 - Display cabinets
 - Carcase sides and shelves
- Features

 - Oblique light emission
 - Recessed luminaire for 35 mm mounting diameter
- Order information

 - With direct connection of a MultiWhite luminaire to an electronic ballast, the light colour is XtraWarmWhite (2700K)

SideSpot	MultiWhite*	Extra WarmWhite	CoolWhite
Black	32 171 35	32 171 45	32 171 25

Accessories**	
S-Mitter Basic MultiWhite Smart Set	31 123 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

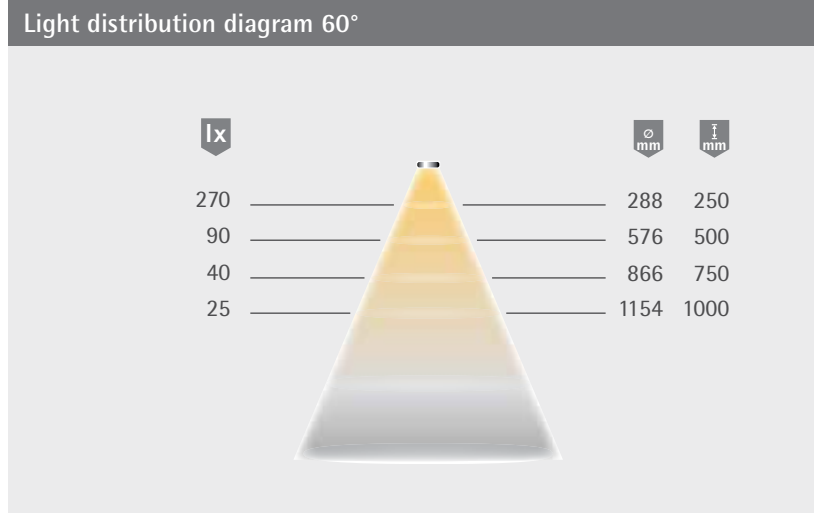
* MultiWhite accessories required
** Further accessories in section Switch systems

Technical details



12 V

Luminaire type: LED recessed light
Type of lighting: Functional / accent lighting
Surface finish: Black
Operating voltage: 12 V DC
Light colour: MultiWhite/ XtraWarmWhite/ CoolWhite
Colour rendering: RA >80
Luminous flux: 50 lm
Luminaire efficiency: 30 lm/W
Light source efficiency: 45 lm/W
Life span: 40,000 h (L70)
Power consumption: 1.4 W
Dimmable: Yes/PWM/Smart.home
Beam angle: 90°
Half value angle: 60°
Test mark and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 20
Installed diameter: 35 mm
Supply lead: 800 mm
Plug connector: LED mini
Connection to: M1 plug connector LED ballast



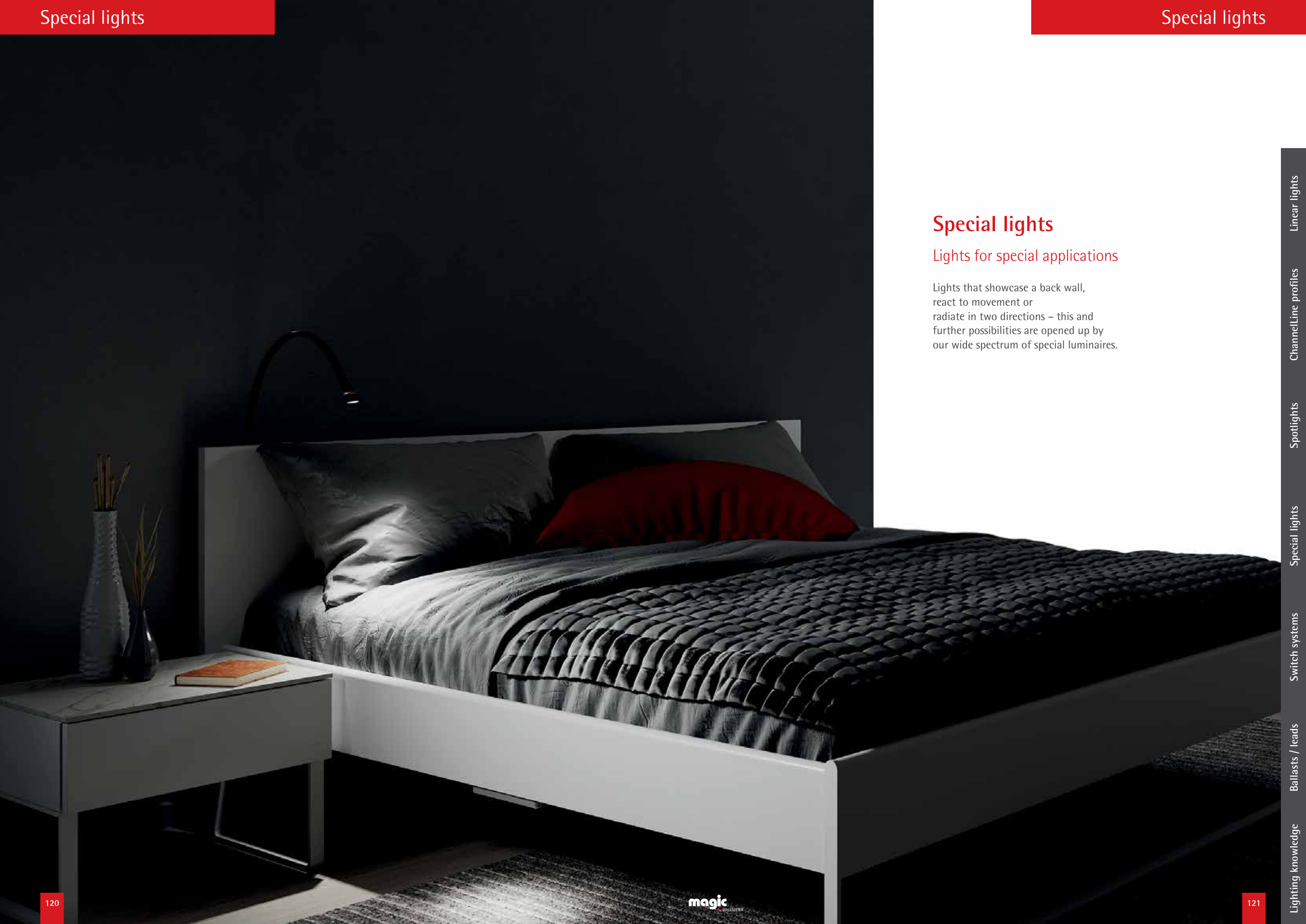
Dimensional drawing / installation



Special lights

Lights for special applications

Lights that showcase a back wall, react to movement or radiate in two directions – this and further possibilities are opened up by our wide spectrum of special luminaires.





SlimLine

- Advantages
- Filigree light
 - Mounts almost invisibly
 - Also easy to retrofit

- Features
- Surface-mounted
 - High brightness

- Examples of use
- On top of wardrobes
 - Above mirrors
- Order information
- For connection to the house installation we recommend our dimmable electronic ballasts or smart receivers.

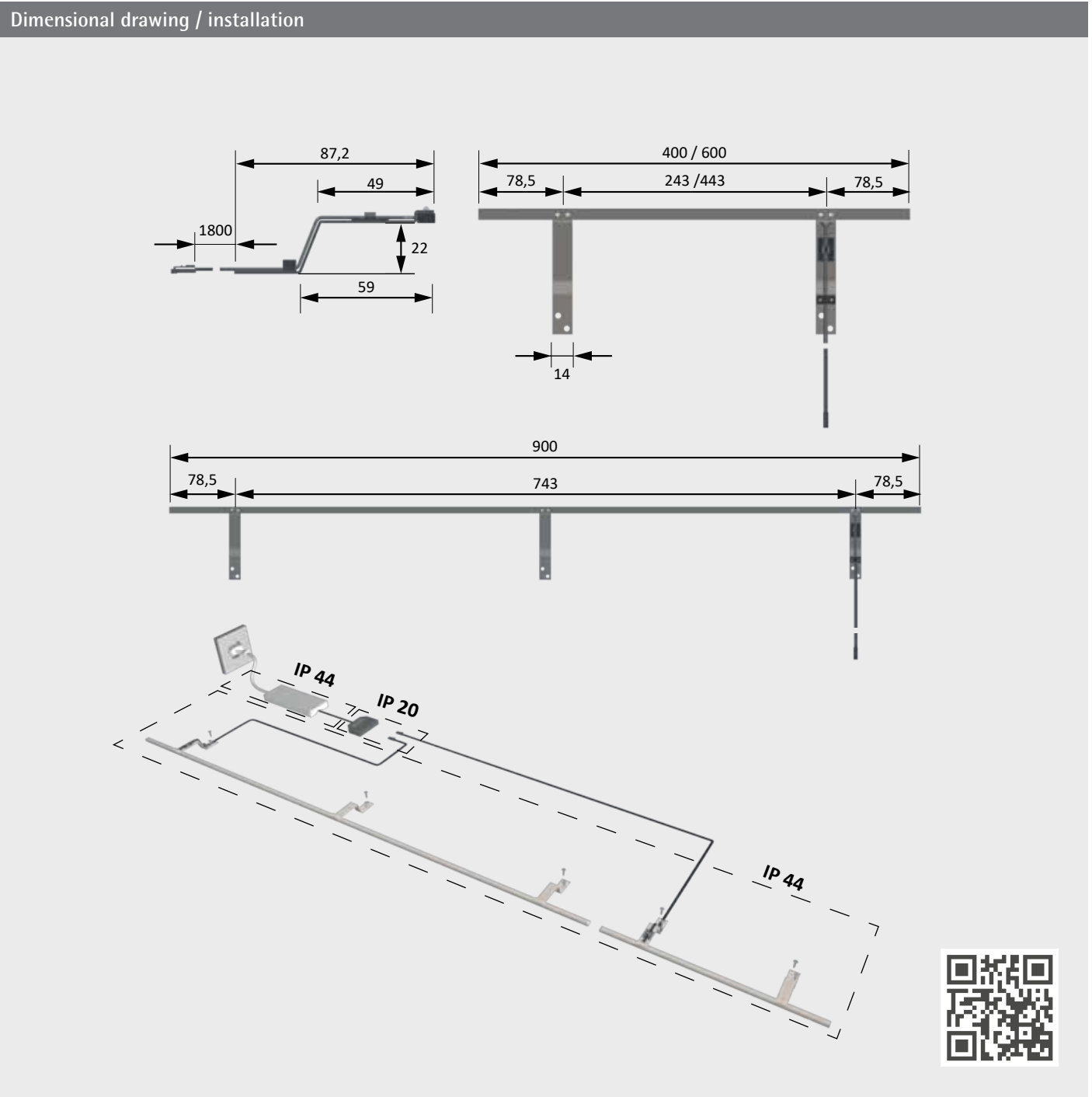
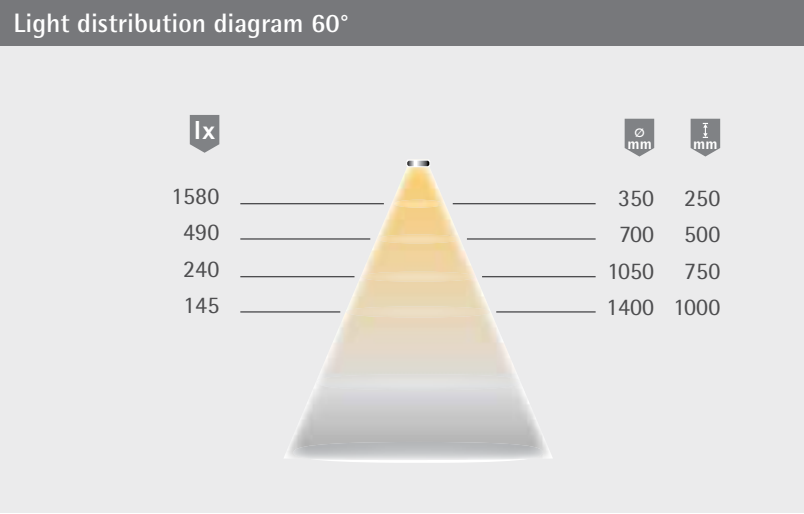
SlimLine		NeutralWhite
400 mm (4.8 W)		34 200 07
600 mm (7.8 W)		34 183 07
900 mm (11.4 W)		34 191 07
Accessories*		
LED ballast 20 W with flat Euro plug		31 016 01
M1 extension lead 1800 mm		36 768 01
M1 3-way distributor 180 mm		36 852 01
M1 6-way distributor 2000 mm		36 125 01

Technical details



Luminaire type: surface-mounted light
Type of lighting: Functional lighting
Surface finish: Aluminium look
Operating voltage: 12 V DC
Light colour: NeutralWhite
Colour rendering: RA >80
Luminous flux: 310 lm/500 lm/740 lm
Luminaire efficiency: 65 lm/W
Light source efficiency: 90 lm/W
Life span: 40,000 h (L70)
Power consumption: max. 11.4 W
Dimmable: Yes/PWM/Smart.home
Beam angle: 120°
Half value angle: 60°
Test marks and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 44 (mounted)
Supply lead: 1800 mm
Plug connector: LED mini
Connection to: M1 plug connector
LED ballast

* Further accessories in section Switch systems/Ballasts and leads





Ice

Advantages

- Can be retrofitted into furniture
- Light cone points upwards and downwards
- Achieve a big effect with little effort

Features

- For use with 6– 8 mm glass shelves

Examples of use

- For mounting on a glass plate

Ice	
	WarmWhite
Aluminium look	34 149 01
Accessories*	
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

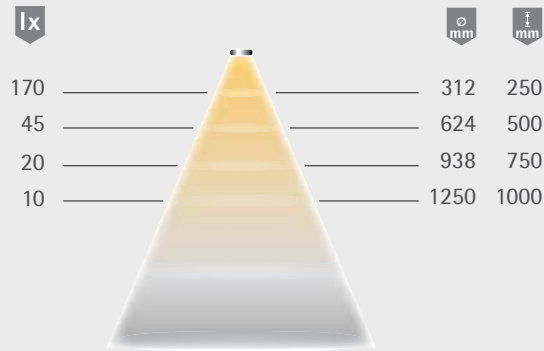
Technical details



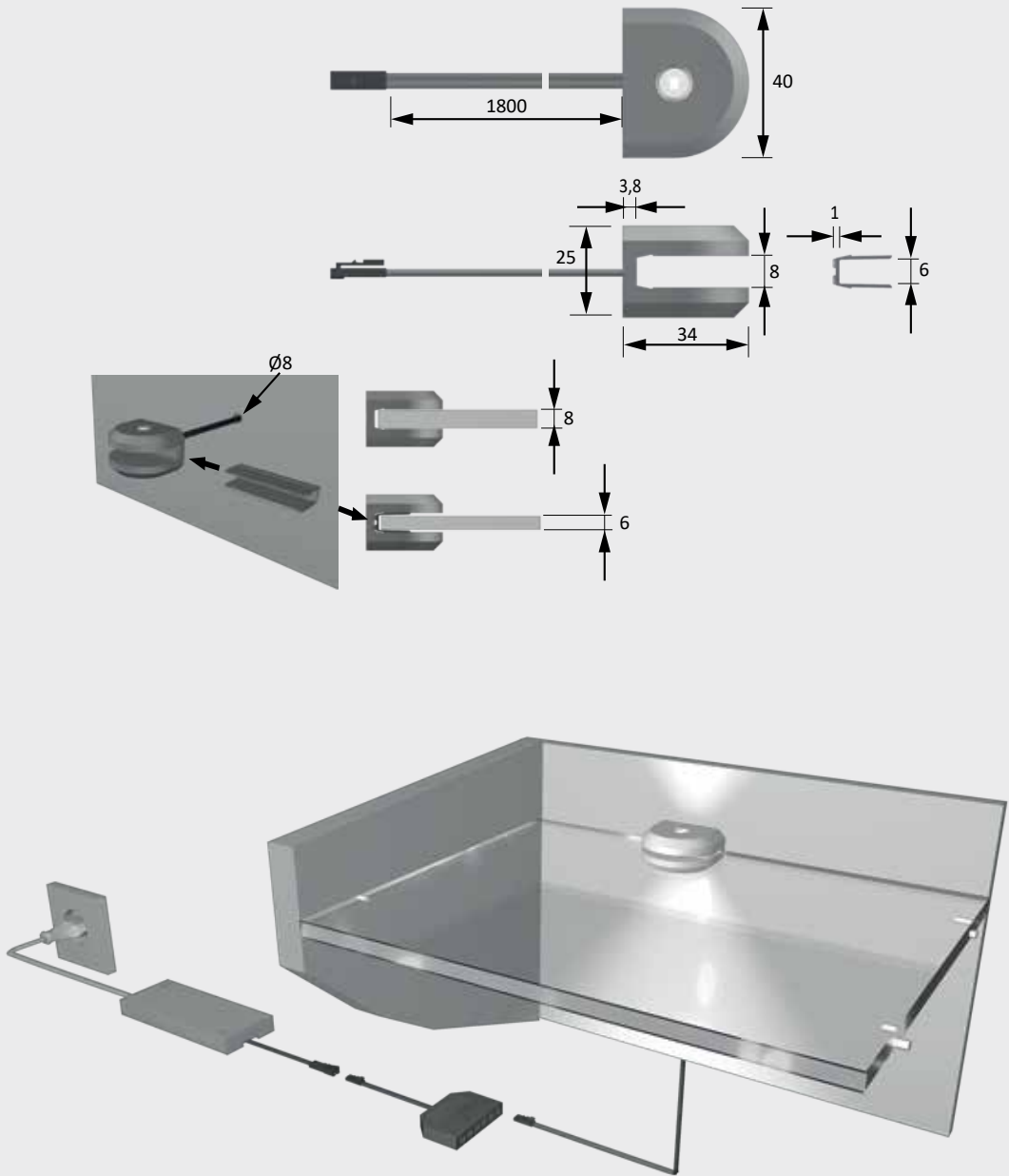
Luminaire type:	Surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Operating voltage:	12 V DC
Light colour:	WarmWhite
Colour rendering:	RA >90
Luminous flux luminaire:	40 lm
	2 x 20 lm (bottom/top)
Life span:	40,000 h (L70)
Power consumption:	0.9 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test marks and symbols:	CE, RoHS, Energy Star, ENEC
Protection rating:	IP 20
Supply lead:	1800 mm
Plug connector:	LED mini
Connection to:	M1 plug connector LED ballast

* Further accessories in section Switch systems/Ballasts and leads

Light distribution diagram 60°



Dimensional drawing / installation





LuckyLite Pro

- Advantages

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

 - ▶ Behind furniture doors
- Features

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

 - ▶ Including 0.2 m USB charger cable
 - ▶ USB chargers must be ordered separately

LuckyLite Pro	
	NeutralWhite
Aluminium look	38 258 26
Accessories*	
USB charger	30 026 01

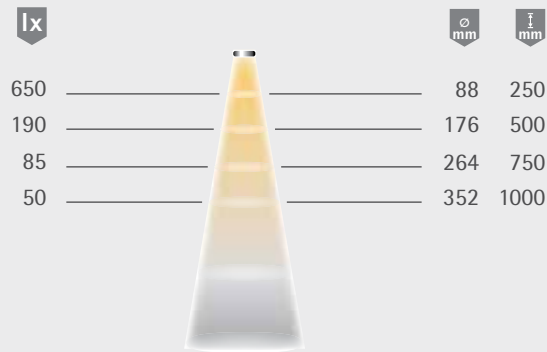
Technical details



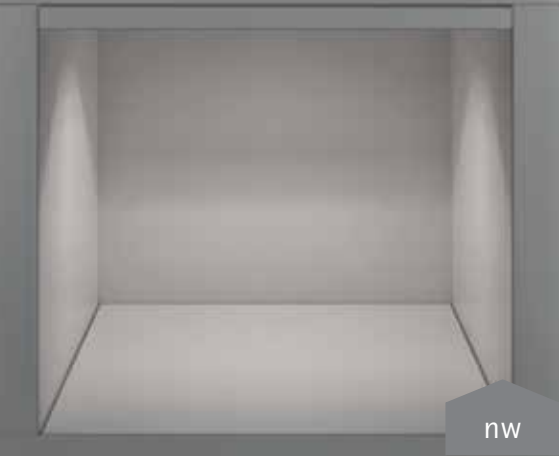
Luminaire type:	Surface-mounted light
Type of lighting:	Accent lighting
Surface finish:	Aluminium look
Light colour:	NeutralWhite
Colour rendering:	RA >80
Luminous flux:	30 lm
Life span:	20,000 h (L70)
Dimmable:	No
Beam angle:	90°
Half value angle:	20°
Test marks and symbols:	CE, RoHS, Energy Star, ENEC
Protection rating:	IP 20
Charger connection:	Micro USB
Motion sensor	
Detection angle:	120°
Reach:	2 m
Stay-'ON' time:	10 seconds

* Further accessories in section Switch systems/Ballasts and leads

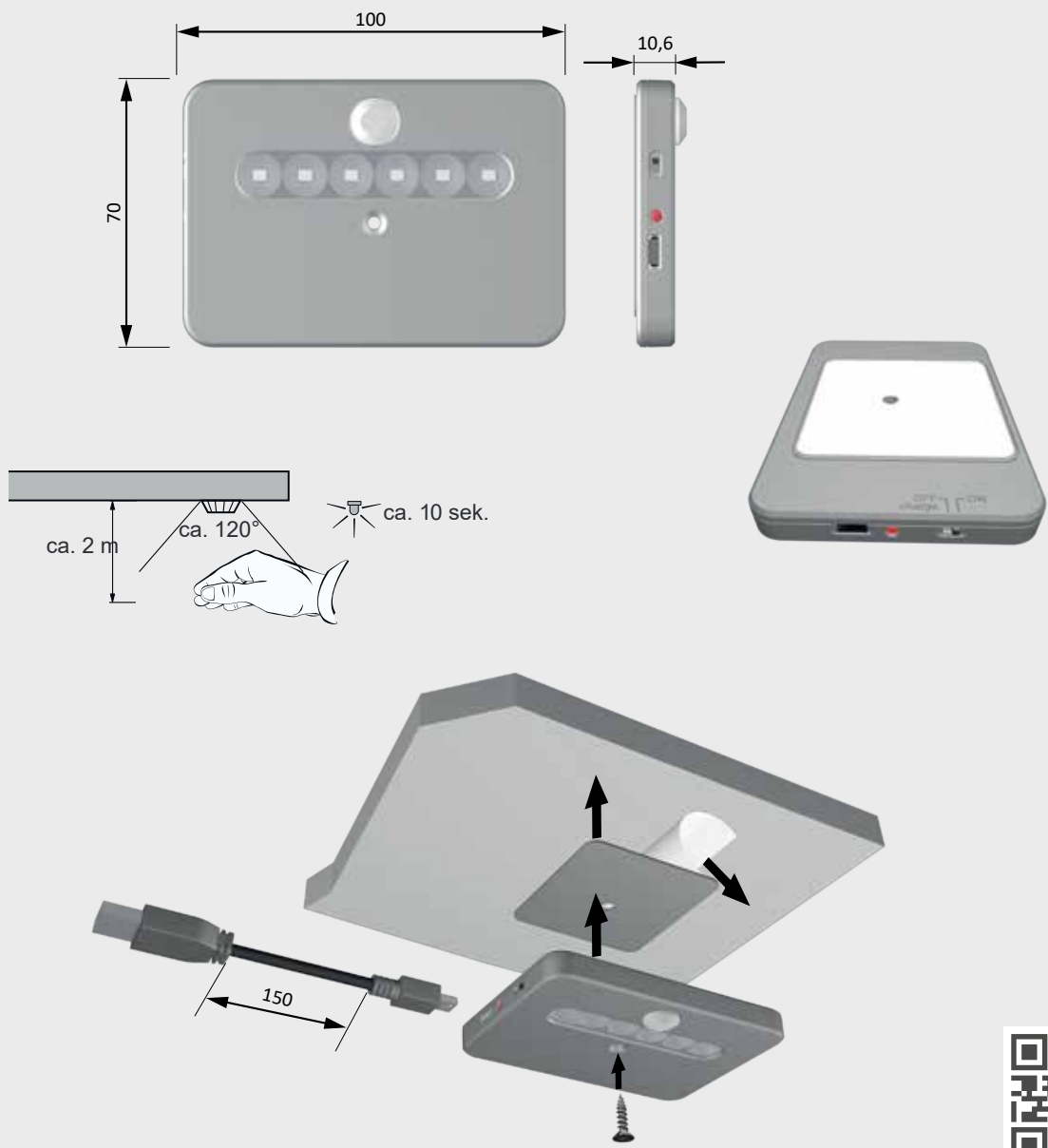
Light distribution diagram 20°



Light box



Dimensional drawing / installation





LitePipe

- Advantages
- ▶ Activated by motion sensor
 - ▶ Can be individually cut to size

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

- Examples of use
- ▶ Wardrobes
 - ▶ Cloakrooms

LitePipe	WarmWhite	NeutralWhite
1000 mm (max. 5.0 W)	55 152 11	55 152 08
1200 mm (max. 5.5 W)	55 146 11	55 146 08

Accessories*	
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

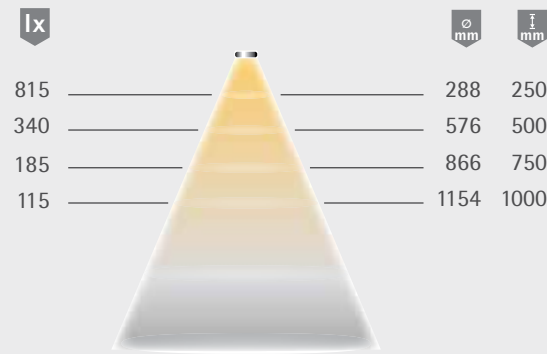
* Further accessories in section Switch systems/Ballasts and leads

Technical details

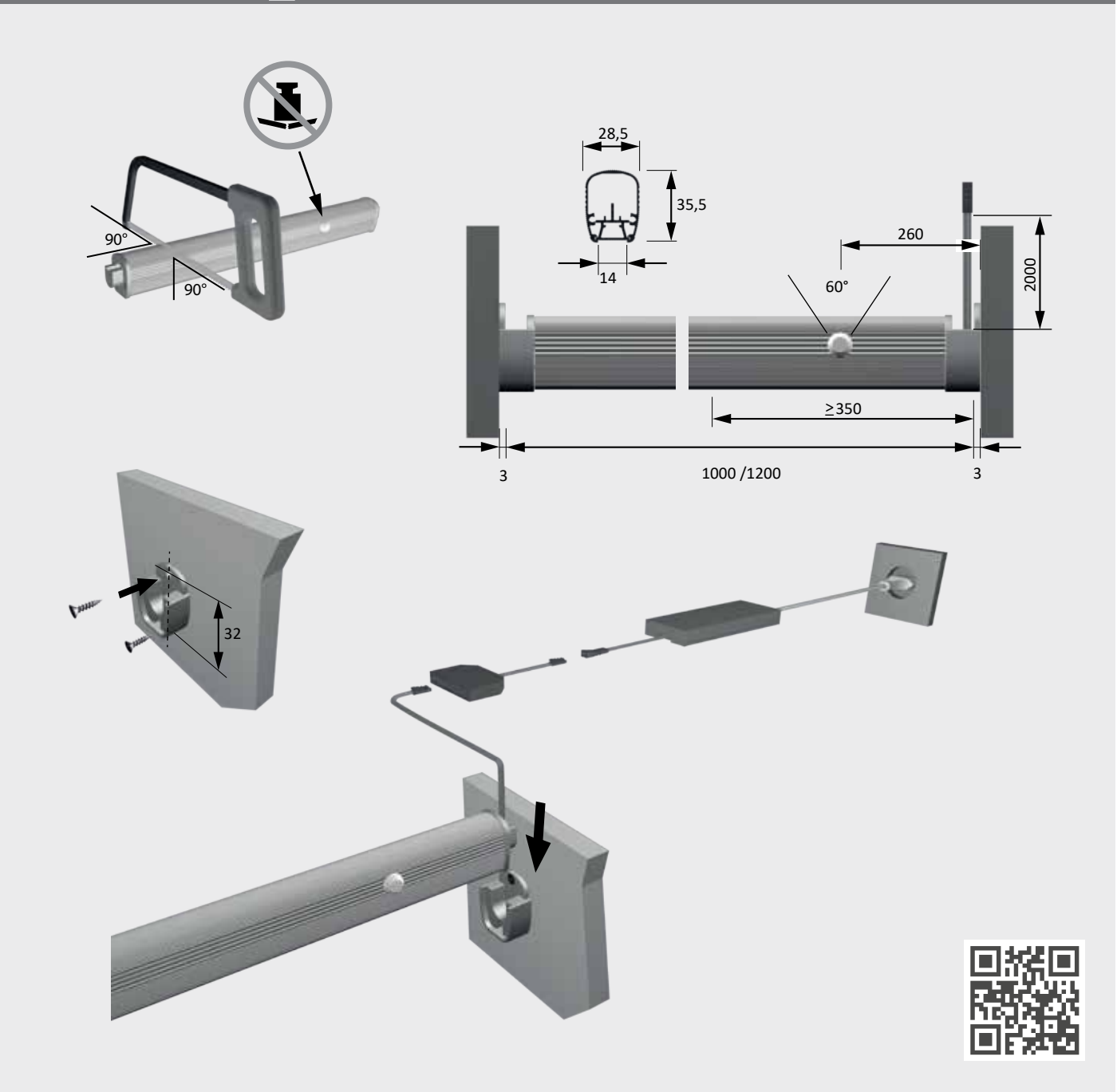


- Luminaire type: Wardrobe rail LED light
Type of lighting: Functional lighting
Surface finish: Aluminium
Operating voltage: 12 V DC
Light colour: WarmWhite/ NeutralWhite
Colour rendering: RA >80
Luminous flux: 220 lm/m
Luminaire efficiency: 44 lm/W
Light source: 80 lm/W
Life span: 30,000 h (L70)
Power consumption: max. 5.5 W
Dimmable: No
Beam angle: 90°
Half value angle: 60°
Test marks and symbols: CE, RoHS, Energy Star
Protection rating: IP 20
Supply lead: 2000 mm
Motion sensor
Detection angle: 60°
Reach: 2 m
Stay-'ON' time: 40 seconds
Plug connector: LED mini
M1 plug connector
LED ballast
Connection to:

Light distribution diagram 60°



Dimensional drawing / installation Can be individually 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
- Order information**
- When ordering, specify article number and interior body dimension in mm
 - Order cable duct separately if required

InnoLine Plus*	
	NeutralWhite
200-300 mm (max. 1.4 W)	55 168 01
301-400 mm (max. 1.8 W)	55 168 02
401-500 mm (max. 2.3 W)	55 168 03
501-600 mm (max. 2.8 W)	55 168 04
601-700 mm (max. 3.2 W)	55 168 05
701-800 mm (max. 3.8 W)	55 168 06
801-900 mm (max. 4.2 W)	55 168 07
901-1000 mm (max. 4.7 W)	55 168 08
1001-1100 mm (max. 5.2 W)	55 168 09
1101-1200 mm (max. 5.7 W)	55 168 10

Accessories**	
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

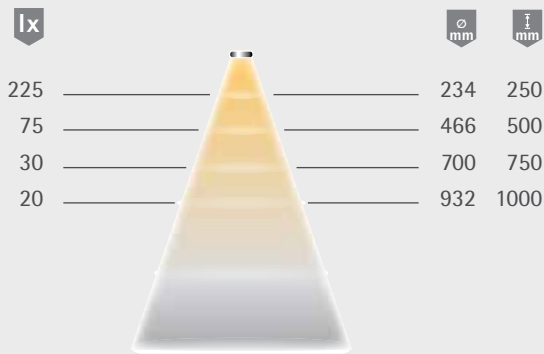
* Fixed lengths can be made to measure from a quantity of 1
** Further accessories in section Switch systems/Ballasts and leads

Technical details

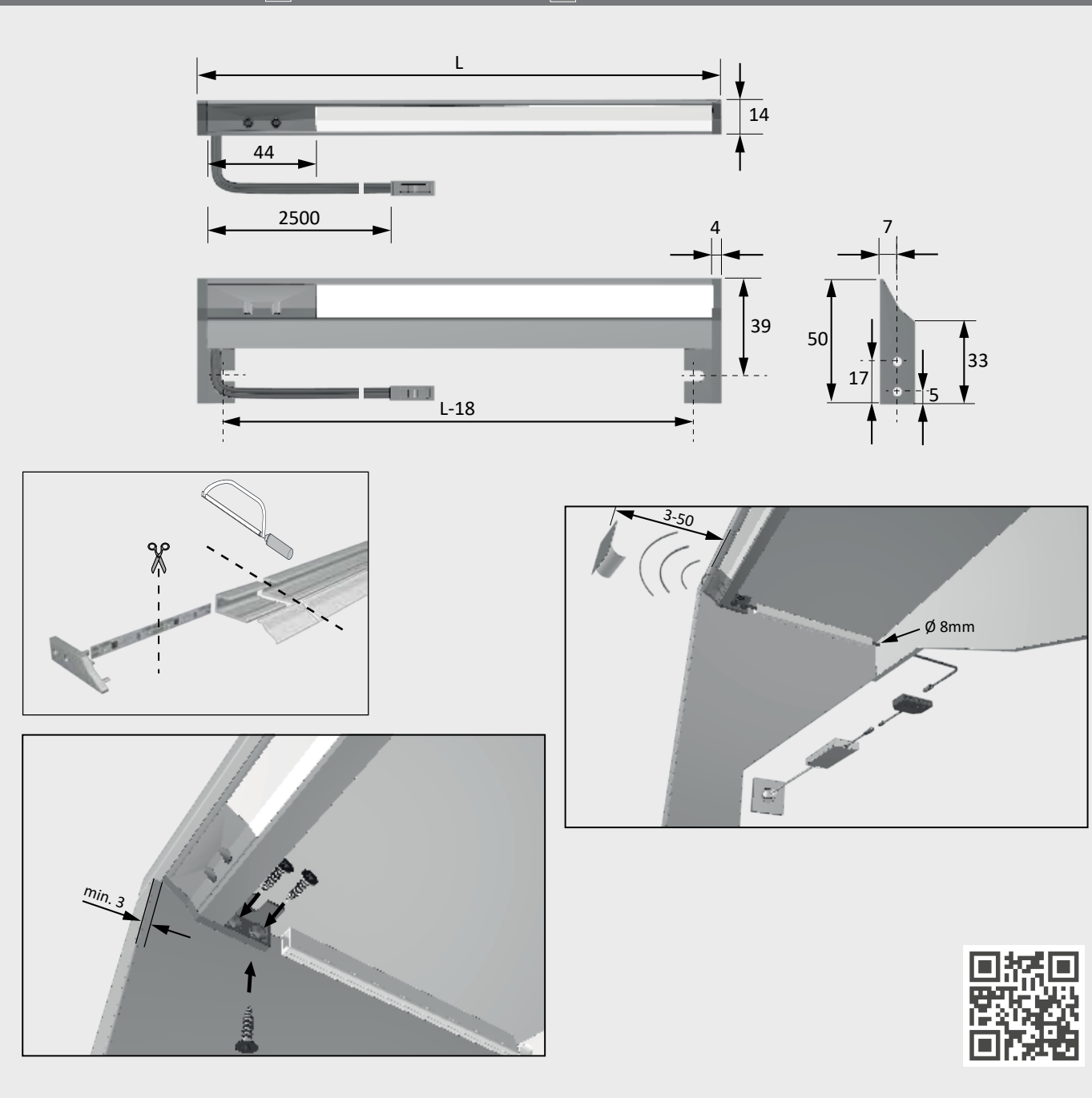


- | | |
|--------------------------|----------------------------------|
| Luminaire type: | Surface-mounted light |
| Type of lighting: | Functional lighting |
| Surface finish: | Aluminium |
| Operating voltage: | 12 V DC |
| Light colour: | NeutralWhite |
| Colour rendering: | RA >80 |
| Luminous flux: | 158 lm/m |
| Luminaire efficiency: | 34 lm/W |
| Light source efficiency: | 70 lm/W |
| Sensor range: | 3-50mm |
| Life span: | 30,000 h (L70) |
| Power consumption: | see ordering chart |
| Dimmable: | No |
| Beam angle: | 90° |
| Half value angle: | 50° |
| Test marks and symbols: | CE, RoHS, Energy Star, etc. |
| Protection rating: | IP 20 |
| Supply lead: | 2400 mm |
| Plug connector: | LED mini |
| Connection to: | M1 plug connector
LED ballast |

Light distribution diagram 50°



Dimensional drawing / installation can be individually cut to size Light can be made to measure





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
- Stairs

Order information

- Supply lead can be extended to 10 m

QuadroPoint square

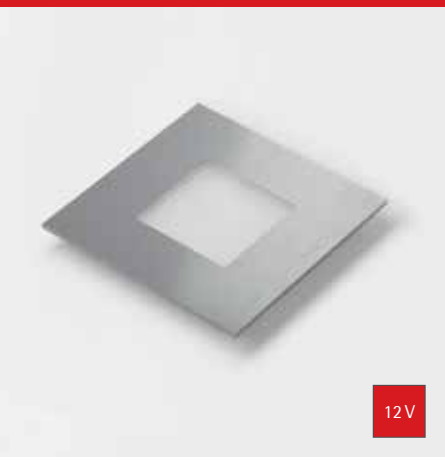
	NeutralWhite
Stainless steel look	38 970 01

Accessories*

LED ballast 6 W with flat Euro plug	30 226 02
M1 extension lead 5000 mm	36 743 03
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

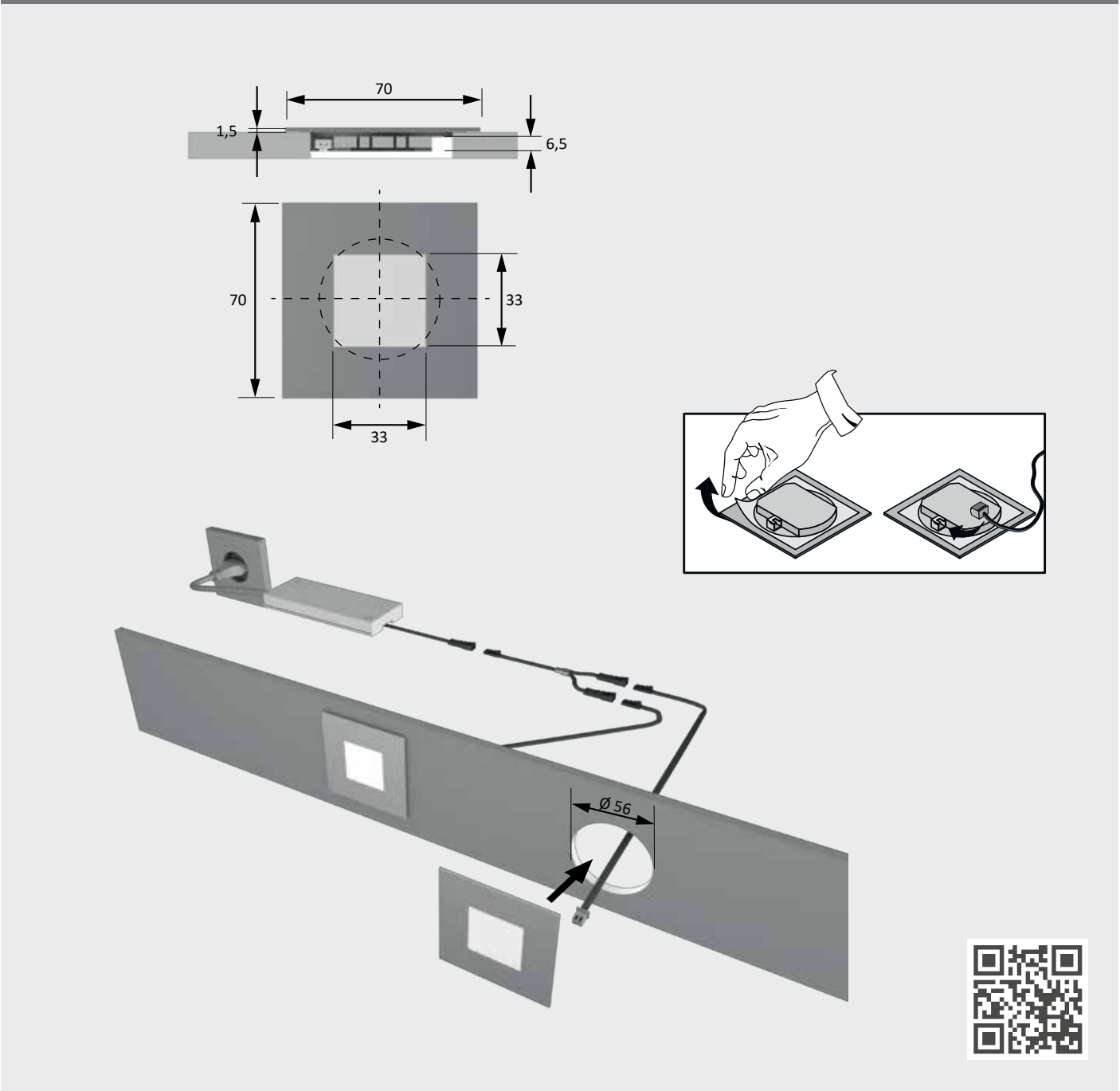
* Further accessories in section Switch systems/Ballasts and leads

Technical details



Luminaire type:	LED recessed light
Type of lighting:	Accent/ orientation lighting
Surface finish:	Stainless steel look
Operating voltage:	12 V DC
Light colour:	NeutralWhite
Colour rendering:	RA >80
Luminous flux:	18 lm
Life span:	30,000 h (L70)
Power consumption:	0.6 W
Dimmable:	Yes/PWM/Smart.home
Beam angle:	90°
Half value angle:	60°
Test marks and symbols:	CE, RoHS, Energy Star, ENEC
Protection rating:	IP 20
Supply lead:	3000 mm
Plug connector:	LED mini M1 plug connector
Connection to:	LED ballast

Dimensional drawing / installation





SwanLite

- Advantages
- Switch on light head
 - Easy to retrofit
 - Good price/performance ratio
- Features
- Flexible gooseneck
 - Wide beam
 - Swivelling lamp head

- Examples of use
- Bed head
 - Sofa
- Order information
- LED plug ballast and a extension lead are included in the set

SwanLite	NeutralWhite
Set of 2 Aluminium look	40 878 06
Set of 2 Chrome	40 878 03
Set of 2 Black Soft Touch	40 878 05

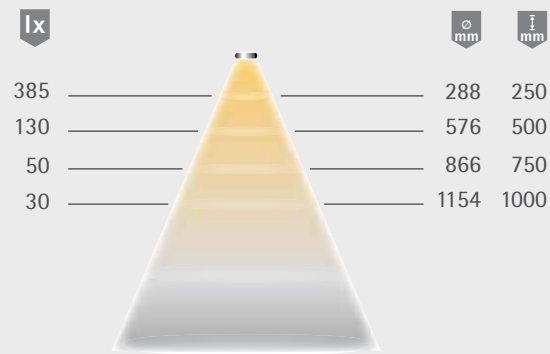
Technical details



Luminaire type: Surface-mounted light
Type of lighting: Functional lighting
Surface finish: Aluminium look, Chrome, Black Soft Touch

Operating voltage: 12 V DC
Light colour: NeutralWhite
Colour rendering: RA >80
Luminous flux: 100 lm per luminaire
Life span: 30,000 h (L70)
Power consumption: 1.25 W per luminaire
Dimmable: No
Number of LEDs: 21
Beam angle: 90°
Half value angle: 60°
Test marks and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini
Connection to: M1 plug connector LED ballast

Light distribution diagram 60°



Dimensional drawing / installation





Miles

- Advantages

 - Push button/dimmer in luminaire head
 - Easy to retrofit
 - High quality design light
- Examples of use

 - Headboard
 - Sofa
- Features

 - Flexible gooseneck
 - Non wide beam
- Order information

 - LED plug ballast and a Extension lead (set of 2) included in the set

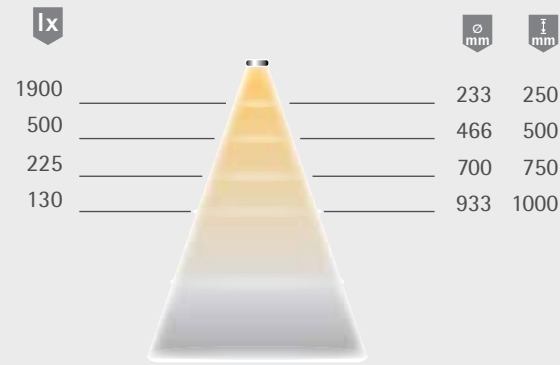
Miles		WarmWhite
Set of 1 Black matt		40 968 15
Set of 2 Black matt		40 969 15

Technical details

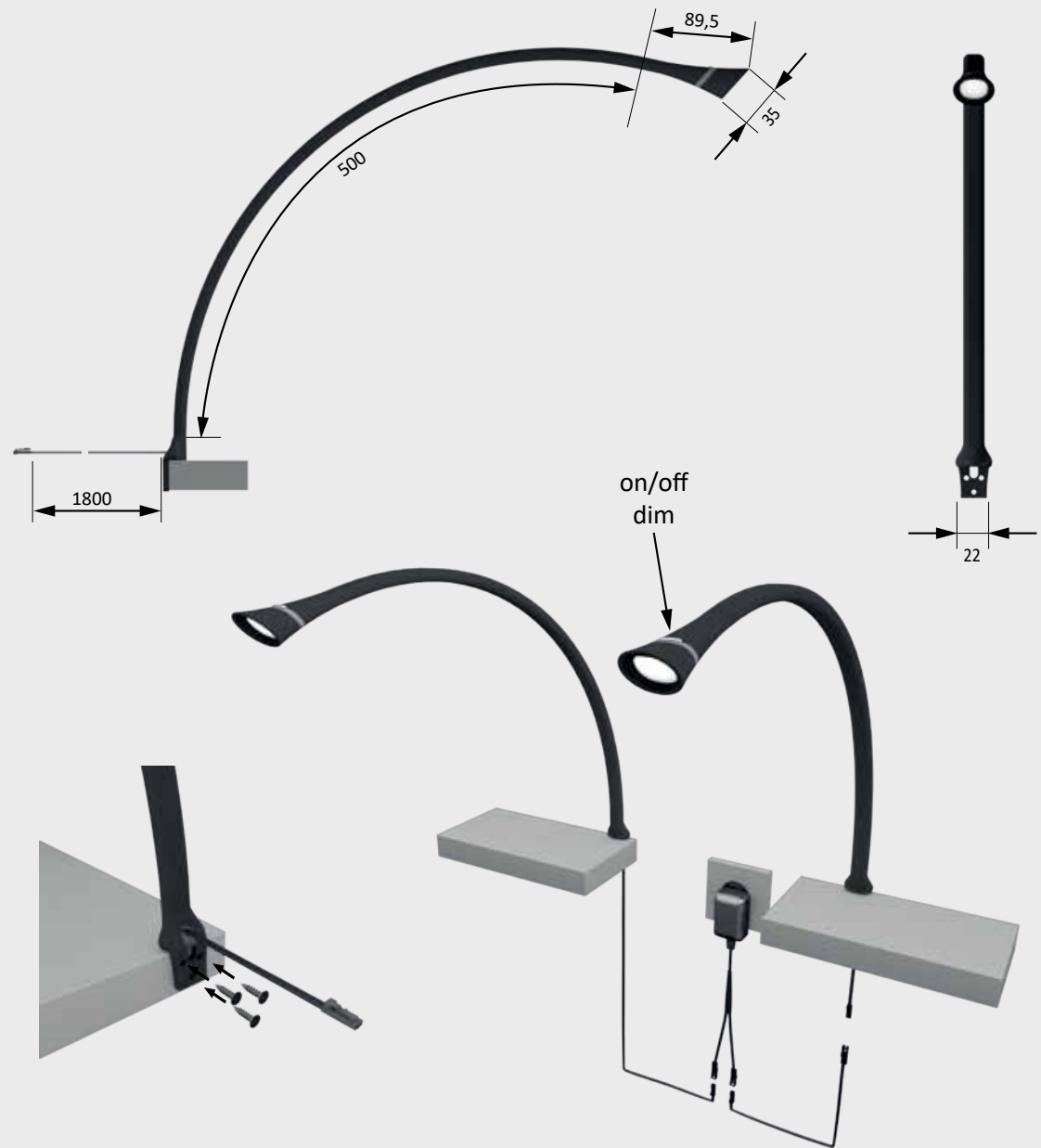


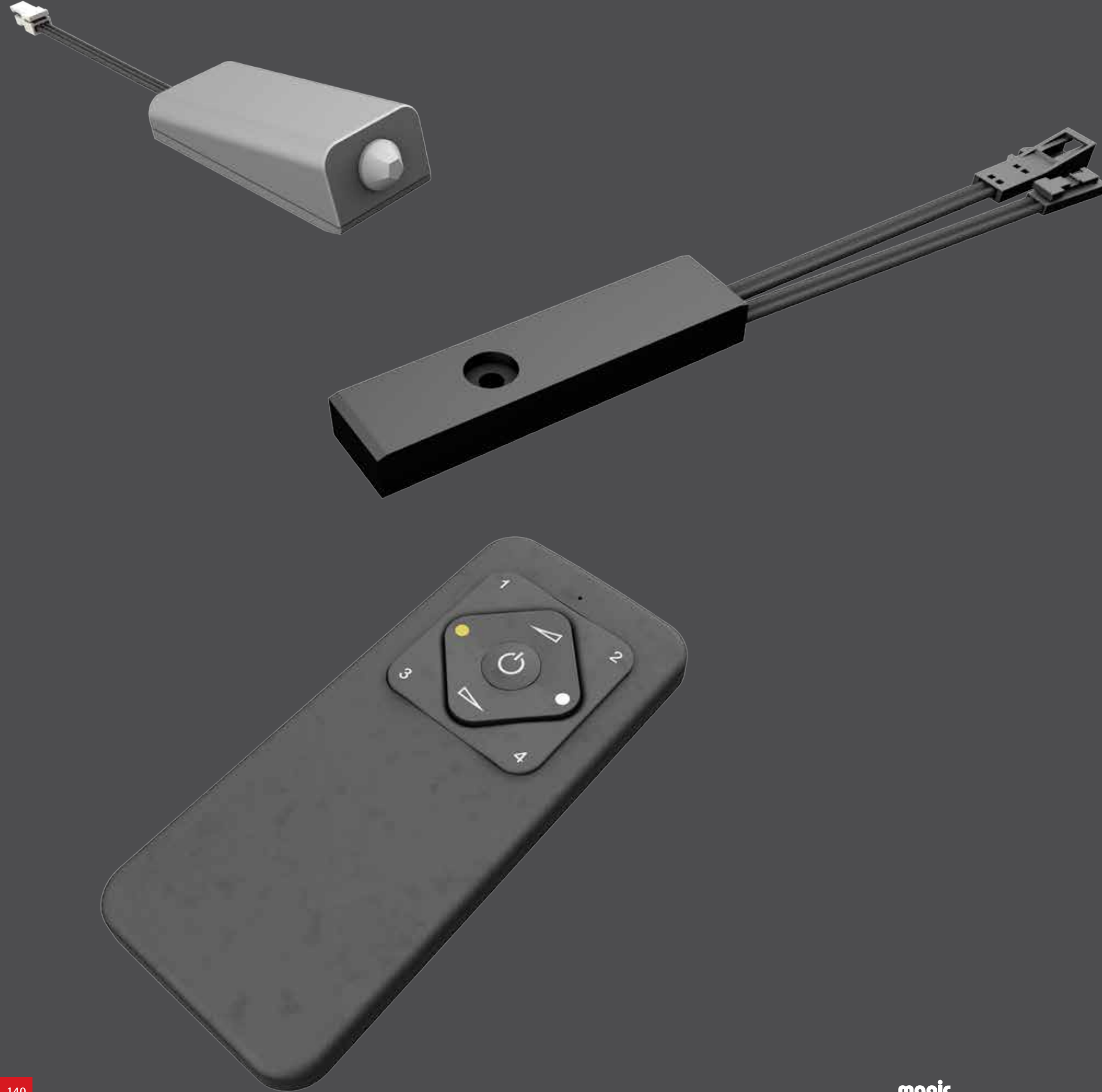
Luminaire type: Surface-mounted light
Type of lighting: Functional lighting
Surface finish: Black matt
Operating voltage: 12 V DC
Light colour: WarmWhite
Colour rendering: RA >80
Luminous flux: 130 lm per luminaire
Life span: 40,000 h (L70)
Power consumption: 1.8 W per luminaire
Dimmable: yes, via push button
Number of LEDs: 3
Beam angle: 70°
Half value angle: 50°
Test marks and symbols: CE, RoHS, Energy Star, ENEC
Protection rating: IP 20
Supply lead: 1800 mm
Plug connector: LED mini
Connection to: M1 plug connector LED ballast

Light distribution diagram 50°



Dimensional drawing / installation





Switch systems

The right system for any installation

Gentle dimming of luminaires, suitable lighting scenes or lights that respond to movement:

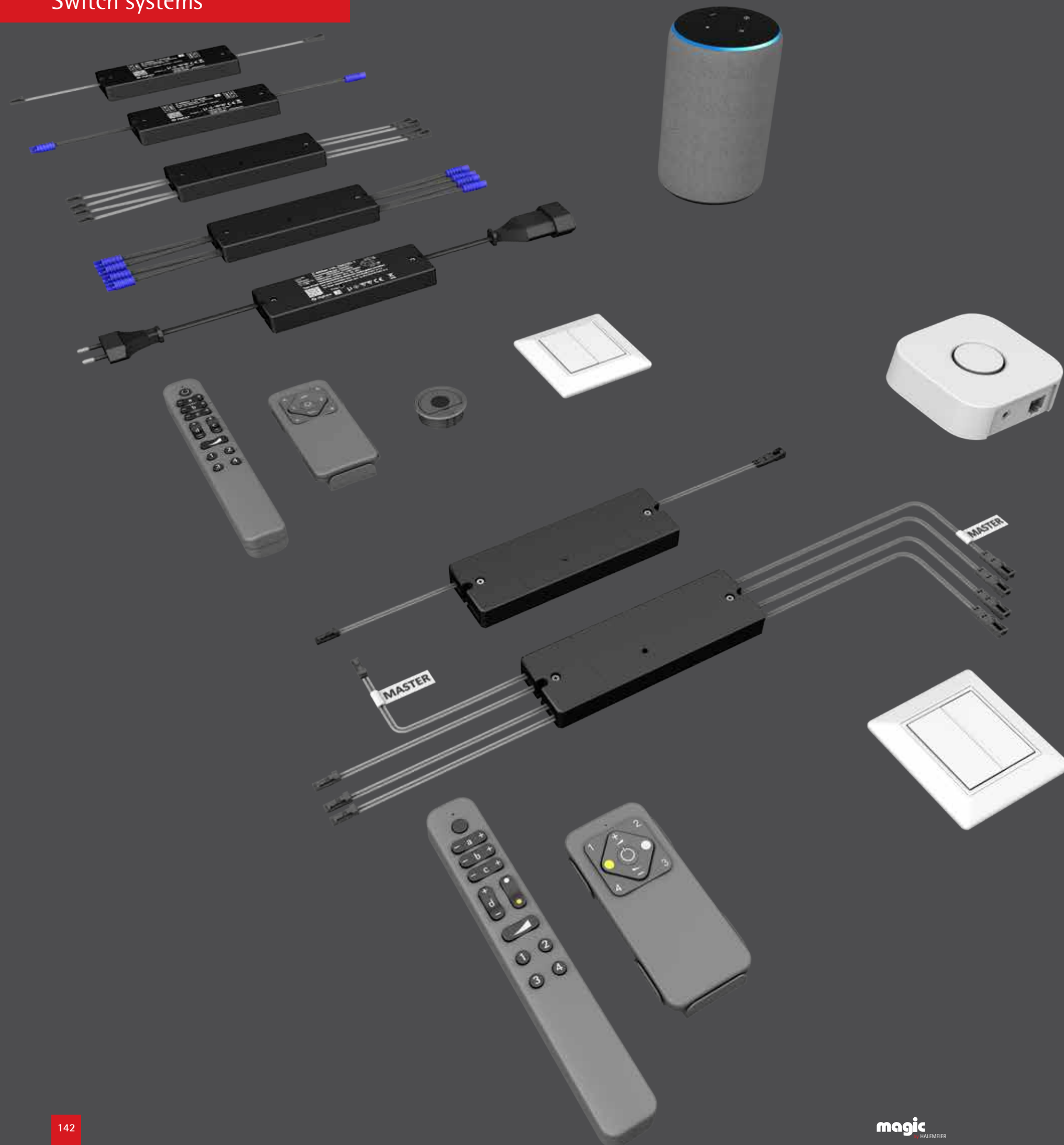
whether smart or conventional, our switch systems provide the right atmosphere at the right time.

However, our switch systems do not only work via Smart.home or remote control.

Lights can also be switched on automatically with motion sensors or door contact switches.

Of course, they can also be operated with the push of a button.

You can easily operate your furniture lighting or integrate it into your smart home – without any particular technical skills.



Smart receiver

Simply switch smart – in every situation

Our Smart receivers enable simple and intelligent lighting control. They work independently with the Halemeier remote control via Touch-Link or optionally in the Smart Home via Zigbee 3.0 in combination with many other devices from well-known manufacturers in the Zigbee Alliance.

The smart receivers not only receive signals, but also synchronise them wirelessly with each other (mesh). This allows you to set up large lighting systems with several lighting circuits or receivers.

Each smart receiver increases the range and stability of the overall system.



Zigbee controller for controlling lights

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with Zigbee universal remote controls



X-Mitter

Advantages

- 1-channel wireless switch and dimmer
- Comfortable light switching
- Can be integrated in a smart home

Features

- Memory function for power failure
- Set works independently or in the smart home network
- Remote control and smart receiver are programmed in the set

Order information

- Set consists of X-Mitter Smart Remote Control and Smart Receiver
- 230 Volt AC receiver can only on/off switch, not dim
- The Smart.home overview shows how our switch systems can be combined with each other and with third party providers

Technical details



Transmitter surface: soft lacquer black
Receiver housing: black
Max. switching power: 12 Volt DC-36 W
24 Volt DC-120 W
230 Volt AC-500 W

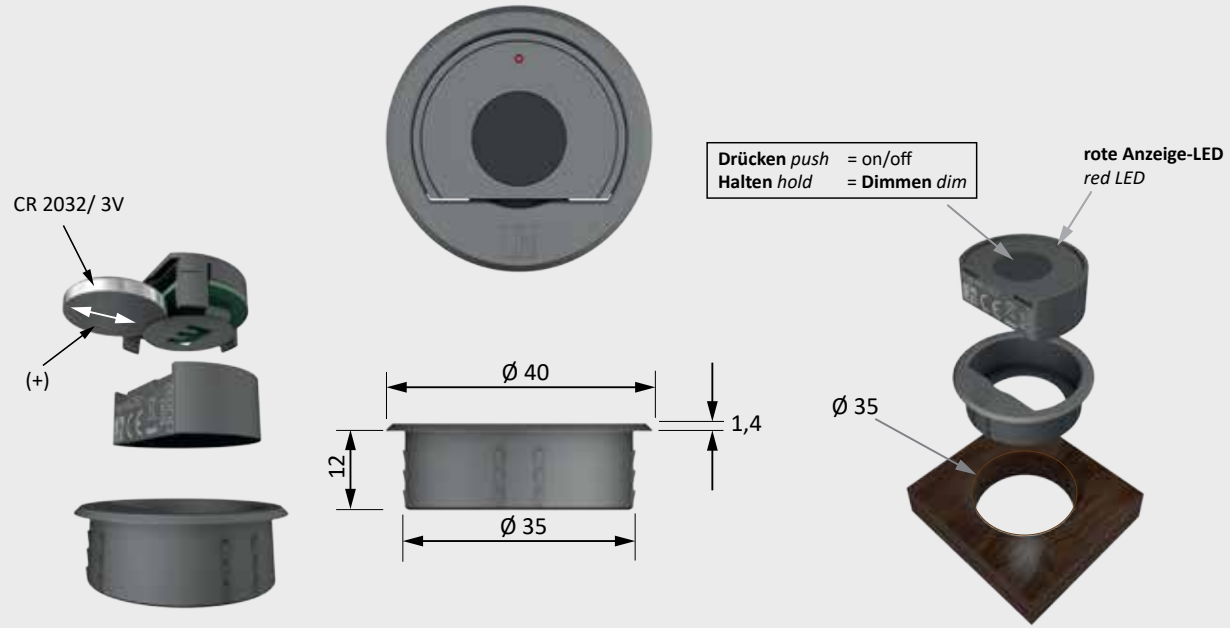
Test mark and symbols: CE, RoHS, WEEE
Line lengths: see drawing
Standby receiver HV: <0.5 W
Standby receiver NV: <0.3 W
Plug connector: LED connector M1/MP2/ Euroflat



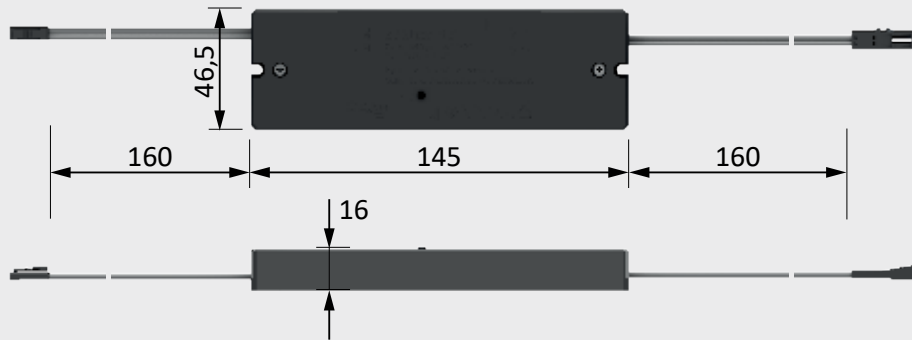
Zigbee controller for controlling lights

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with Zigbee universal remote controls

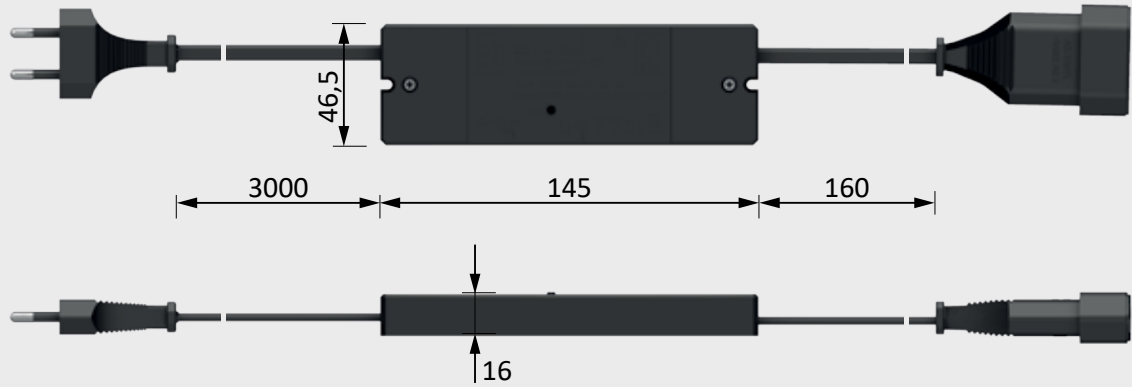
Dimensional drawing / installation



31.108.01 / 31.109.01 Smartempfänger smartreceiver 12VDC / 24VDC



31.110.01 Smartempfänger smartreceiver 230/240VAC (keine Dimmfunktion no dimming)



* Further accessories in section Switch systems/Ballasts and leads



S-Mitter

Advantages

- 5-channel wireless switch and dimmer
- Comfortable light switching
- Can be integrated in a smart home

Features

- Memory function in case of power failure
- Storage of up to 4 light scenes
- Remote control and smart receiver are programmed in the set
- Set works independently or in the smart home network

Order information

- Set consists of S-Mitter Smart Remote Control and 1 channel Smart Receiver
- 230 Volt AC receiver can only on/off switch, not dim
- The Smart.home overview shows how our switch systems can be combined with each other and with third party providers

Technical details



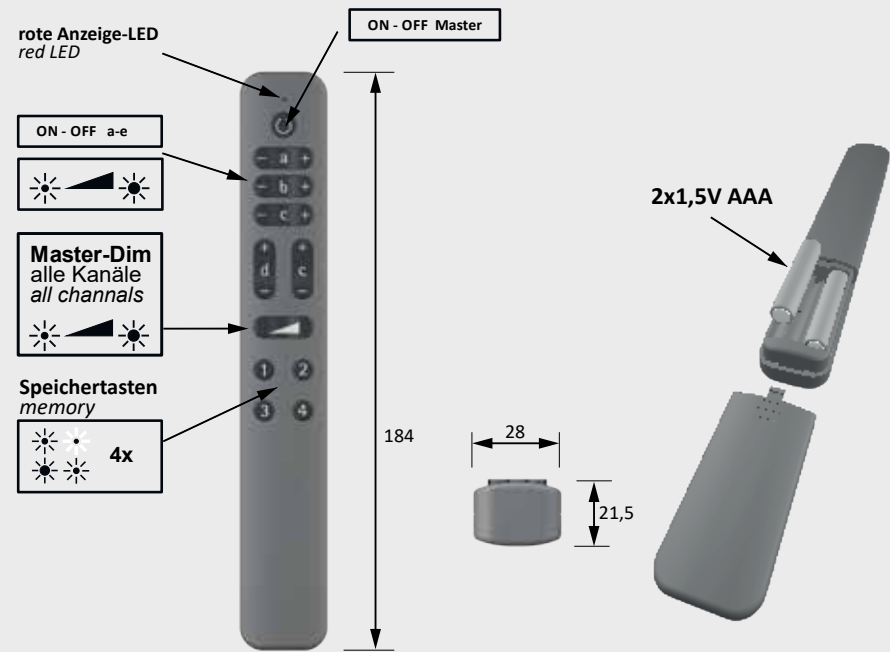
Transmitter surface: soft lacquer black
Receiver housing: black
Max. switching power: 12 Volt DC-36 W
24 Volt DC-120 W
230 Volt AC-500 W
Test mark and symbols: CE, UKCA, WEEE
Line lengths: see drawing
Standby receiver HV: <0.5 W
Standby receiver NV: <0.3 W
Plug connector: LED
Plug connector: M1/MP2



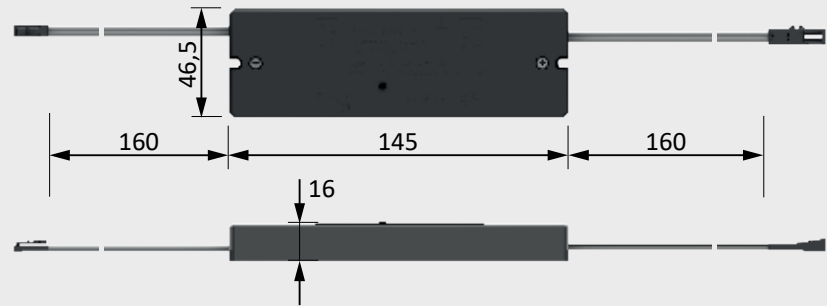
Zigbee controller for controlling lights

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with Zigbee universal remote controls

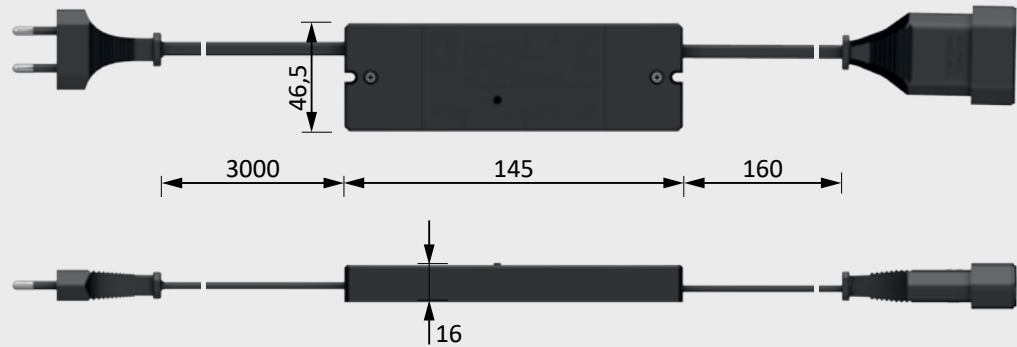
Dimensional drawing / installation



31.111.01 / 31.112.01 Smartempfänger smartreceiver 12VDC / 24VDC



31.113.01 Smartempfänger smartreceiver 230/240VAC (keine Dimmfunktion no dimming)



* Further accessories in section Switch systems/Ballasts and leads



4-Mitter

Advantages

- 4-channel wireless switch and dimmer
- Comfortable light switching
- Can be integrated in a smart home

Features

- Memory function for power failure
- Storage of 2 light scenes
- Remote control and smart receiver are in the set programmed in the set
- Set works independently or in smart home network

Order information

- Set consists of 4-Mitter Smart Remote control and Smart Receiver
- The Smart.home overview shows how our switch systems can be combined with each other and with third party providers

4-Mitter (4-channel wireless switch and dimmer)

4-Mitter Smart Radio Switch Set 12 Volt DC	31 115 01
4-Mitter Smart Radio Switch Set 24 Volt DC	31 116 01
4-Mitter Smart Remote Control	31 117 01

Accessories*

Smart Receiver 12 Volt DC 4-Channel	31 101 01
Smart Receiver 24 Volt DC 4-Channel	31 103 01
Wall mount Smart Basic, magnetic	36 257 01

* Further accessories in section Switch systems/Ballasts and leads

Technical details



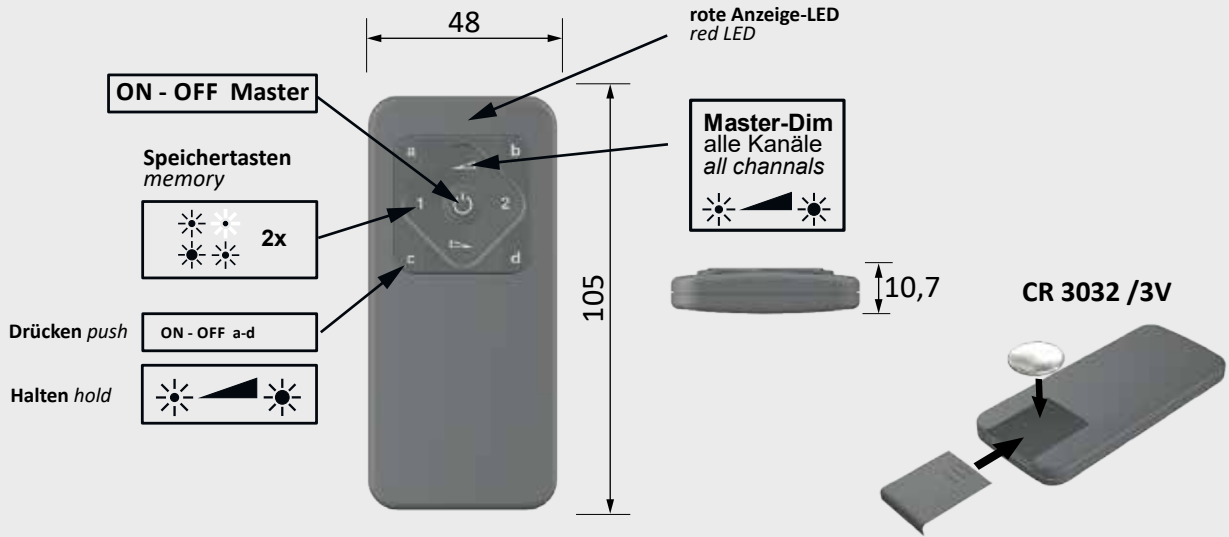
Transmitter surface: Soft lacquer black
Receiver housing: Black
Max. switching power: 12 Volt DC-4*36W
24 Volt DC-4*72W
Test marks and symbols: CE, RoHS, Energy Star
Supply lead: 160 mm
Switching lead: 160 mm
Standby receiver: <0.3 W
Plug connector: LED
Plug connector: M1/MP2



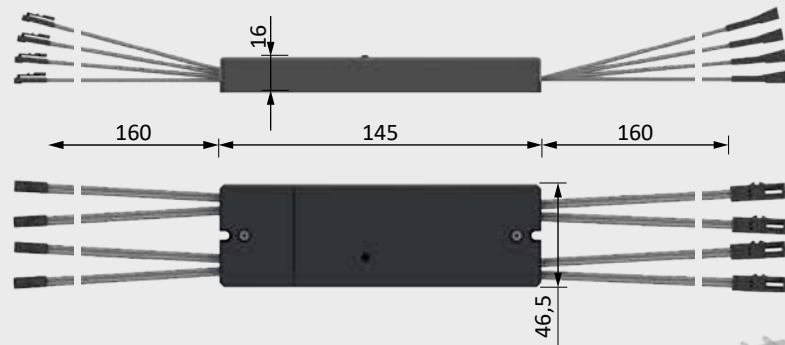
Zigbee controller for controlling lights

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with Zigbee universal remote controls

Dimensional drawing / installation



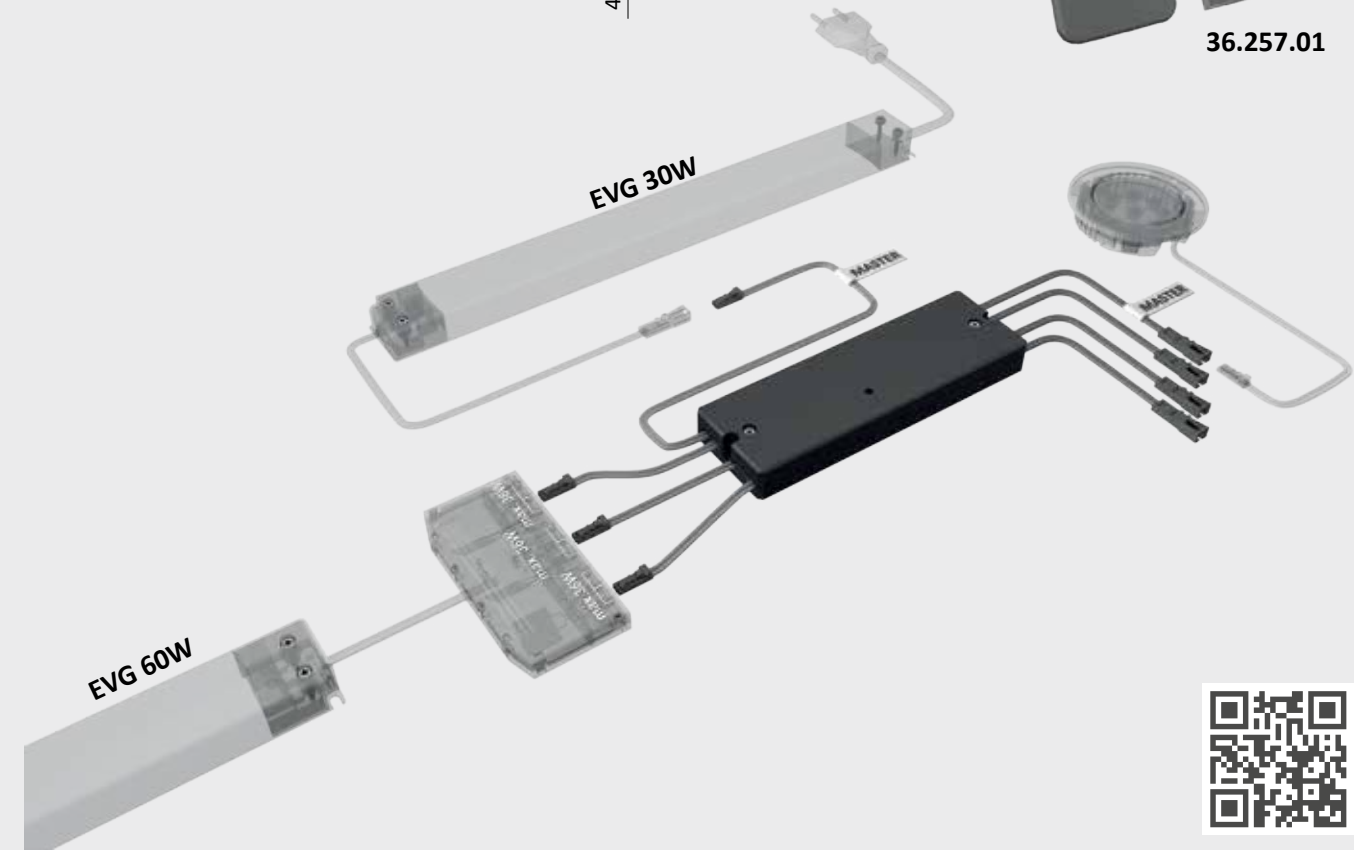
31.101.01 / 31.103.01 Smartempfänger smartreceiver 12VDC / 24VDC



31.117.01



36.257.01





MultiWhite

Always the right light colour

Warm or cool white light? Bright and fresh light for preparing and cooking food. When the dish is ready, the light changes to cosy WarmWhite.

With MultiWhite, light colours and moods can be changed according to requirements – smart wireless solutions make it possible. When you have found your preferred light settings, simply save them so you can call up the same light scenes whenever you want them.

By choosing MultiWhite, you're always on the safe side. If customer wishes or requirements change, you can react completely flexibly with the product.

MultiWhite can also be easily adapted to existing luminaires.



From ExtraWarmWhite to CoolWhite – MultiWhite is always the right choice



S-Mitter MultiWhite

Advantages

- 4-channel wireless switch and dimmer
- Stepless adjustment of the light colour from CoolWhite to ExtraWarmWhite
- Can be integrated in a smart home

Features

- Memory function for power failure
- Storage of up to 4 light scenes
- Remote control and smart receiver are in the set programmed in the set
- Set works independently or in the smart home network

Order information

- Set consists of S-Mitter Smart Remote Control and 1-channel Smart Receiver
- Plus Set consists of S-Mitter Smart Remote Control, 1-channel or 4-channel Smart Receiver and a 60 W ballast
- The Smart.home overview shows how our switch systems can be combined with each other and with third-party suppliers

S-Mitter (4-channel wireless switch and dimmer)

S-Mitter MultiWhite Smart Set	31 120 01
S-Mitter MultiWhite Smart Set Plus 1 channel	31 121 01
S-Mitter MultiWhite Smart Set Plus 4 channel	31 121 02
S-Mitter MultiWhite Smart Remote Control	31 122 01

Accessories*

Smart Receiver MultiWhite 1-Channel	31 118 01
Extension set MultiWhite 12 Volt DC-30 W, receiver and electronic ballast	31 131 01
Extension set MultiWhite 12 Volt DC-60 W, receiver and electronic ballast	31 128 01

* Further accessories in section Switch systems/Ballasts and leads

Technical details



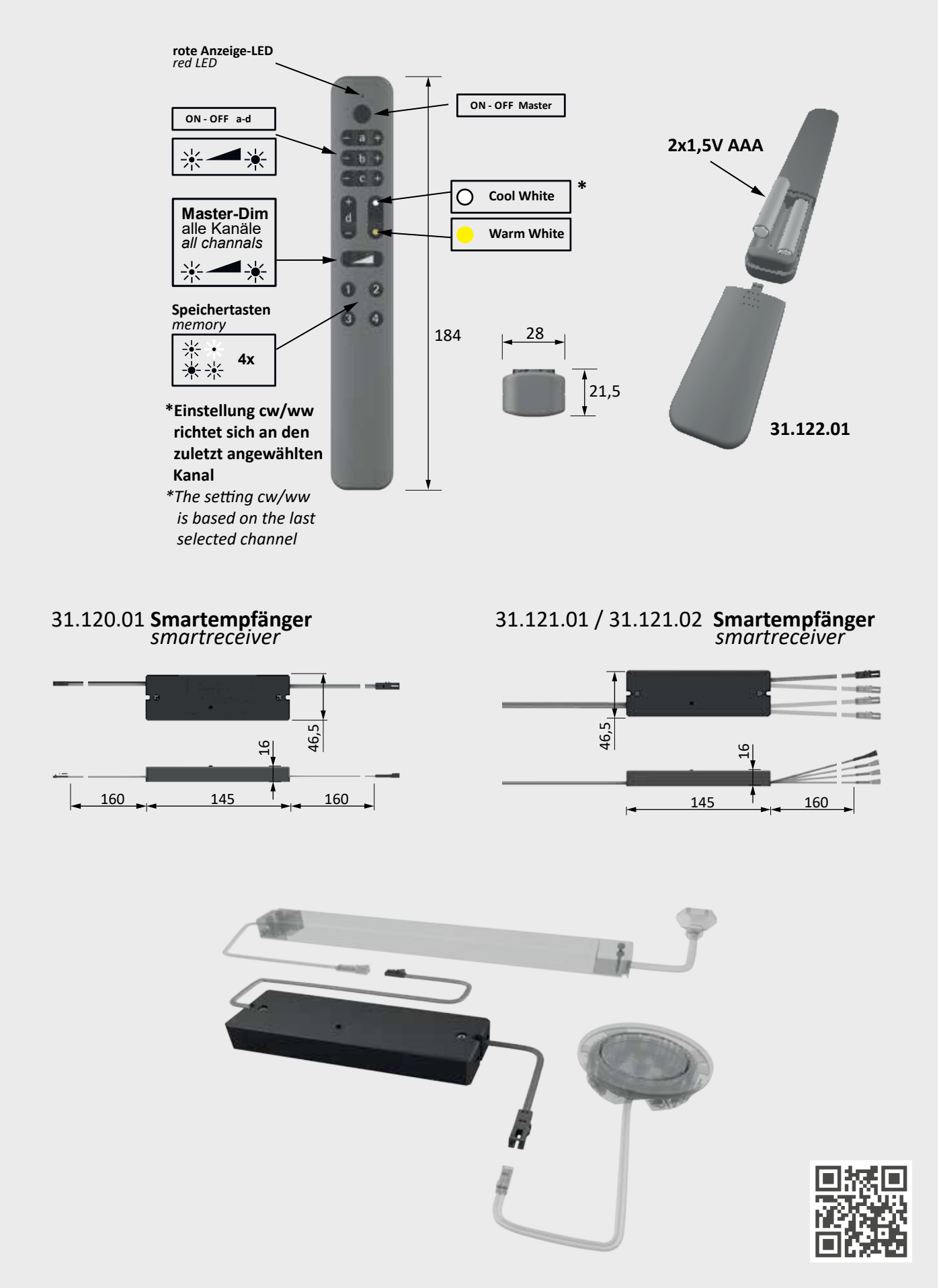
For use with: MultiWhite LED lights
Transmitter surface: soft lacquer black
Receiver housing: black
Max. switching power: 12 Volt DC-36 W/60 W
Test marks and symbols: CE, RoHS, Energy Star
Supply lead: 160 mm
Switching lead: 160 mm
Standby receiver: <0.3 W
Plug connector: LED mini connector M1



ZigBee controller for the control of MultiWhite lights via 2-wire system

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products

Dimensional drawing / installation





S-Mitter Basic MultiWhite

- Advantages

 - 1-channel wireless switch and dimmer
 - Stepless adjustment of the light colour from CoolWhite to ExtraWarmWhite
 - Can be integrated in a smart home
- Features

 - Memory function for power failure
 - Storage of up to 4 light scenes
 - Remote control and smart receiver are in the set programmed in the set
 - Set works independently or in the smart home network
- Order information

 - Set consists of S-Mitter Basic Smart Remote Control and Smart Receiver
 - Plus Set consists of S-Mitter Basic Smart Remote Control, Smart Receiver and a 60 W ballast
 - The Smart.home overview shows how our switch systems can be combined with each other and with third-party suppliers

S-Mitter Basic (1-channel wireless switch and dimmer)

S-Mitter Basic MultiWhite Smart Set	31 123 01
S-Mitter Basic MultiWhite Smart Set Plus	31 124 01
S-Mitter MultiWhite Basic Smart Remote Control	31 125 01

Accessories*

Smart Receiver MultiWhite 1-Channel	31 118 01
Extension set MultiWhite 12 Volt DC-30 W, receiver and electronic ballast	31 131 01
Extension set MultiWhite 12 Volt DC-60 W, receiver and electronic ballast	31 128 01
Wall mount Smart Basic magnetic	36 257 01

* Further accessories in section Switch systems/Ballasts and leads

Technical details



For use with:
Transmitter surface:
Receiver housing:
Max. switching power:

LED lights
soft lacquer black
black
12 Volt DC-
36 W/60 W

Test marks and symbols:
Supply lead:
Switching lead:
Standby receiver:
Plug connector:

CE
160 mm
160 mm
<0.3 W
LED
M1 plug connector

ZigBee controller for the control of MultiWhite lights via 2-wire system

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with CCT Zigbee universal remote controls

Dimensional drawing / installation

31.117.01

36.257.01

31.123.01 Smartempfänger smartreceiver

31.124.01 Smartempfänger smartreceiver



Wall switch Smart

- Advantages

 - ▶ 1-channel wireless switch and dimmer
 - ▶ Stepless adjustment of the light colour from CoolWhite to ExtraWarmWhite
 - ▶ Can be integrated in a smart home
- Features

 - ▶ Fits in mounting frames of leading switch manufacturers
 - ▶ Does not require drilling for cavity wall box
 - ▶ Works with smart receivers or in the smart home network
- Order information

 - ▶ Can be connected with all 1-channel Smart Receivers
 - ▶ The Smart.home overview shows how our switch systems can be combined with each other and with third-party suppliers

Wall transmitter (1-channel wireless switch and dimmer)

Wall transmitter Smart	31 126 01
Accessories*	
Smart Receiver MultiWhite 1-Channel	31 118 01
Extension set MultiWhite 12 Volt DC-30 W, receiver and electronic ballast	31 131 01
Extension set MultiWhite 12 Volt DC-60 W, receiver and electronic ballast	31 128 01

Technical details



Surface finish
Wall transmitter: White, matt
Receiver housing: Black
Test marks and symbols:   
Supply lead: 160 mm
Switching lead: 160 mm
Standby receiver: <0.3 W
Plug connector: LED
M1 plug connector

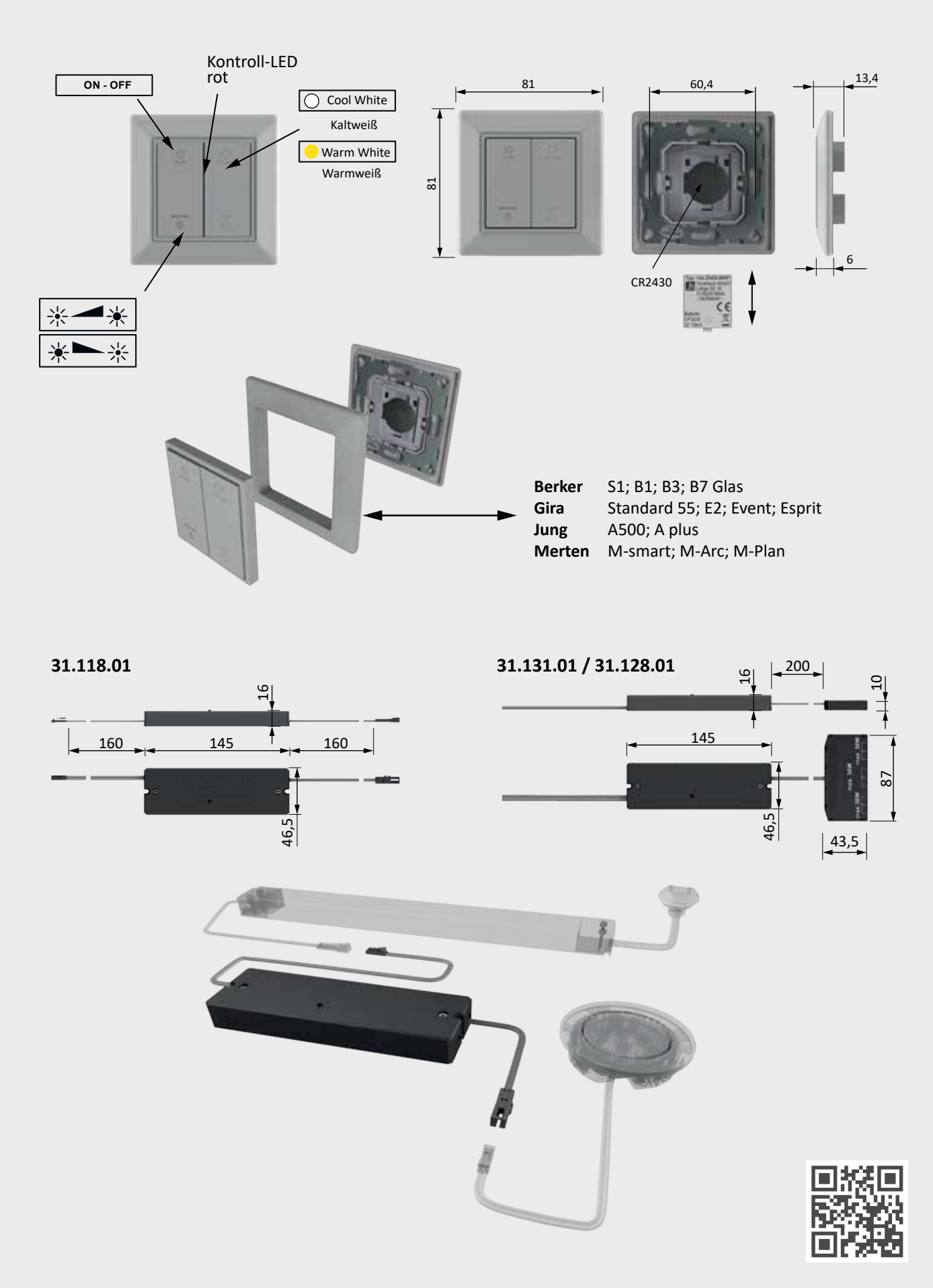


ZigBee controller for the control of MultiWhite lights via 2-wire system

- Uses the Zigbee 3.0 protocol
- Supports Zigbee TouchLink
- Adding devices to the self-configuring Zigbee Touchlink network possible
- Compatible with Zigbee Gateway universal products
- Compatible with CCT Zigbee universal remote controls

* Further accessories in section Switch systems/Ballasts and leads

Dimensional drawing / installation





BasicControl MultiWhite

Advantages

- ▶ Entrance-level wired MultiWhite control
- ▶ Light colour change from CoolWhite to ExtraWarmWhite

Features

- ▶ 3-stage dimming function
- ▶ With built-in orientation LED
- ▶ Memory function for power failure

Examples of use

- ▶ Can also be used for one-time fine adjustment of luminaires installed after an on/off switch

BasicControl MultiWhite

BasicControll MultiWhite

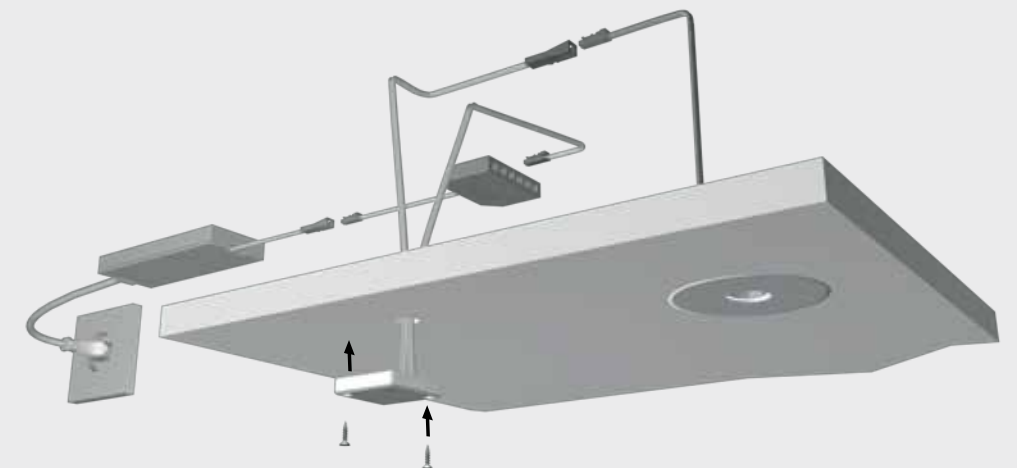
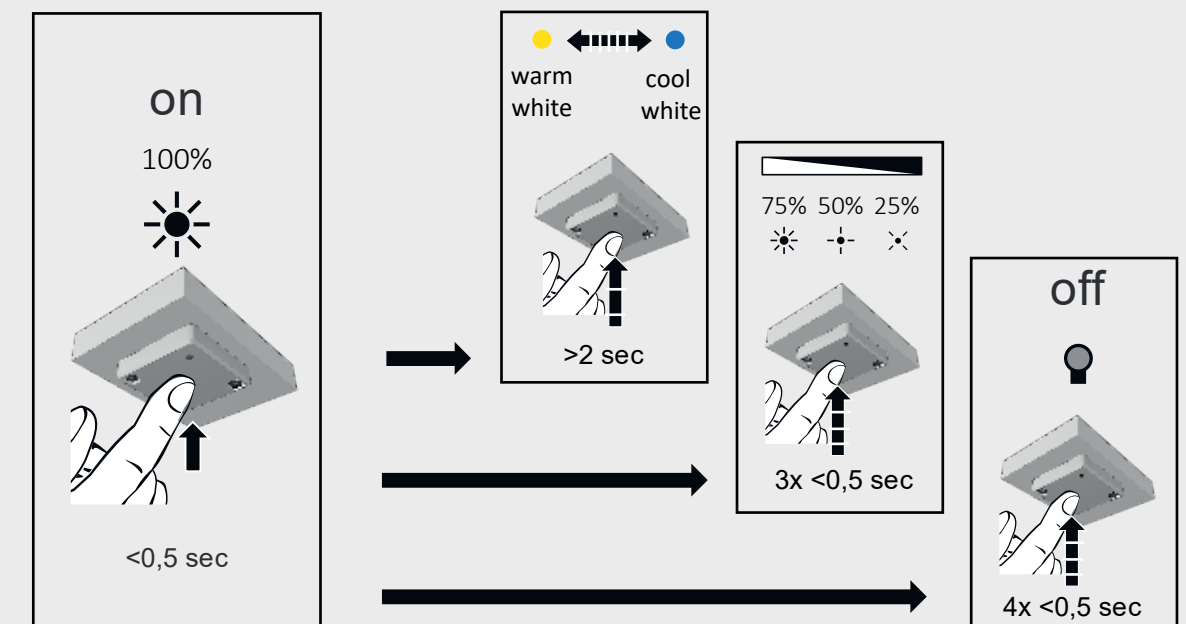
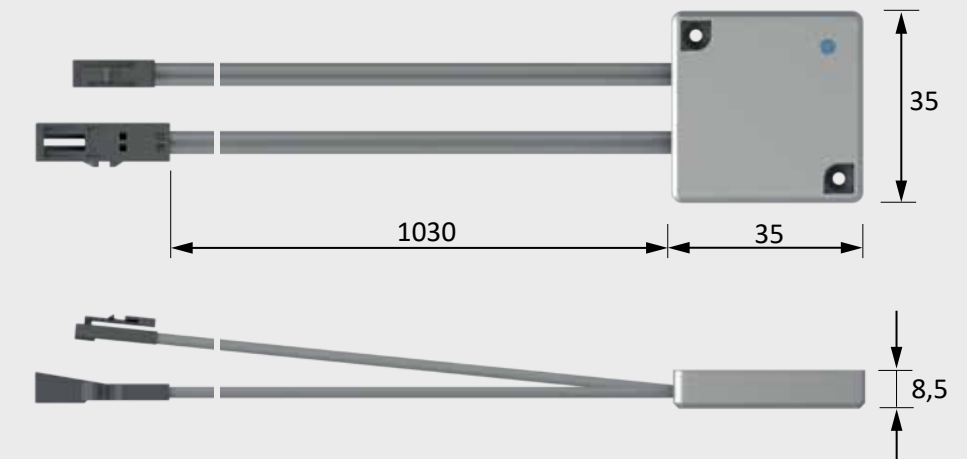
30 775 01

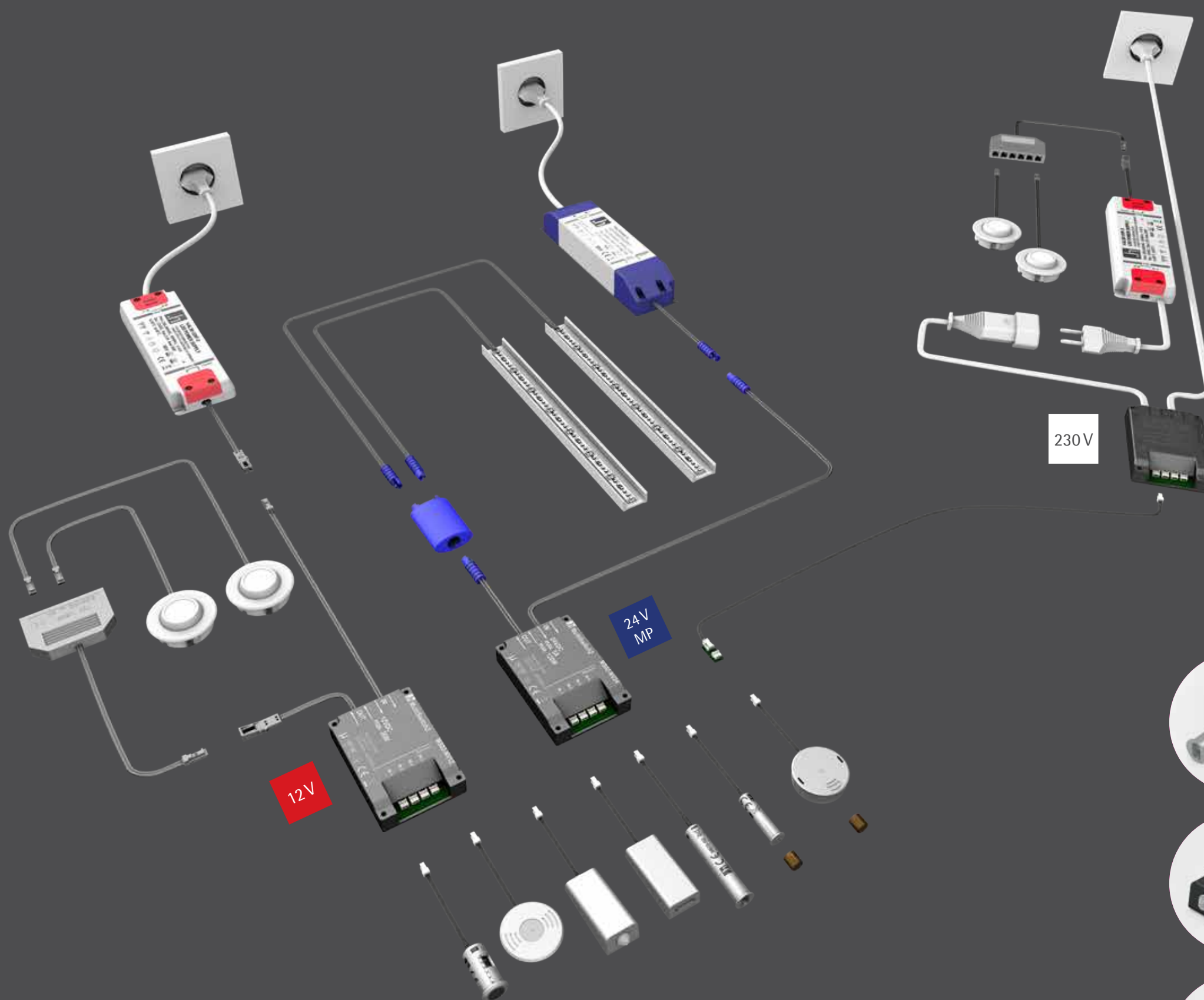
Technical details



For use with: LED lights
 Surface finish: Black
 Max. switching power: 12 Volt DC-36 W
 Test marks and symbols:   
 Supply lead: 1800 mm
 Switching lead: 1800 mm to the LED luminaire
 Standby: <0.5 W
 Plug connector: LED mini
 Plug connector M1

Dimensional drawing / installation





MultiSwitch²

Simple. Automatic. Switching.

We have further developed our proven MultiSwitch and equipped it with various additional highlights. Now with 4 sensors to monitor 4 doors.

The overall smaller plug-in system is space-saving and the intelligent sensor system prevents faulty switching.

In addition, the sensors are now also available in the trendy colour black.

MultiSwitch sensors



Infrared sensor for drill-hole mounting (IR door contact switch, optionally in aluminium look or in black colour)



Screw-on motion sensor (PIR sensor, optionally in aluminium look or in black colour)



Magnetic sensor for insertion in pot holes (magnetic sensor, optionally also as drill-in sensor)



MultiSwitch² Contact

Advantages

- Infrared sensor for drill-hole or surface mounting
- Connection of 1 up to 4 identical sensors to a Master unit

Features

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

- The sensor has two settings – switch and door contact

Examples of use

- Door contact switch
- Non-contact sensor switch (infrared sensor) for screwing on)




Order information

- For other sensors, see other pages

Technical details



For use with: LED lights
Max. switching power: 12 Volt DC-36 W
24 Volt DC-120 W
230 V AC
-max. 500 W

Test marks and symbols:   
Switching distance: see drawing
Sensor lead: 3000 mm
Master unit
Supply lead:

HV 3000 mm
LV 2000 mm
Switching lead: HV 150 mm
LV 300 mm

Standby: <0.5 W
Plug connector: LED connector
M1/MP2/
Euroflat

MultiSwitch IR (infrared sensor)

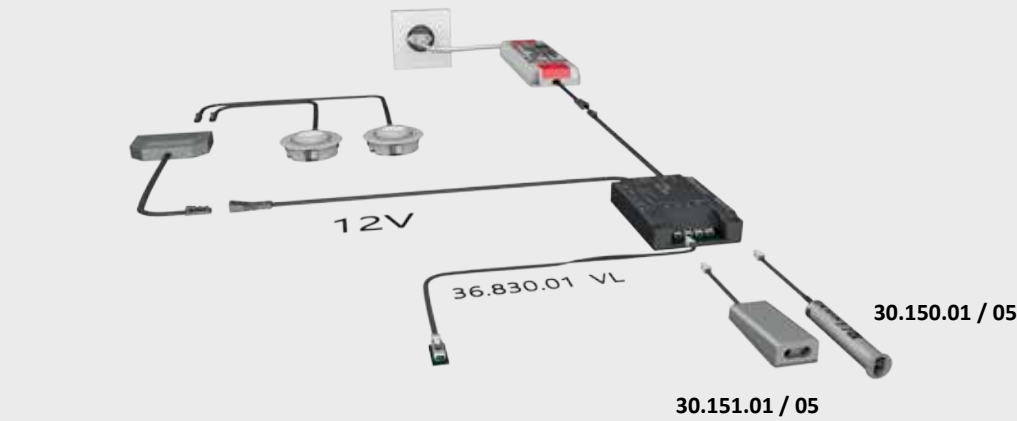
Infrared sensor for drilling in (IR door contact switch, aluminium look)	30 150 01
Infrared sensor for drilling in (IR door contact switch, black)	30 150 05
Infrared sensor for screwing on (IR sensor or door contact switch, aluminium look)	30 151 01
Screw-on infrared sensor (IR sensor or door contact switch, black)	30 151 05
Master unit 230 Volt AC-500 W with Euro flat plug	30 141 01
Master unit 12 Volt D-36 W*	30 142 01
Master unit MultiWhite 12 Volt DC-36 W**	30 144 01
Master unit 24 Volt DC-120 W*	30 143 01

Accessories

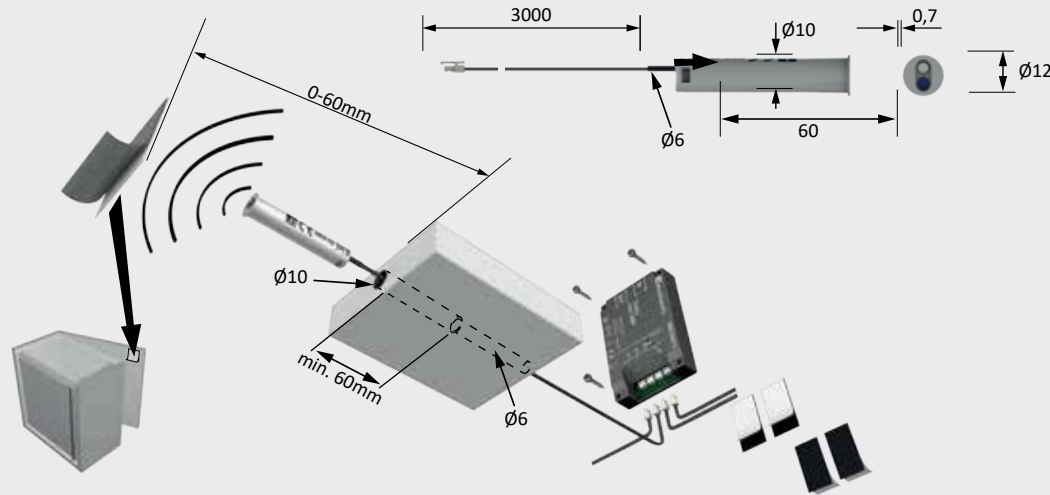
Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08
Extension lead sensor cable 3000 mm***	36 830 01

* Only for use with dimmable LED luminaires
** Can be used behind MultiWhite controls
*** Maximum one per sensor

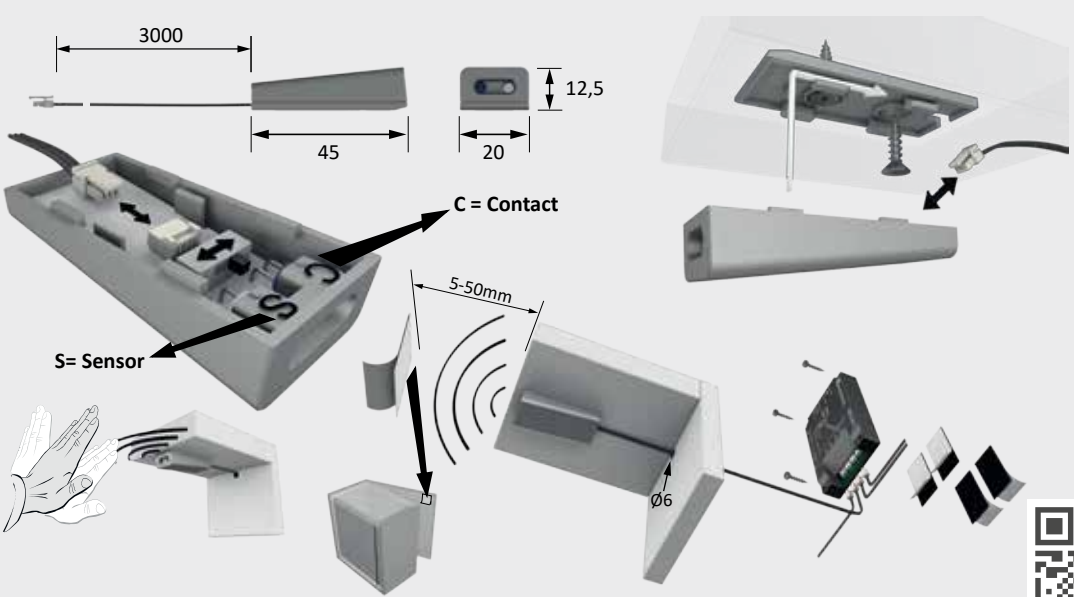
Dimensional drawing / installation



Max. 4x 30.150.01 / 30.150.05



Max. 4x 31.151.01 / 31.151.05





MultiSwitch² Magnet

Advantages

- Sensor for drilling, for insertion
- Invisible installation possible
- Connection of 1 up to 4 identical sensors to a Master unit

Features

- Soft ON/OFF function (soft-start when power Switching on/off only with 12/24 Volt DC)
- Memory function for power failure
- Proximity switch with reed principle
- Penetrates up to 15 mm material

Examples of use

- Door contact switch
- Can be used behind edges

Order information

- Magnet included in delivery
- Further sensors see other pages

MultiSwitch magnet (infrared sensor)

Magnetic sensor for drilling in, aluminium look	30 156 01
Magnetic sensor for drilling in, black	30 156 05
Sensor for insertion in pot holes	30 155 01
Master unit 230 Volt AC-500 W with Euro flat plug	30 141 01
Master unit 12 Volt DC-36 W*	30 142 01
Master unit MultiWhite 12 Volt DC-36 W**	30 144 01
Master unit 24 Volt DC-120 W*	30 143 01

Accessories

Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08
Extension lead sensor cable 3000 mm***	36 830 01

* Only for use with dimmable LED luminaires

** Can be used behind MultiWhite controls

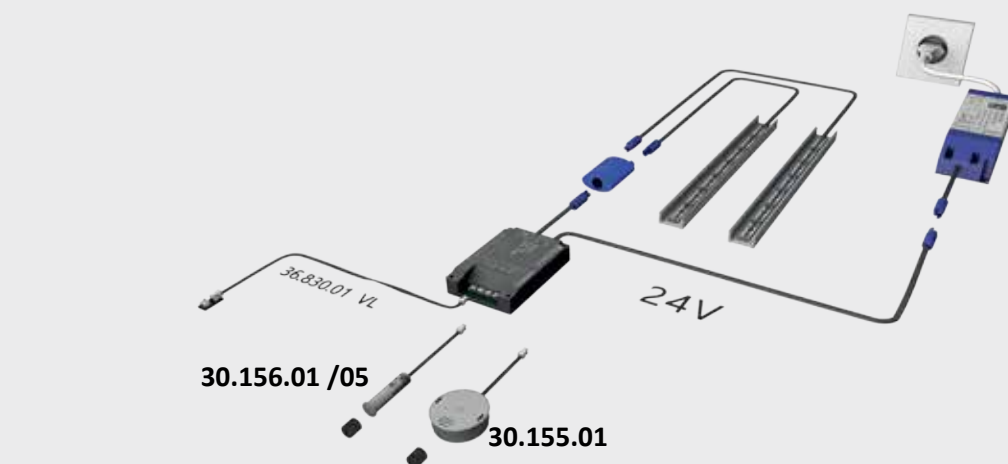
*** Maximum one per sensor

Technical details

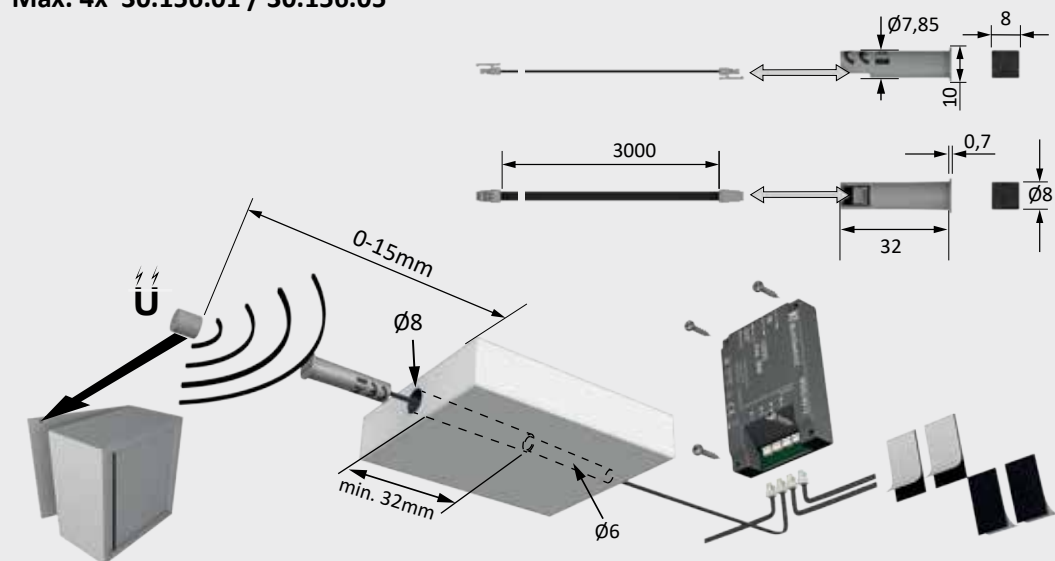


For use with:	LED lights
Max. switching power:	12 Volt DC-36 W 24 Volt DC-120 W 230 V AC - 500 W
Test marks and symbols:	CE, RoHS, REACH
Switching distance:	see drawing
Sensor lead:	3000 mm
Master unit	
Supply lead:	HV 3000 mm LV 2000 mm HV 150 mm LV 300 mm
Switching lead:	<0.5 W
Standby:	Master unit sensors included

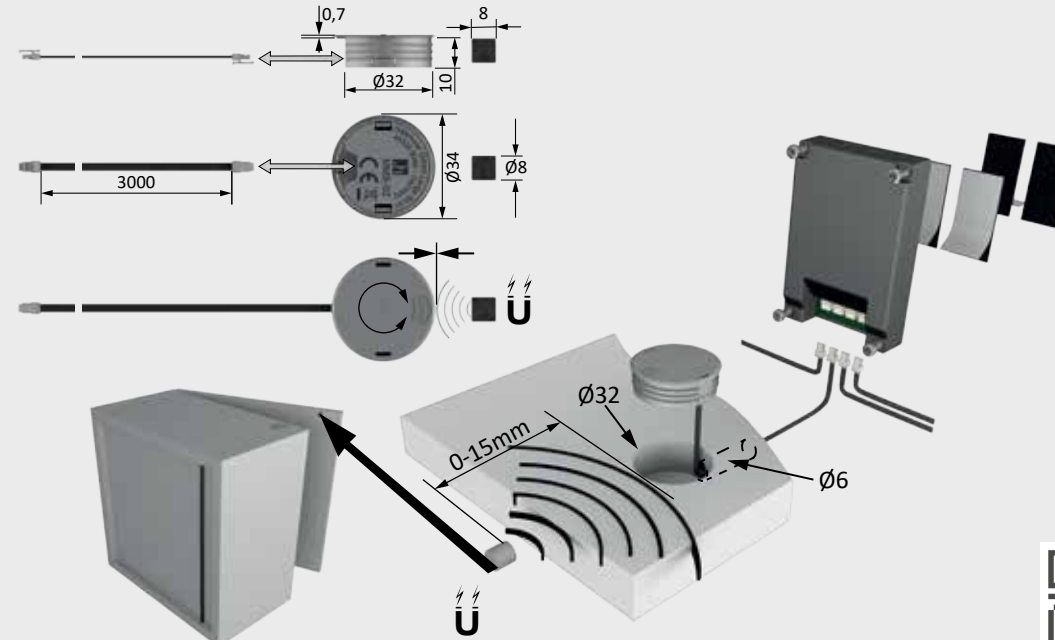
Dimensional drawing / installation



Max. 4x 30.156.01 / 30.156.05



Max. 4x 31.155.01





MultiSwitch² PIR

Advantages

- Motion sensor for surface mounting
- Responds to heat and movement
- Connection of 1 up to 4 identical sensors to a Master unit

Features

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

Examples of use

- Ideal for walk-in wardrobes without fronts
- Problem-solver for furniture where no magnetic or IR sensor can be used

Order information

- For further sensors see other pages

MultiSwitch PIR (motion sensor)

PIR sensor for surface mounting (motion sensor)	30 152 01
Screw-on PIR sensor (motion sensor, black)	30 152 05
Master unit 230 Volt AC-500 W with Euro flat plug	30 141 01
Master unit 12 Volt DC-36 W*	30 142 01
Master unit MultiWhite 12 Volt DC-36 W**	30 144 01
Master unit 24 Volt DC-20 W*	30 143 01

Accessories

Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08
Extension lead sensor cable 3000 mm***	36 830 01

* Only for use with dimmable LED luminaires
** Can be used behind MultiWhite controls
*** Maximum one per sensor

Technical details

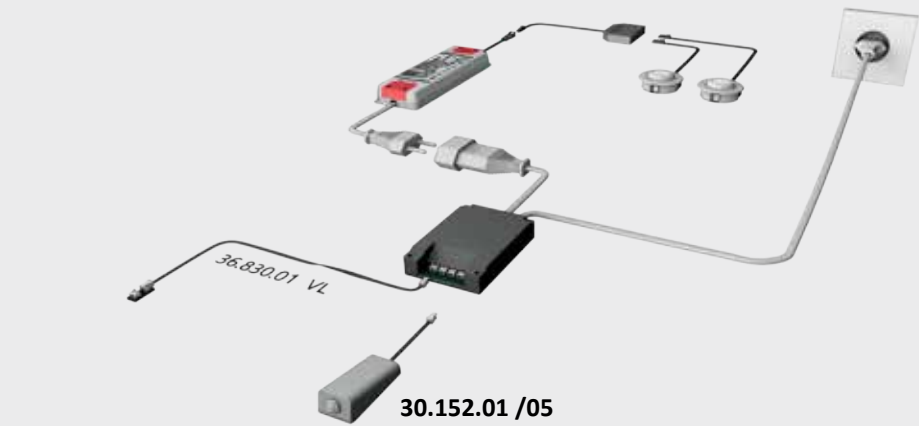


For use with: LED lights
Max. switching power: 12 Volt DC-36 W
24 Volt DC-120 W
230 V AC - max. 500 W

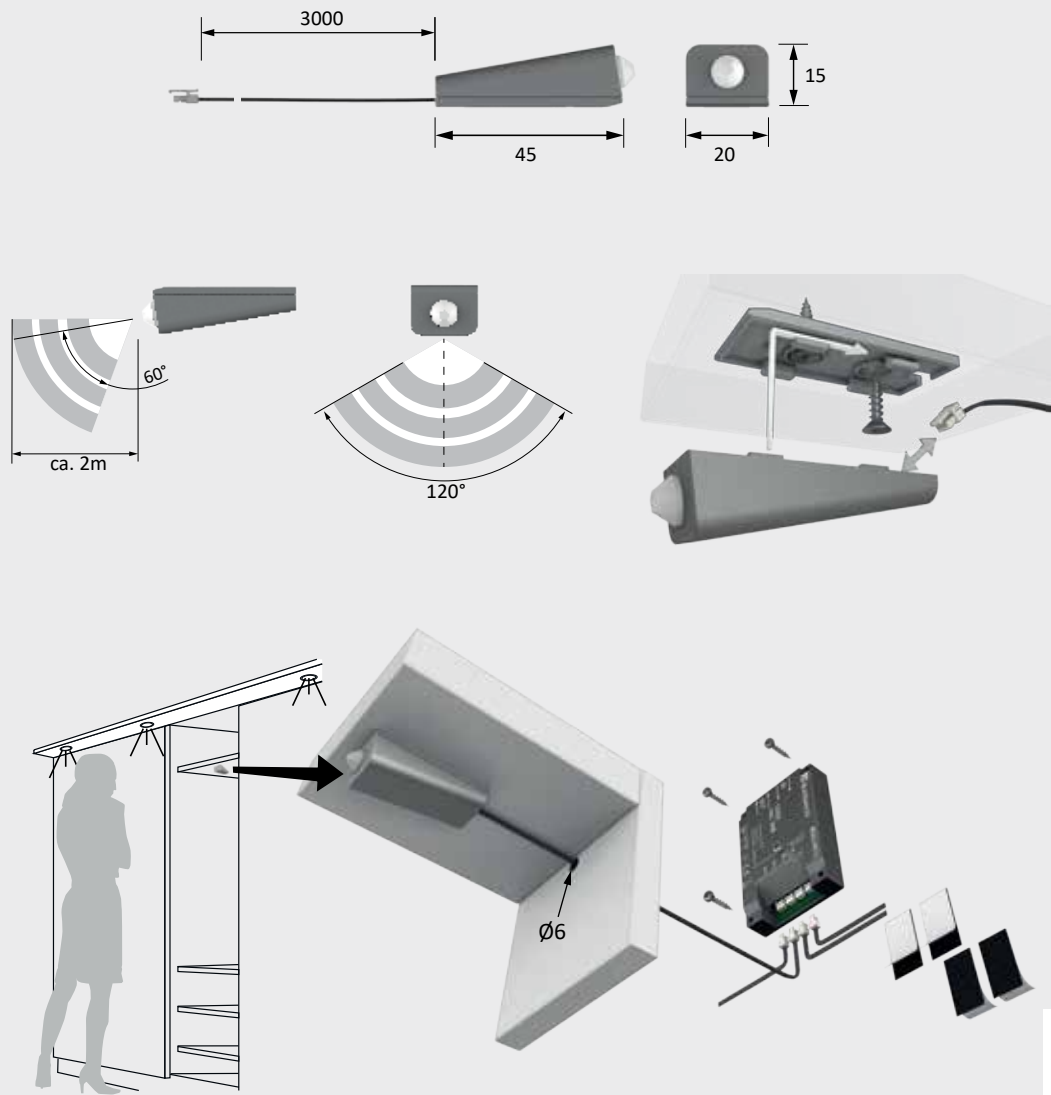
Test marks and symbols: CE, ENEC, TÜV

Motion sensor
Sensing angle: 120°
Range: 2 m
Stay-'ON' time: 30 seconds
Sensor lead: 3000 mm
Master unit
Supply lead: HV 3000 mm
LV 2000 mm
Switching lead: HV 150 mm
LV 300 mm
Standby: <0.5 W - Master unit sensors included

Dimensional drawing / installation



Max. 4x 30.152.01 / 30.152.05





MultiSwitch² push button

Advantages

- Push button with dimming function for drill-hole mounting
- Connection of 1 up to 4 identical sensors to a Master unit

Features

- Soft ON/OFF function (soft-start when power Switching on/off only with 12/24 Volt DC)
- Memory function for power failure
- Dimming function can be switched off

Examples of use

- As push button with and without dimming function
- As on/off switch as well as toggle switch

Order information

- For further sensors see other pages
- No dimming function with 230 V and MultiWhite

MultiSwitch push button

Push button for drill-hole mounting	30 153 01
Master unit 230 Volt AC-500 W with Euro flat plug	30 141 01
Master unit 12 Volt DC-36 W*	30 142 01
Master unit MultiWhite 12 Volt DC-36 W**	30 144 01
Master unit 24 Volt DC-120 W*	30 143 01

Accessories

Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08
Extension lead sensor cable 3000 mm***	36 830 01

* Only for use with dimmable LED luminaires

** Can be used behind MultiWhite controls

*** Maximum one per sensor

Technical details



For use with: LED lights
 Max. switching power: 12 Volt DC-36 W
 24 Volt DC-120 W
 230 Volt AC-500 W

Test marks and symbols: CE, RoHS, WEEE

Sensor lead: 3000 mm

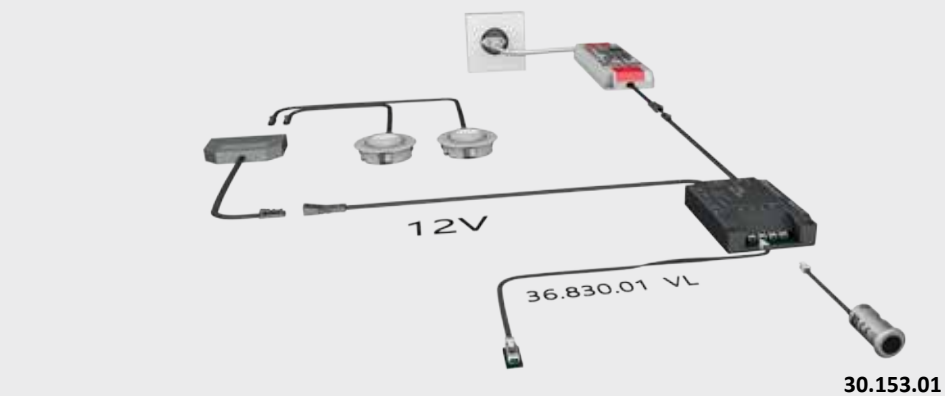
Master unit

Supply lead: HV 3000 mm
 LV 2000 mm
 HV 150 mm
 LV 300 mm

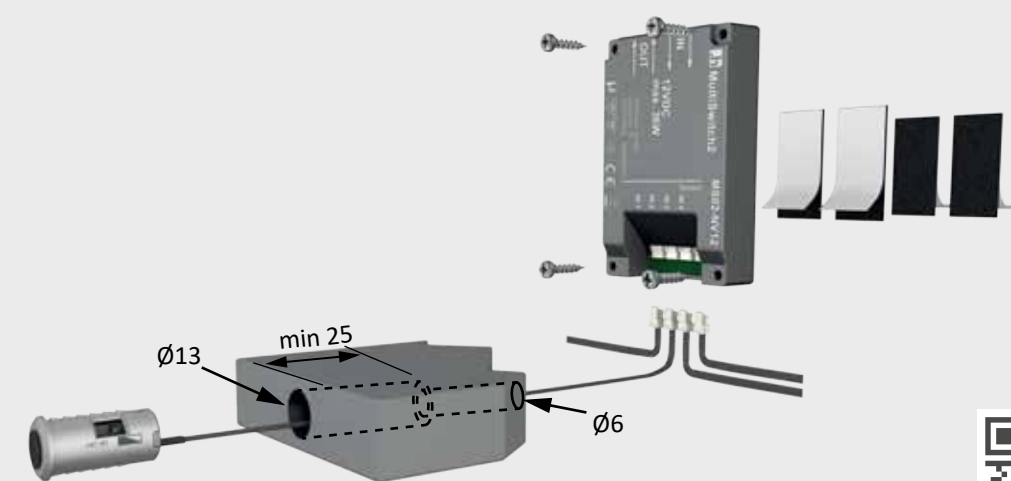
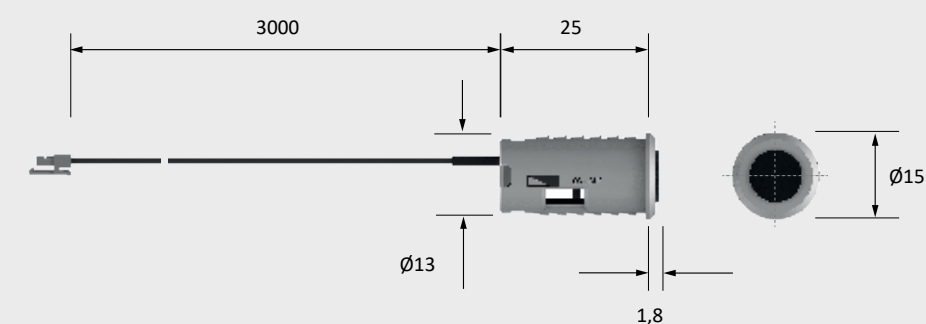
Switching lead:

Standby: <0.5 W
 Master unit
 sensors included

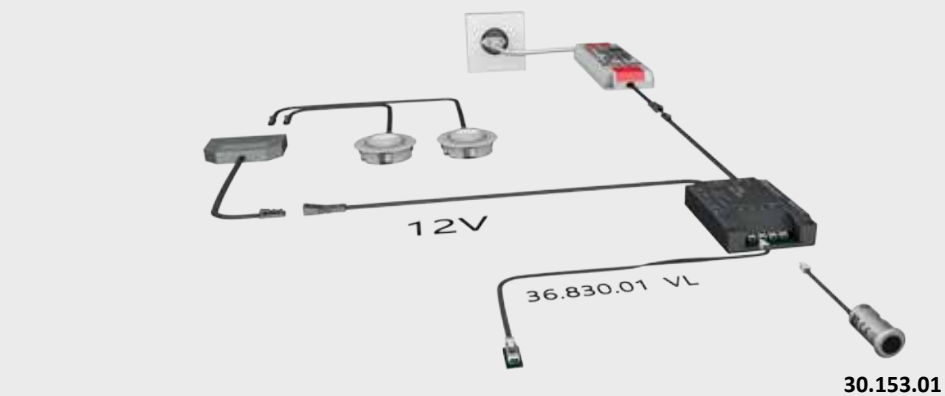
Dimensional drawing / installation



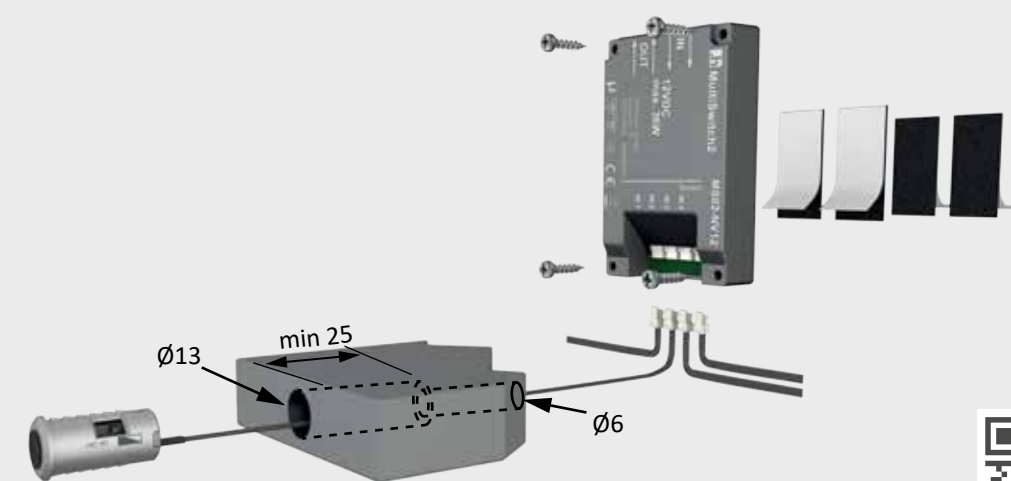
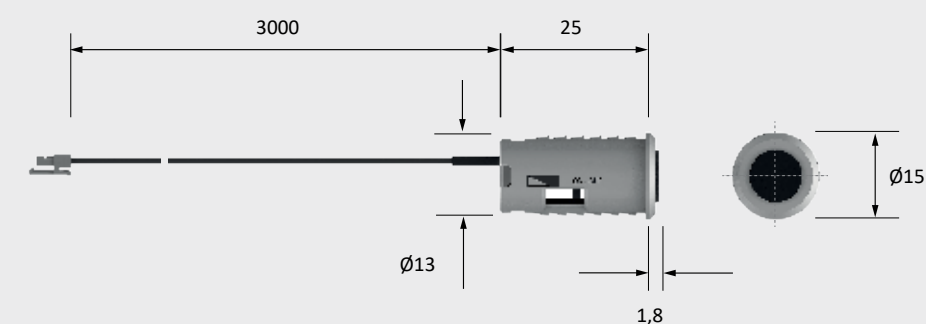
Max. 4x 30.153.01



Dimensional drawing / installation



Max. 4x 30.153.01





MultiSwitch² Touch

Advantages

- Sensor with dimming function for mounting or screwing
- Connection of 1 up to 4 identical sensors to a Master unit
- With built-in orientation LED

Features

- Soft ON/OFF function (soft-start when power Switching on/off only with 12/24 Volt DC)
- Memory function for power failure
- Dimming function can be switched off

Examples of use

- As touch button with dimming function
- As on/off switch as well as toggle switch

Order information

- For other sensors, see other pages
- As individual switch (see LED Touch)
- No dimming function with 230 V and MultiWhite

MultiSwitch Touch (sensor switch)

Sensor for installation including mounting housing	30 154 01
Master unit 230 Volt AC-500 W with Euro flat plug	30 141 01
Master unit 12 Volt DC-36 W*	30 142 01
Master unit MultiWhite 12 Volt DC-36 W**	30 144 01
Master unit 24 Volt DC-72 W*	30 143 01

Accessories

Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08
Extension lead sensor cable 3000 mm***	36 830 01

* Only for use with dimmable LED luminaires

** Can be used behind MultiWhite controls

*** Maximum one per sensor

Technical details



For use with: LED lights
 Max. switching power: 12 Volt DC-36 W
 24 Volt DC-120 W
 230 V AC - 500 W

Test marks and symbols: CE, RoHS, Energy Star

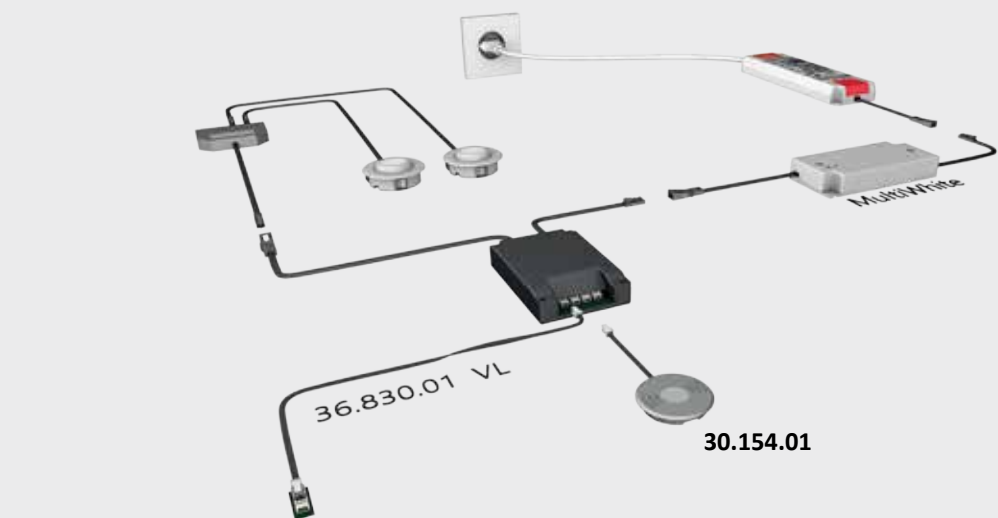
Sensor lead: 3000 mm

Master unit
 Supply lead: HV 3000 mm
 LV 2000 mm

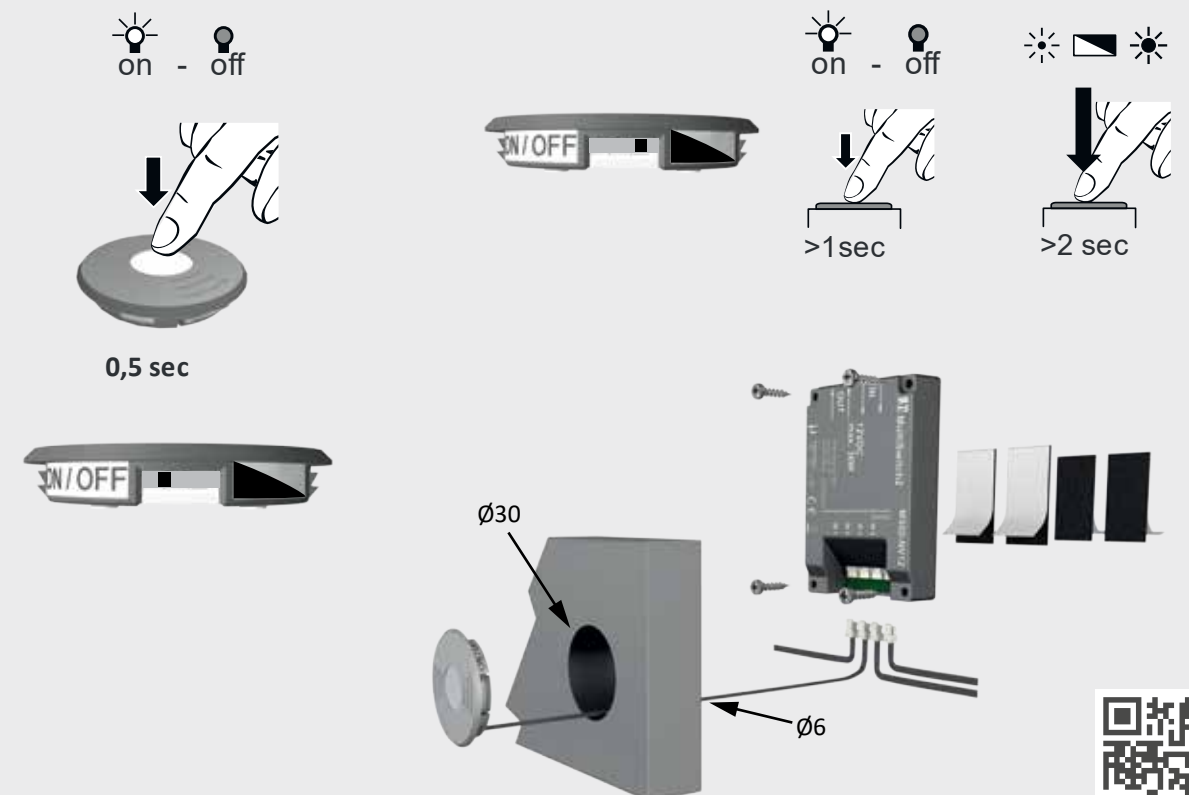
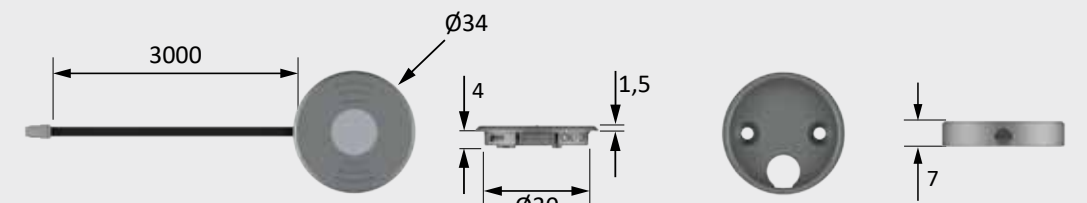
Switching lead: HV 150 mm
 LV 300 mm

Standby: <0.5 W
 Master unit
 sensors included

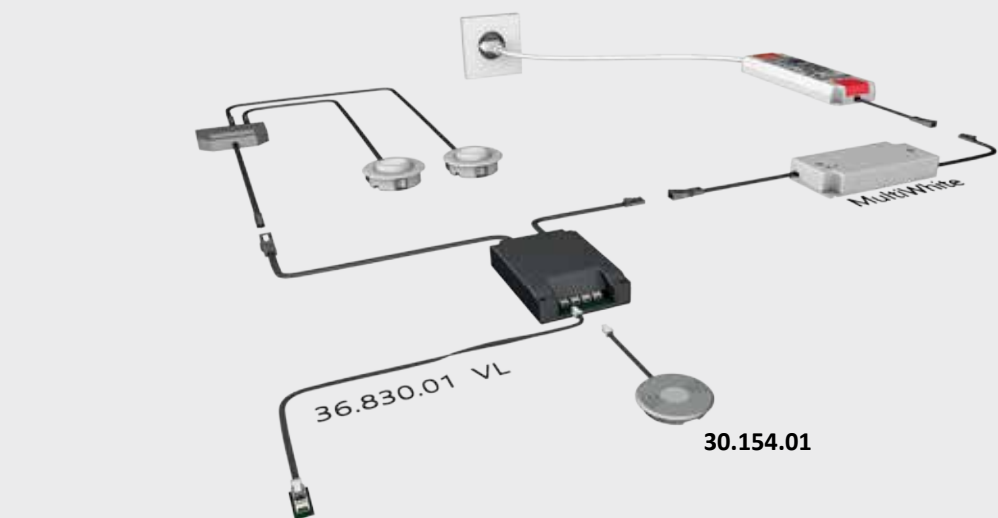
Dimensional drawing / installation



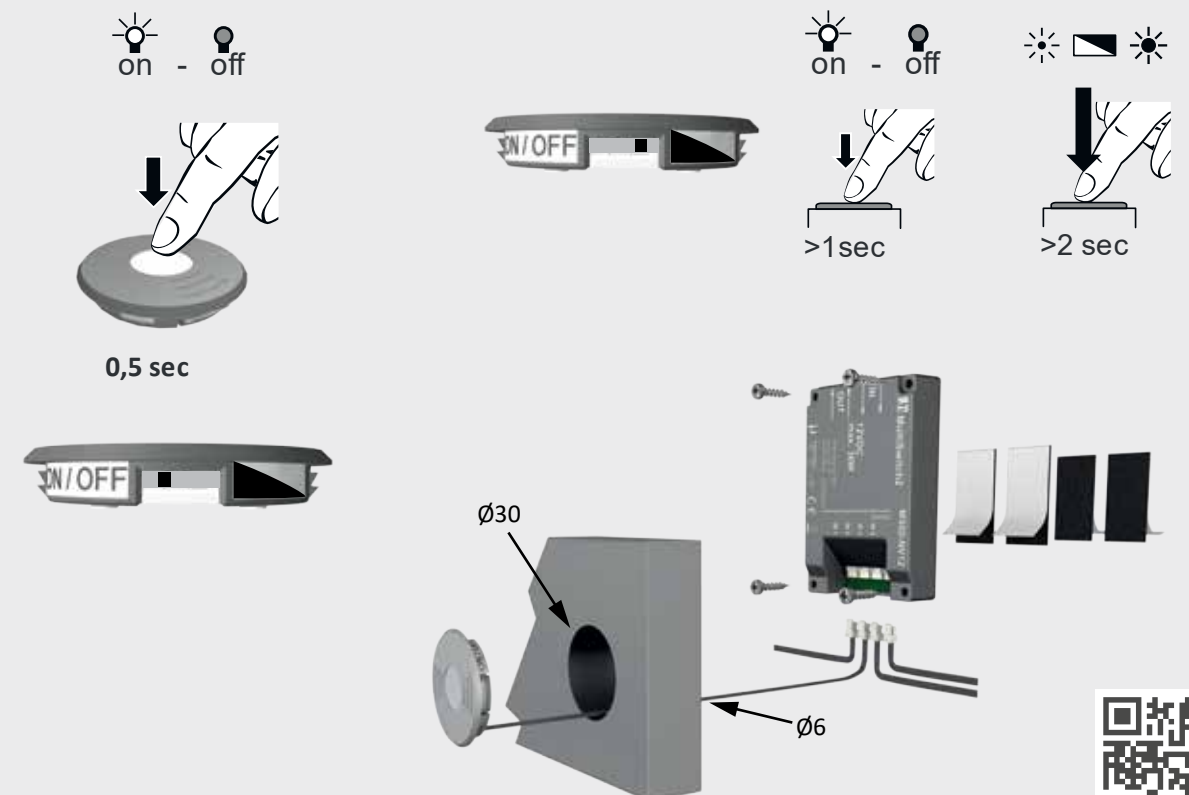
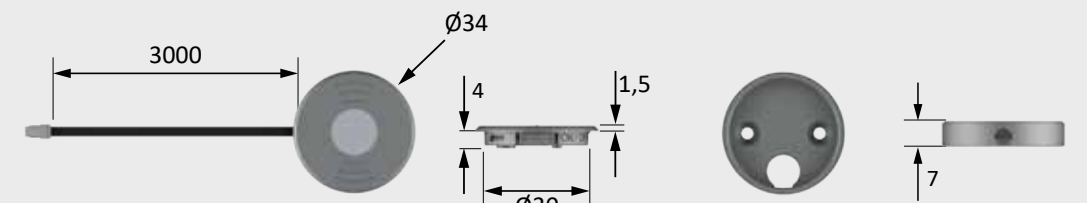
Max. 4x 30.154.01



Dimensional drawing / installation



Max. 4x 30.154.01





Repeater

- Advantages
- Inexpensive control of large outputs
 - Easy to install
 - Can be combined with many different remotes and dimmers
- Works with all Halemeier PWM dimmers
 - Works with MultiSwitch²
 - Not combinable with dimmable electronic ballast
 - Not combinable with Smart.home

- Features
- Any number of repeaters can be connected in parallel in order to achieve the desired overall performance . Each repeater requires a control signal from the dimmer/switch and sufficient ballast power to control the connected luminaires

Order information

Accessories*

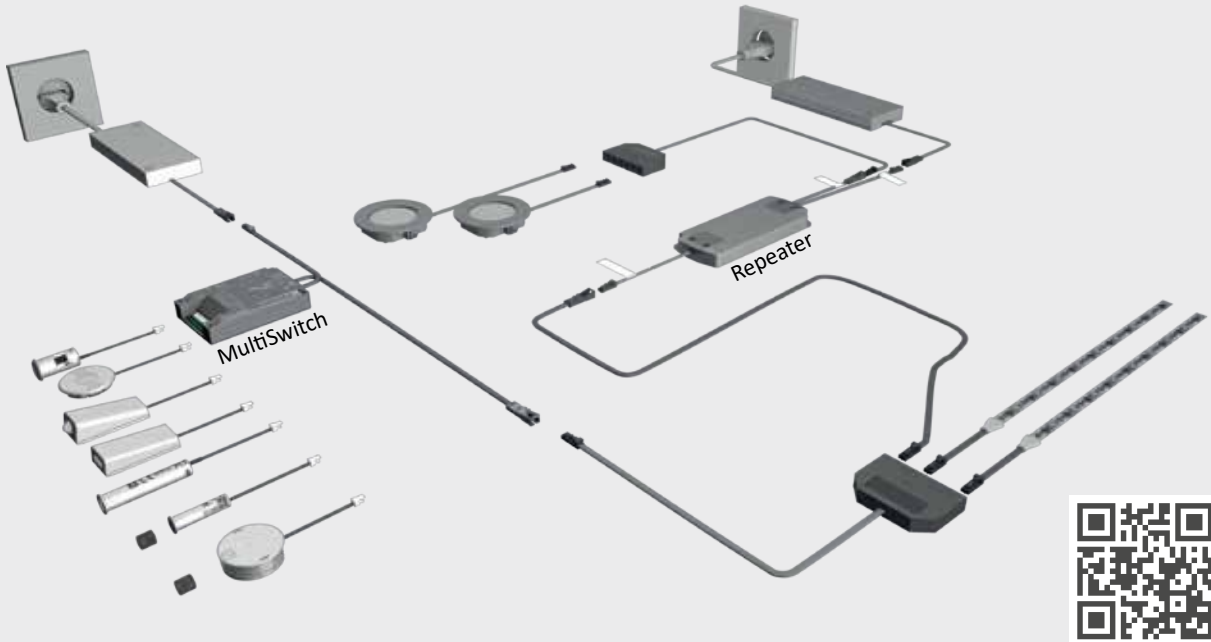
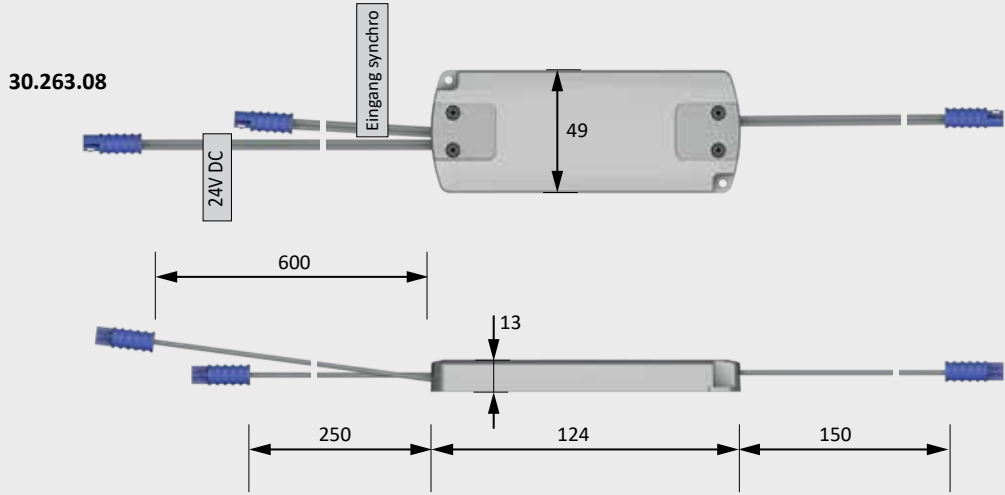
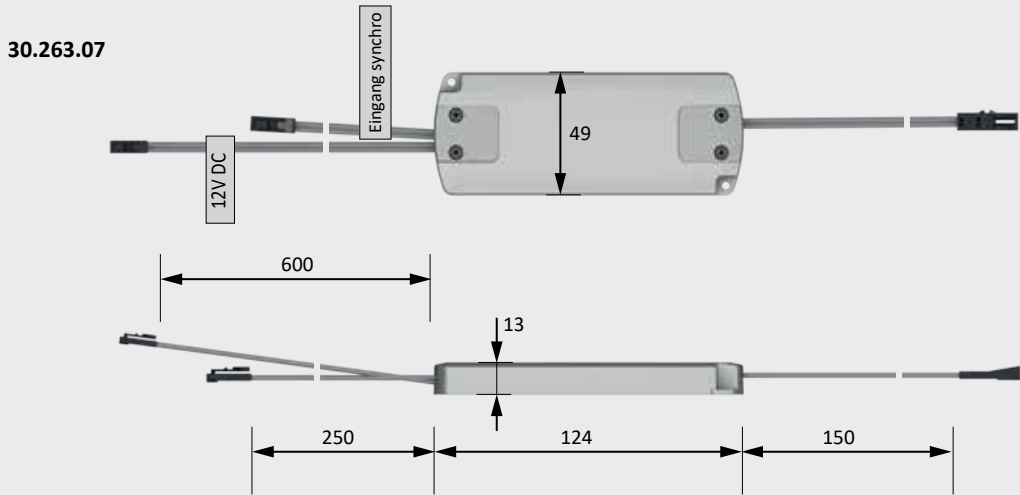
Repeater 12 Volt DC	30 263 07
Repeater 24 Volt DC	30 263 08

Technical details



For use with: LED lights
Max. switching power: 12 Volt DC-36 W
24 Volt DC-72 W
Test mark and symbols: CE, RoHS, Energy Star, etc.
Line lengths: see drawing

Dimensional drawing / installation



* Further accessories in section Switch systems/Ballasts and leads



Magnet insert switch

Advantages

- Sensor for insertion
- Invisible installation possible
- Penetrates up to 15 mm material

Features

- Soft ON/OFF function (soft-start when power Switch on/off)
- Memory function for power failure
- Proximity switch with reed principle
- Fits in cup hole

Examples of use





- Door contact switch
- Can be used behind edges

Order information

- Magnet included in delivery

Technical details



For use with: LED lights
Max. switching power: 12 Volt DC-36 W
Test marks and symbols:    
Switching distance: 0 - 15 mm
Supply lead: 1800 mm
Switching lead: 1800 mm
Standby: <0.04 W

Magnet insert switch

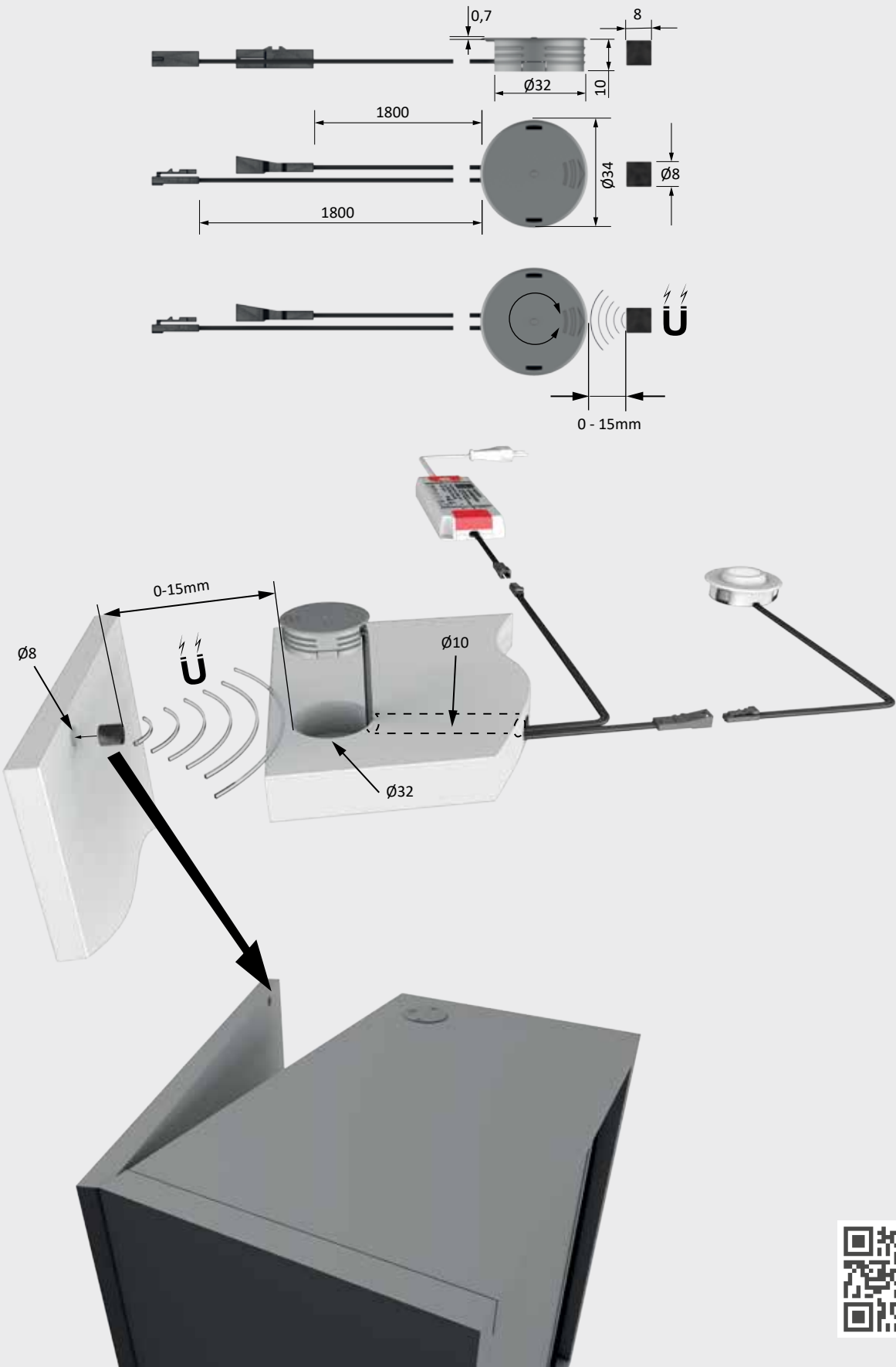
Magnet insert switch	30 157 01
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Accessories*

Repeater 12 Volt DC	30 263 07
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* Further accessories in section Switch systems/Ballasts and leads

Dimensional drawing / installation





MagicSwitch

- Advantages
- Invisible switch for diverse Applications
- Features
- Mounted on the back of the panel or incorporated in a 35 mm blind hole, the MagicSwitch detects the surface contact on the front of the plate and switches
 - The MagicSwitch only works in conjunction with non-metallic surfaces and materials such as wood, glass, ceramics up to a material thickness of 19 mm
- Examples of use
- Switching of ballasts and furniture lighting

Technical details



For use with: Fluorescent lamps, LED lights, halogen lights

Surface finish: Black

Max. switching power: 230 Volt AC-250 W

Test marks and symbols:

Sensor lead: 1700 mm

Supply lead: 1900 mm

Switching lead: 120 mm

Standby: <0.5 W

MagicSwitch	
MagicSwitch 230 V	30 954 02
Accessories	
2-way distributor for flat Euro plug	36 326 01
Extension lead for sensor - 2.5 mm jack - 2000 mm	18 238 03

MagicSwitch Linear

- Advantages
- Invisible switch for a wide range of applications
- Examples of use
- Switching furniture lights on and off
- Features
- Mounted on the back of the plate, the MagicSwitch detects the surface contact on the front of the plate and switches
 - The MagicSwitch only works in conjunction with non-metallic surfaces and materials such as wood, glass, ceramics up to a material thickness of 25 mm
- Order information
- For more than 36 W controlled light output, a repeater can be used for synchronization
 - 6-way distributor is included in the scope of delivery

Technical details



For use with: LED lights

Surface finish: Black

Max. switching power: 12 Volt DC-36 W

Test marks and symbols:

Supply lead: 1800 m

Switching lead: 1800 mm to light

Standby: <0.02 W

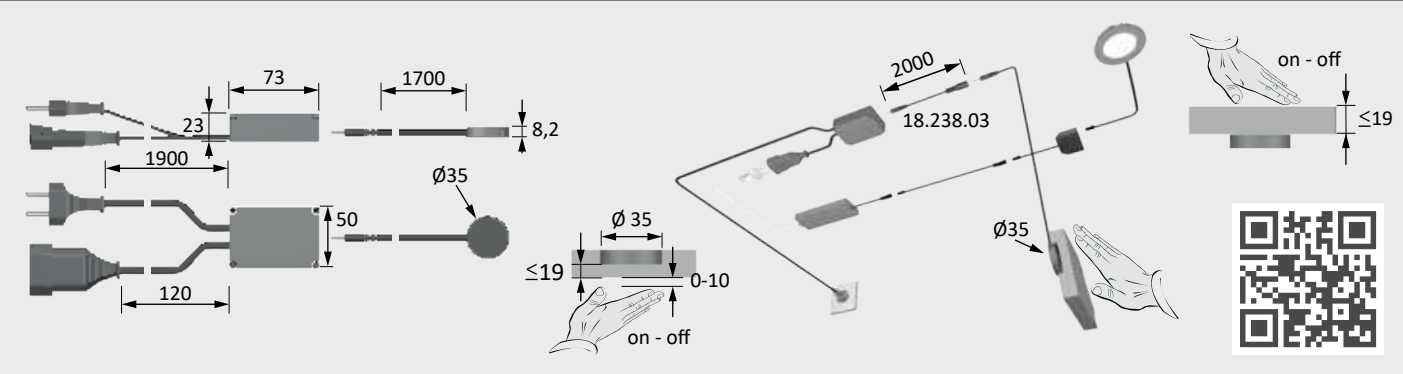
Plug connector IN: LED mini

Plug connector OUT: M1

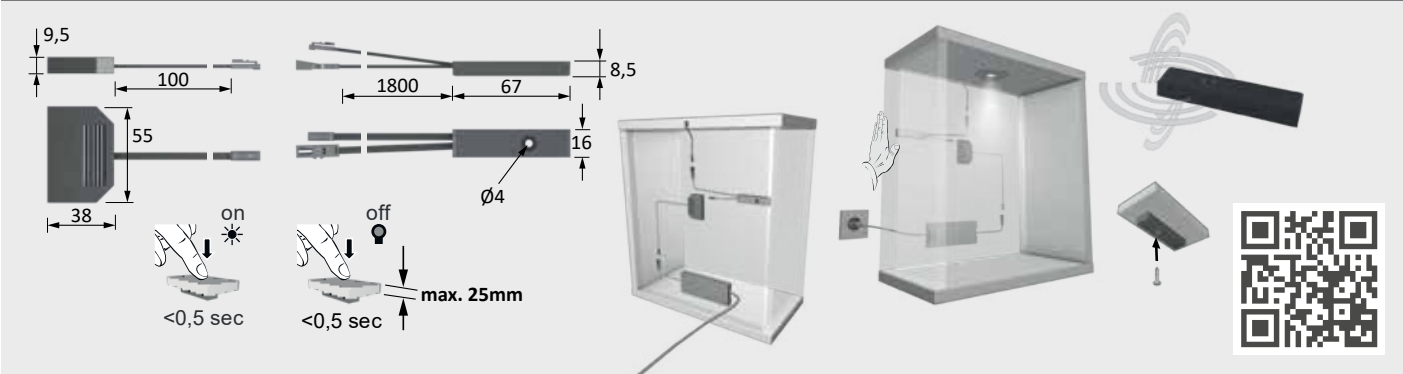
MagicSwitch Linear	
MagicSwitch Linear	30 789 02
Accessories	
Repeater 12 Volt DC*	30 263 07

* A repeater enables the control of a lighting circuit of more than 36 W at 12 volts DC.

Dimensional drawing / installation






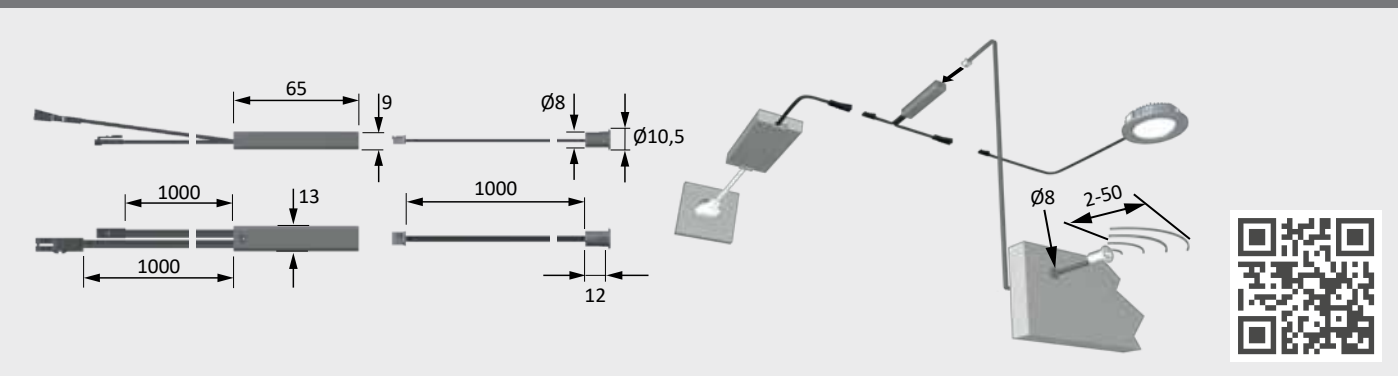
Dimensional drawing / installation



* A repeater enables the control of a lighting circuit of more than 36 W at 12 volts DC.



For use with:	LED lights
Surface finish:	Aluminium look
Max. switching power:	12 Volt DC-36 W
Test marks and symbols:	CE   
Switching distance:	see drawing
Sensor lead:	1000 mm
Supply lead:	1000 mm
Switching lead:	1000 mm
Standby:	<0.1 W

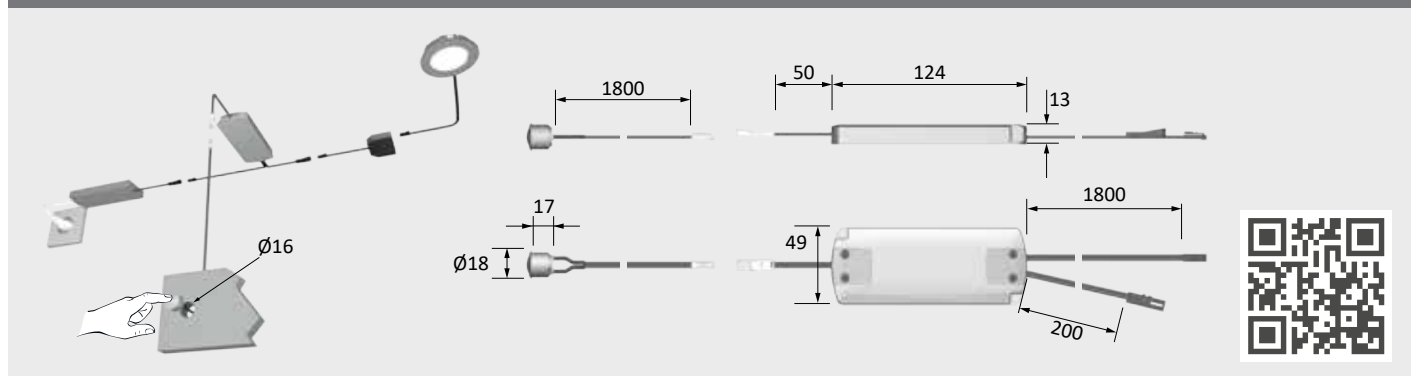


LED dimmer/switch	
Dimmer	30 538 01
Accessories	
Repeater 12 Volt DC*	30 263 07

* A repeater enables the control of a lighting circuit of more than 36 W at 12 volts DC.



For use with:	LED lights
Surface finish:	Stainless steel
Max. switching power:	12 Volt DC-36 W
Test mark and symbols:	CE    
Line lengths:	see drawing
Standby:	<0.5 W
Plug connector:	LED mini M1 plug connector





LED Touch

- Advantages

 - Sensor with dimming function for installation or screwing on
 - With built-in orientation LED that can be switched off
- Features

 - Memory function for power failure
 - Not for combination with upstream dimmer
 - Dimming function can be switched off
- Examples of use

 - Switching and dimming of furniture lights
 - As on/off switch
- Order information

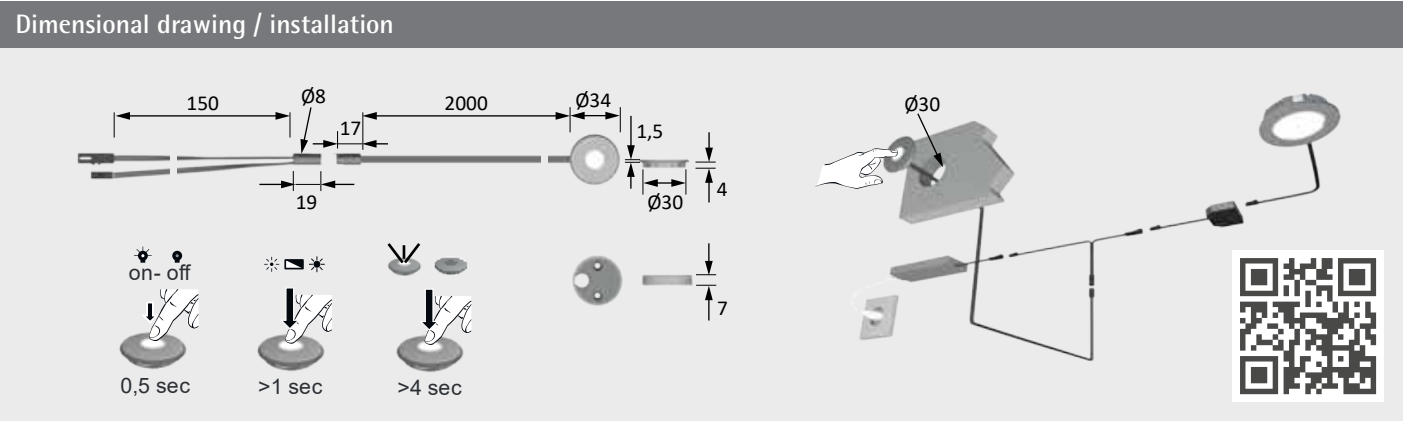
 - Also available as changeover switch, see MultiSwitch² Touch



For use with: LED lights
Surface finish: Aluminium look
Max. switching power: 12 Volt DC-36 W
Test marks and symbols: CE, RoHS, WEEE
Sensor lead: 2000 mm
Supply lead: 150 mm
Switching lead: 150 mm
Standby: <0.5 W

LED Touch (sensor switch/dimmer)		
LED Touch dimmer including add-on housing		30 178 01
Accessories		
Repeater 12 Volt DC*		30 263 07

* A repeater enables the control of a lighting circuit of more than 36 W at 12 volts DC.



LED motion sensor

- Advantages

 - Motion sensor for drilling into place
 - Responds to heat and movement
- Features

 - As on/off switch
 - Not compatible with dimmers
- Examples of use

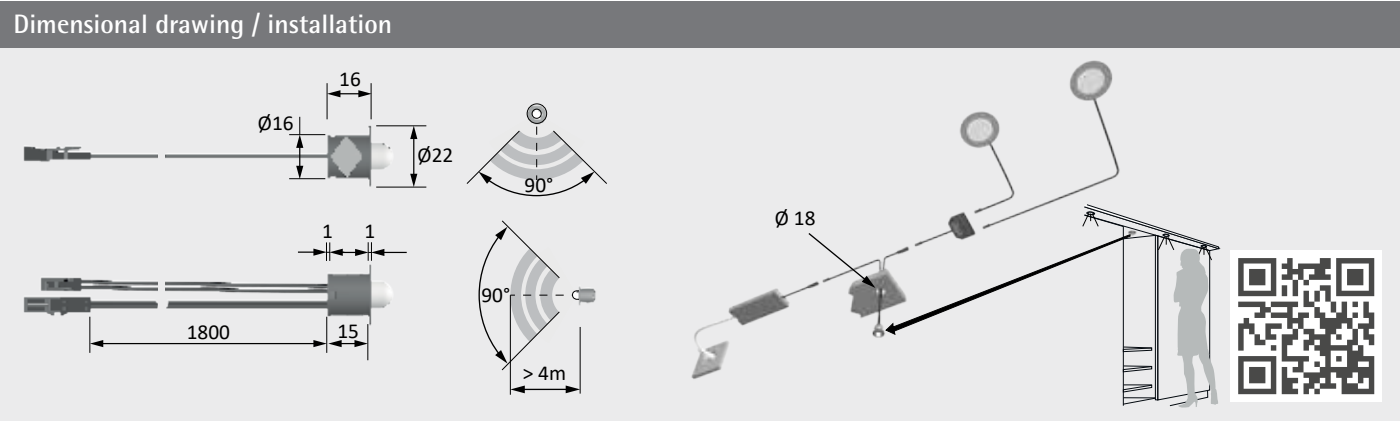
 - As motion sensor (PIR sensor)
- Order information

 - Only for use with dimmable LED luminaires



LED motion sensor		
LED motion sensor		30 784 01
Accessories		
Repeater 12 Volt DC*		30 263 07

* A repeater enables the control of a lighting circuit of more than 36 W at 12 volts DC.





Dimming module 1-10 V / Dali

- Advantages

 - Enables the connection to home automation
 - Can be used with all PWM dimmable magic luminaires
- Examples of use

 - furniture lighting
- Features

 - For use with 1-10 Volt or Dali control systems
 - Interface to bus/house installation

Dimmer module		
1-10 Volt - 12 Volt DC		30 580 02
1-10 Volt - 24 Volt DC		30 580 01
Dali - 12 Volt DC		31 041 01
Dali - 24 Volt DC		31 041 02
Accessories		
Repeater 12 Volt DC		30 263 07
Repeater 24 Volt DC		30 263 08

Technical details

For use with: LED lights

Max. switching power: 12 Volt DC-36 W
24 Volt DC-150 W

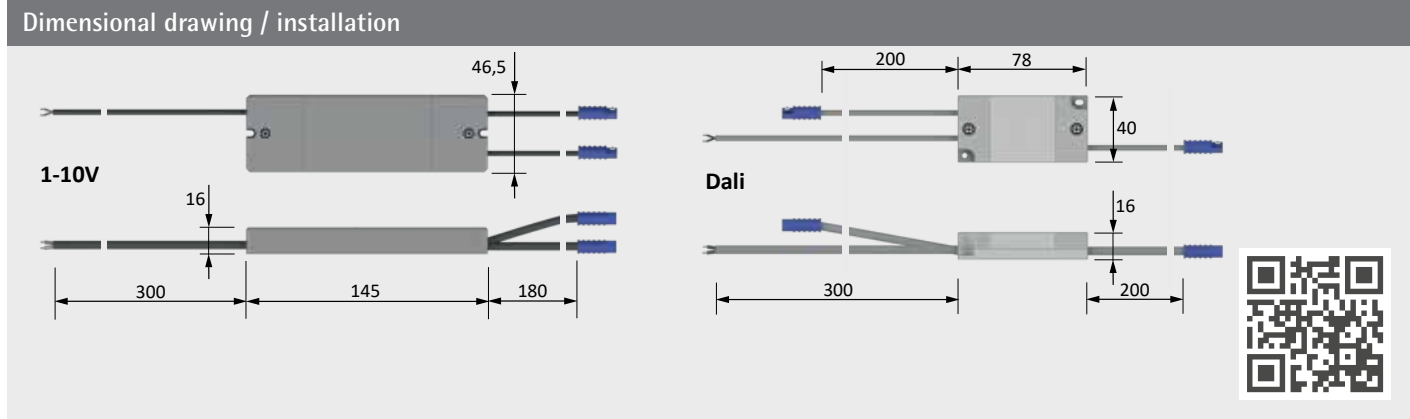
Test mark and symbols: CE, RoHS, Energy Star

Supply lead: 180 mm

Control lead: 180 mm

Standby: <0.5 W

Plug connector: LED mini plug connector M1/MP2



Dimmer angle element

- Advantages

 - Easy to assemble
 - Easy to retrofit
- Examples of use

 - Switching and dimming of furniture lights
- Order information

 - LED ballasts and LED luminaires must be ordered separately
- Features

 - Memory function for power failure
 - For surface mounting

Dimmer angle element	
Dimmer	30 575 01
Accessories	
Repeater 12 Volt DC	30 263 07

Technical details

For use with: LED lights

Max. switching power: 12 Volt DC-36 W

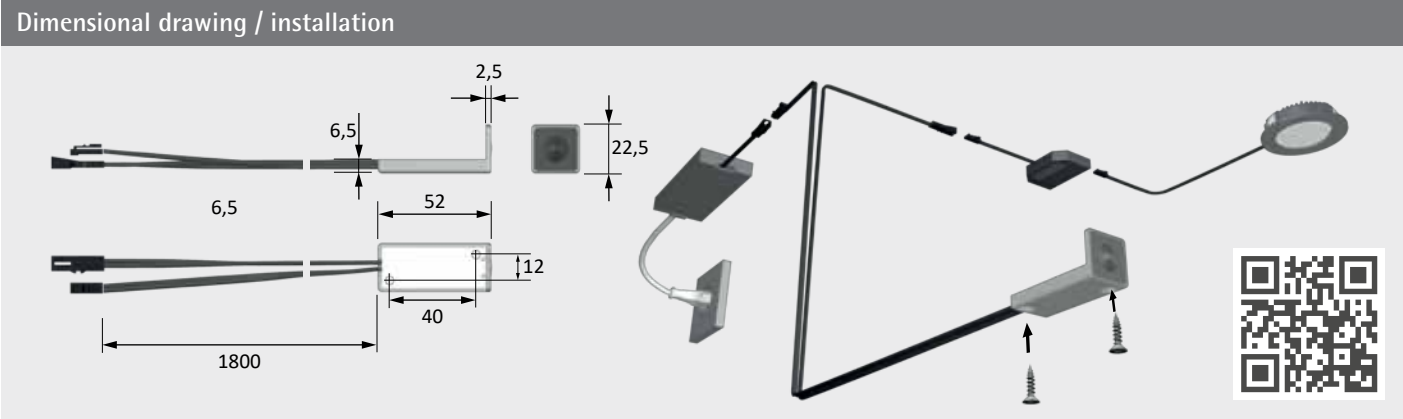
Test mark and symbols: CE, RoHS, Energy Star

Supply lead: 1800 mm

Control lead: 1800 mm

Standby: <0.5 W

Plug connector: LED mini M1 plug connector





Mains-voltage rocker switch

- Advantages

 - Very easy handling
 - A miniature version
 - A barrier-free version
- Order information

 - Application image shows Super Dot and rocker switch
 - A housing must always be ordered for the surface-mounted switch
- Examples of use

 - Switching of furniture lights
 - Switching ballasts

Mains-voltage rocker switch

Mini rocker switch black	36 218 01
Surface-mounted switch	36 241 01
Housing for surface-mounted switch, aluminium look	36 241 06
Housing for surface-mounted switch, stainless steel look	36 241 09

Technical details



For use with:

tronic ballasts

Surface finish:

Aluminium look/
Stainless steel

Max. switching capacity:

Test mark and symbols:

Line lengths:

Plug connector:

Luminaires and elec-

230 Volt AC-400 W

see drawing

200–240 V

Euro plug/connector

LED rocker switch

- Advantages

 - Very easy handling
- Examples of use

 - Switching of furniture lights

LED rocker switch

Mini rocker switch aluminium look - installation	36 974 81
Rocker switch black - Structure	36 320 02

Technical details



For use with:

Surface finish:

Max. switching capacity:

Test mark and symbols:

Plug connector:

LED luminaires

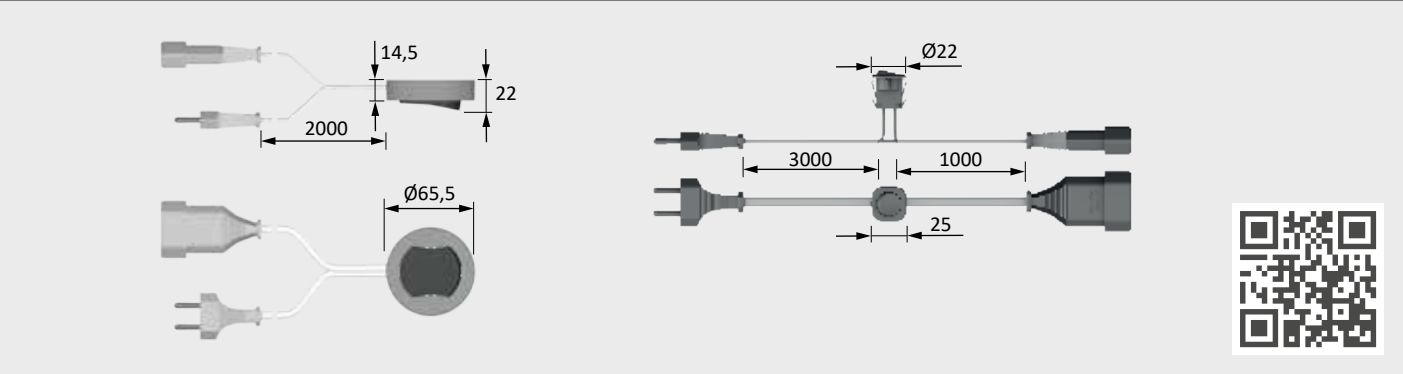
Black

12 Volt DC-36 W

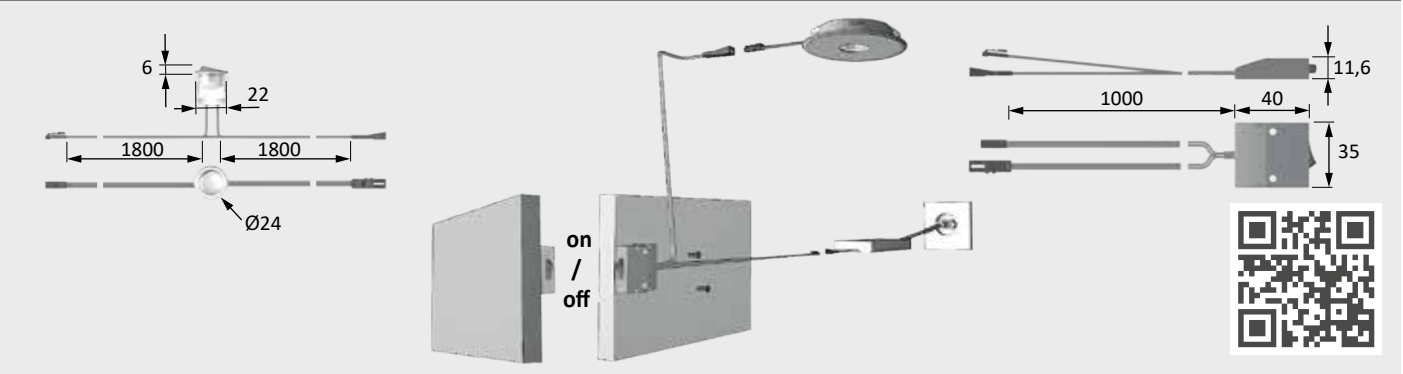
LED Mini

M1 plug-in system

Dimensional drawing / installation



Dimensional drawing / installation





Infrared Repeater Plus

Advantages

- Infrared range extender for furniture applications
- Devices such as DVD/Blu-ray players and receivers disappear inside furniture and can still be controlled

Features

- The infrared signal from a remote control unit is picked up by the receiver and transferred to the furniture

Examples of use

- Furniture for e.g. televisions, hi-fi systems and game consoles

Order information

- Set contains one receiver with stand or a drill-in receiver, a transmitter and a plug-in power supply
- The set can be extended by two additional transmitters

Infrared Repeater Plus

Infrared repeater set with stand	30 052 02
Infrared repeater set UP with drilling receiver	30 052 04
Additional transmitter	30 050 01

Accessories*

Extension additional transmitter 2.5mm jack - 2000 mm**	18 238 03
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* Further accessories in section Switch systems/Ballasts and leads

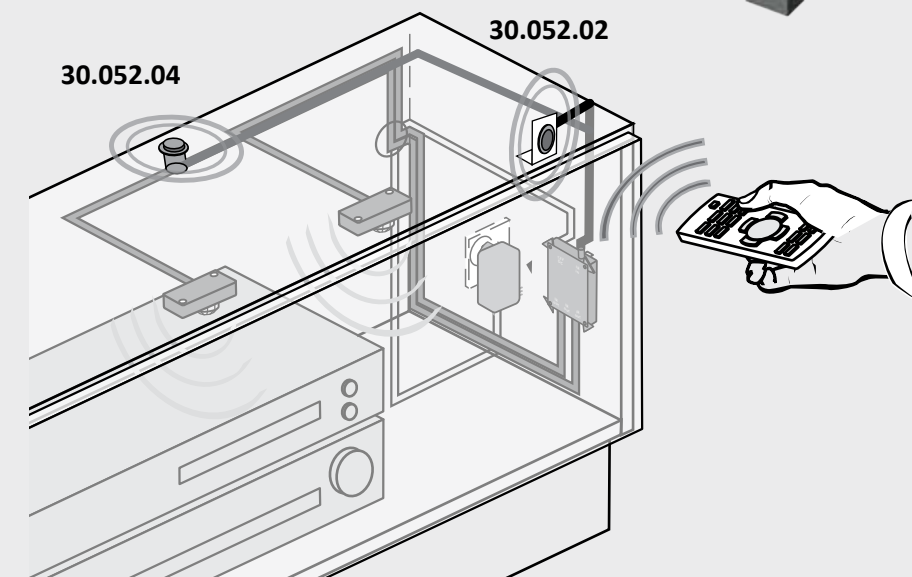
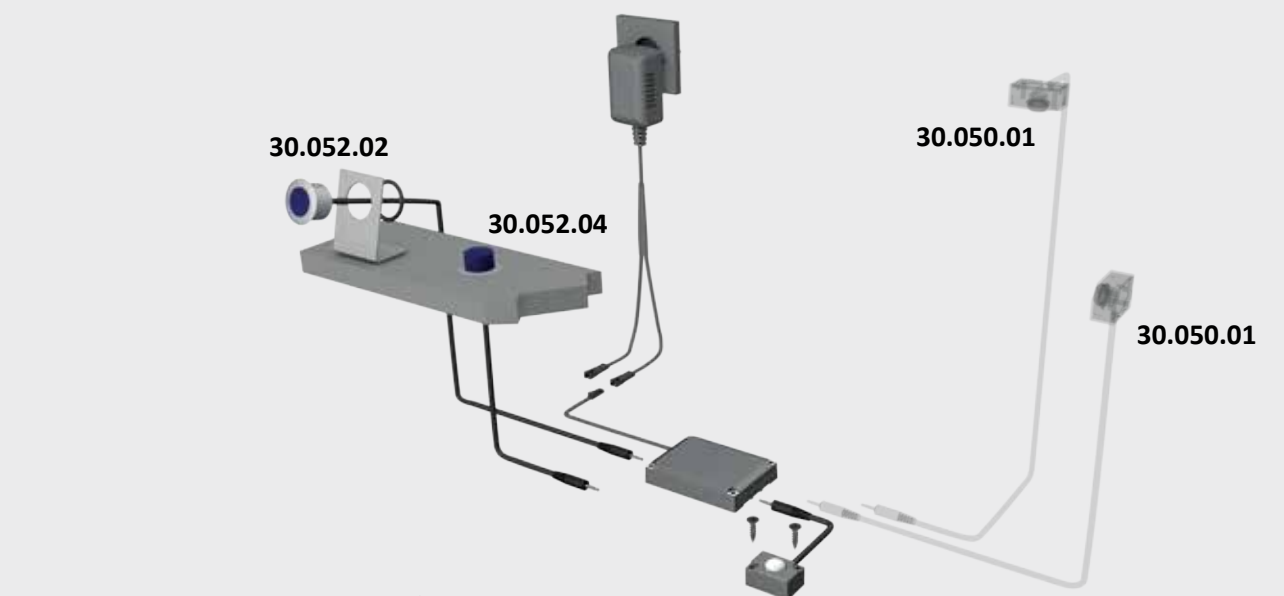
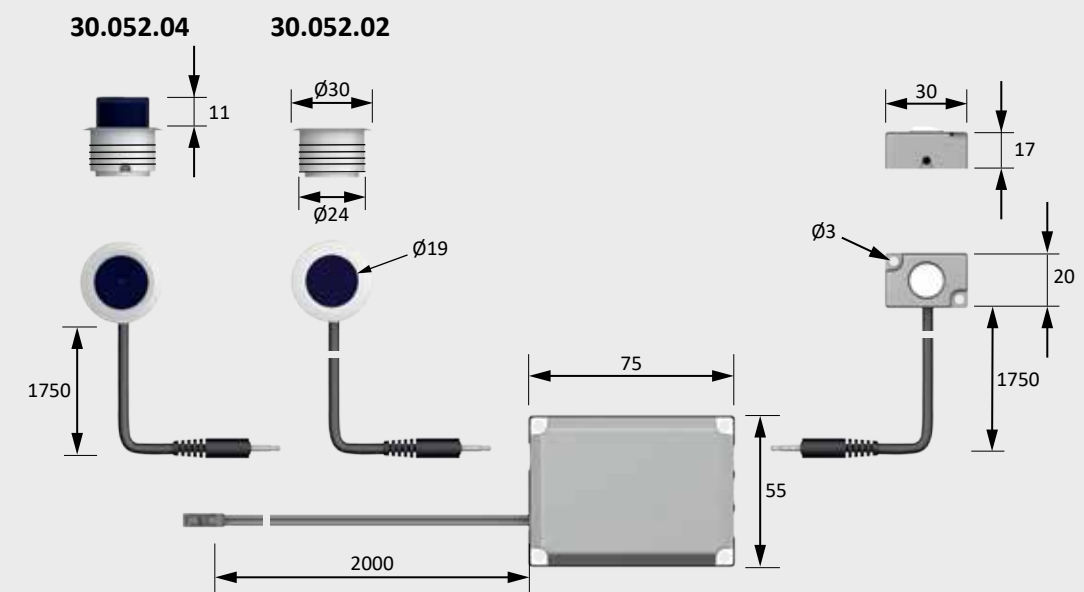
** One extension lead per transmitter possible

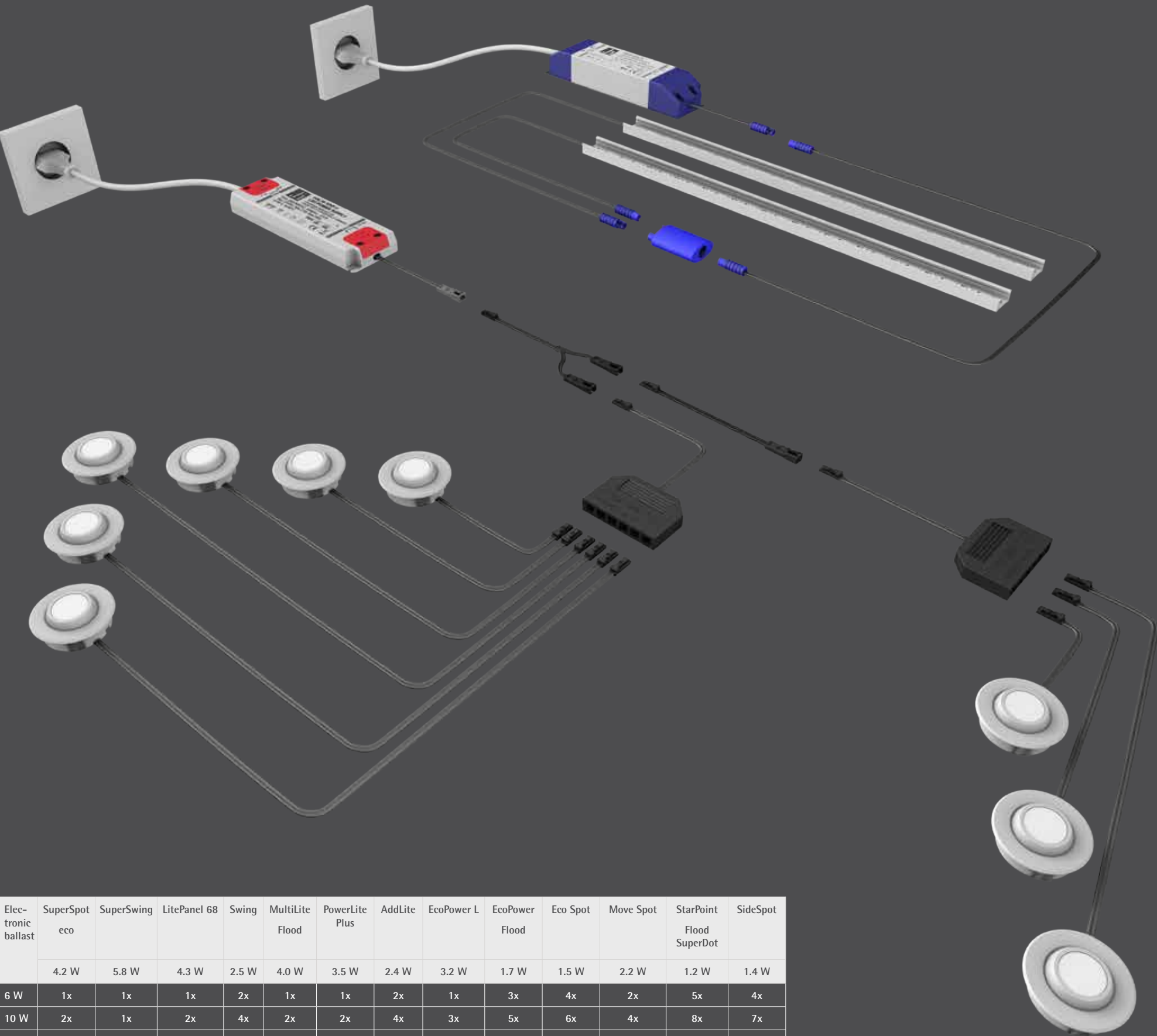
Technical details



Surface finish:	Aluminium look
IR transmitter/receiver:	2.5 mm jack
Test marks and symbols:	CE ENEC
Table lengths	
Ballast:	200 mm
Controller:	2000 mm
Recipient:	1750 mm
Transmitter:	1750 mm
Standby:	<0.5 W
IR frequency band:	20-60 Hz

Dimensional drawing / installation





Elec- tronic ballast	SuperSpot eco	SuperSwing	LitePanel 68	Swing	MultiLite Flood	PowerLite Plus	AddLite	EcoPower L	EcoPower Flood	Eco Spot	Move Spot	StarPoint Flood SuperDot	SideSpot
	4.2 W	5.8 W	4.3 W	2.5 W	4.0 W	3.5 W	2.4 W	3.2 W	1.7 W	1.5 W	2.2 W	1.2 W	1.4 W
6 W	1x	1x	1x	2x	1x	1x	2x	1x	3x	4x	2x	5x	4x
10 W	2x	1x	2x	4x	2x	2x	4x	3x	5x	6x	4x	8x	7x
15 W	3x	2x	3x	6x	3x	4x	6x	4x	8x	10x	6x	12x	10x
20 W	4x	3x	4x	8x	5x	5x	8x	6x	11x	13x	9x	16x	14x
30 W	7x	5x	7x	12x	7x	8x	12x	9x	17x	20x	13x	25x	21x
60 W	14x	10x	13x	24x	15x	17x	25x	18x	35x	33x	27x	41x	42x

Matching power sources

Plug-in systems for Plug & Play

On the following pages you will find the right power sources for your lighting. You will find here the distributors and extension leads for all luminaires and controls you need to realise even large systems. The easily distinguishable plug-in systems ensure Plug & Play and make a wrong combination impossible.

All Halemeier electronic ballasts, called ballast for short, have overload protection, temperature protection, short-circuit resistance and are explicitly designed for use with LED luminaires and for use in furniture.

Our ballasts are certified by external testing bodies such as TÜV for compliance with all current safety and product standards.



Ballast 12 Volt DC

Advantages

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

Examples of use






- For 12 V DC furniture lights

Order information

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



For use with:
Surface finish:
Operating voltage:

For use with:	LED lights
Surface finish:	white
Operating voltage:	100 V DC 240 V AC
Mains frequency:	50 Hz/60 Hz
Output voltage:	12 V DC
Test marks and symbols:	CE     
Plug connector	
Primary:	2000 mm with flat Euro plug
Plug connector:	LED Mini M1 plug connector

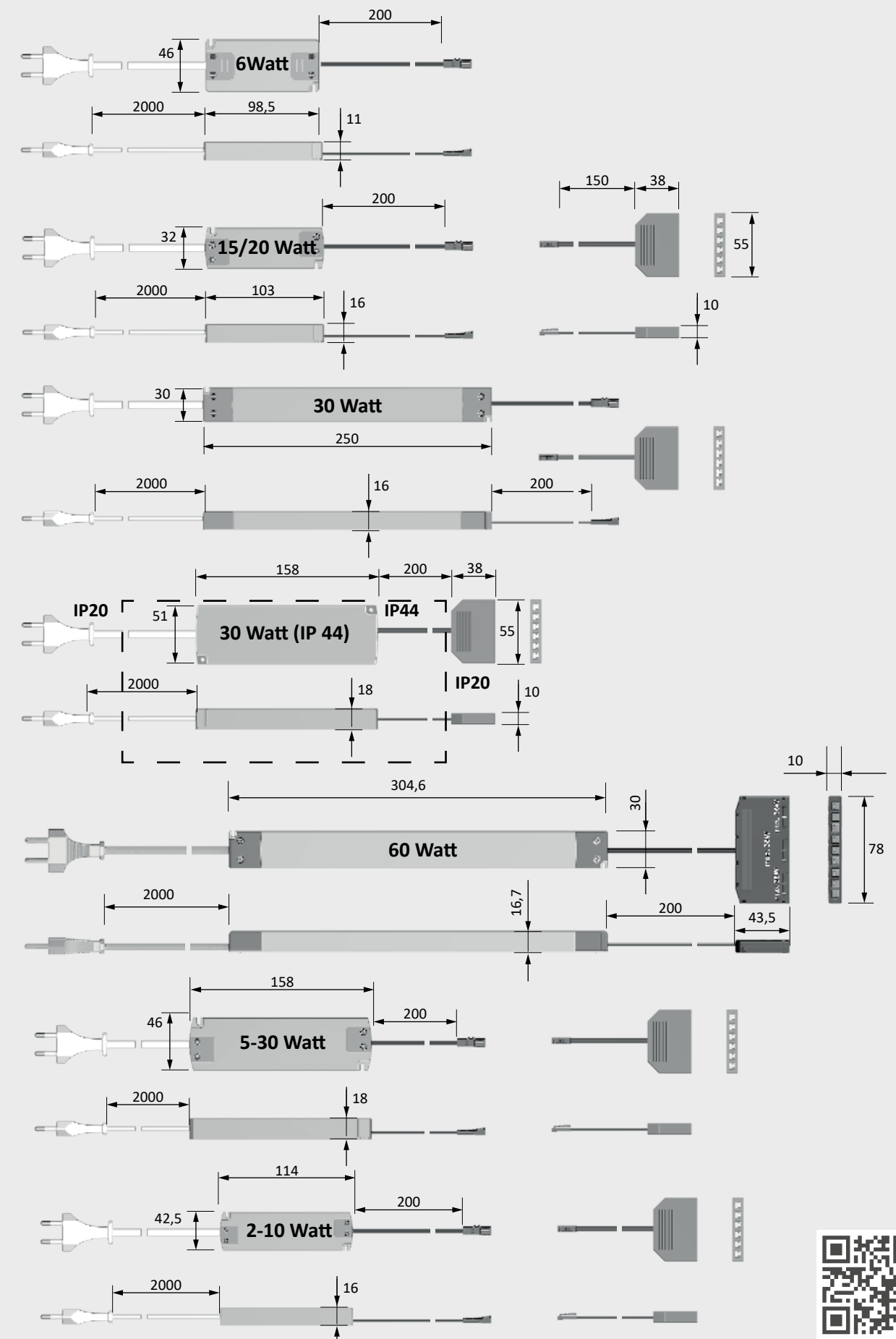
Ballast 12 Volt DC / 200 - 240 Volt AC*	
6 W (1-way)	30 226 02
15 W (1-way + 6-way distributor)	30 996 17
20 W (1-way + 6-way distributor)	31 016 01
30 W (1-way + 6-way distributor)	31 002 07
30 W/IP 44 (1-way + 6-way distributor)	31 018 01
60 W (9-way, secured)	31 025 01

Ballast 12 Volt DC / 220 - 240 Volt AC dimmable**

5 - 30 W (observe minimum load)	30 586 01
2 - 10 W (observe minimum load)	30 595 01

* With these ballasts, luminaires connected on the secondary side (12 Volt DC) can be switched on and off with our switching and dimming systems for 12 Volt DC can be controlled.

Dimensional drawing / installation





Plug in Ballast 12 Volt DC

- Advantages

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

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

 - ▶ For 12 V DC furniture lights

Technical details



For use with: LED lights
Surface finish: black
Operating voltage: 100-240 Volt AC
Mains frequency: 50-60 Hz
Output voltage: 12 V DC
Test marks and symbols:      
Plug connector: LED Mini
M1 plug connector

Wide range ballast 12 Volt DC

- Advantages







 - ▶ Short-circuit-proof
 - ▶ Overload-protected
 - ▶ Temperature-protected
 - ▶ Mains lead is pluggable
- Order information

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

 - ▶ For 12 V DC furniture lights
 - ▶ For export use

Technical details



For use with: LED lights
Surface finish: white
Operating voltage: 100 V AC
240 V AC
Mains frequency: 50 Hz/60 Hz
Output voltage: 12 V DC
Test marks and symbols:      
Plug connector see table
Primary: LED Mini
Plug connector: M1 plug connector

Plug in Ballast 12 Volt DC

6 W - 240 Volt AC	30 563 03
10 W - 110 - 240 Volt AC wide voltage incl. Euro, UK, Australia, USA adapter	30 529 01

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

30 W including 1800 mm Euro flat plug	30 115 01
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Accessories

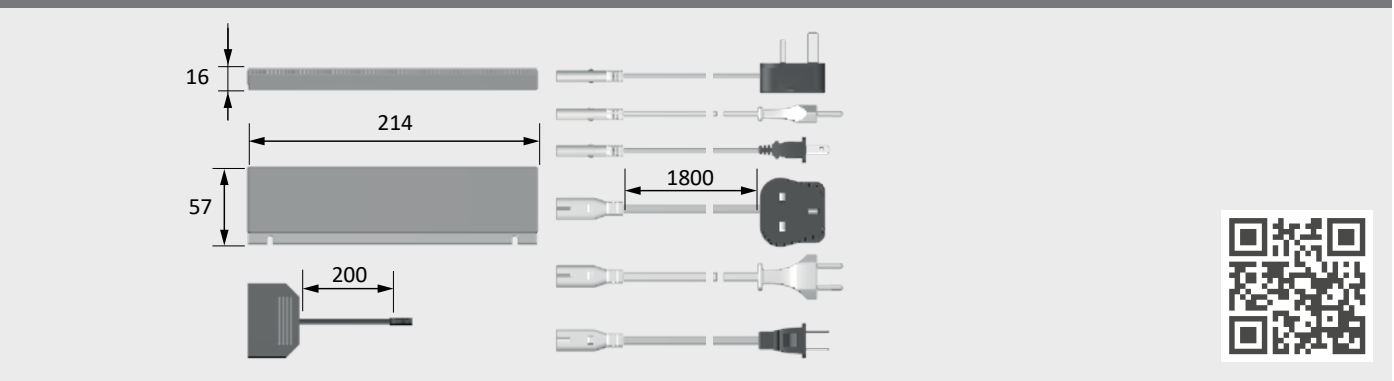
USA - Supply lead, 1800 mm	39 340 21
UK - Supply lead, 1800 mm	39 340 22
AUSTRALIA - Supply, 1800 mm	39 340 27

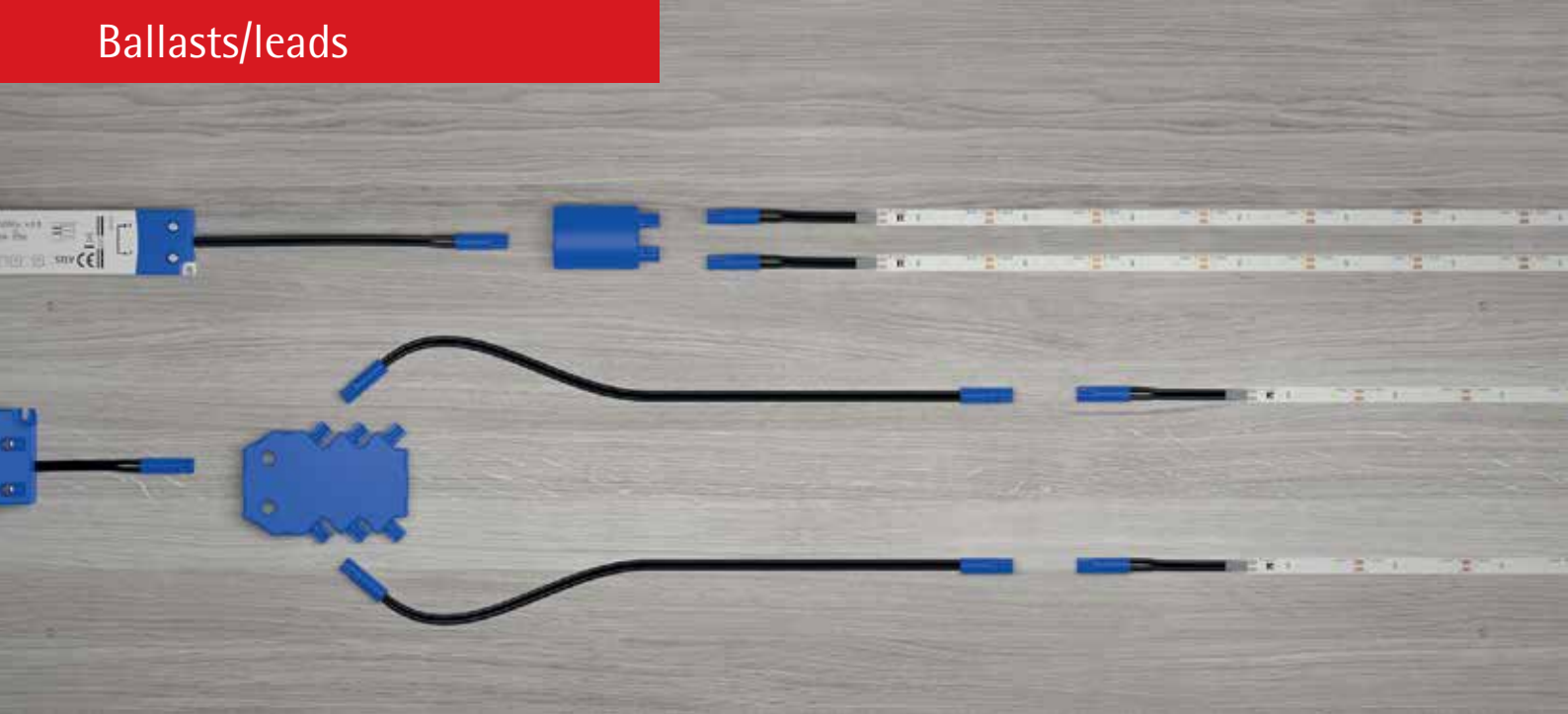
* With these electronic ballasts, luminaires connected on the secondary side (12 Volt DC) can be controlled with our switching and dimming systems for 12 Volt DC.

Dimensional drawing / installation



Dimensional drawing / installation





Ballast 24 Volt DC

- Advantages

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

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

 - ▶ For 24 V DC furniture lights

Ballast 24 Volt DC / 200 – 240 Volt AC*		
30 W		30 585 04
75 W		31 017 01
150 W		30 017 11

Ballast 24 Volt DC / 220 – 240 Volt AC dimmable**		
24 – 75 W (observe minimum load)		30 594 01

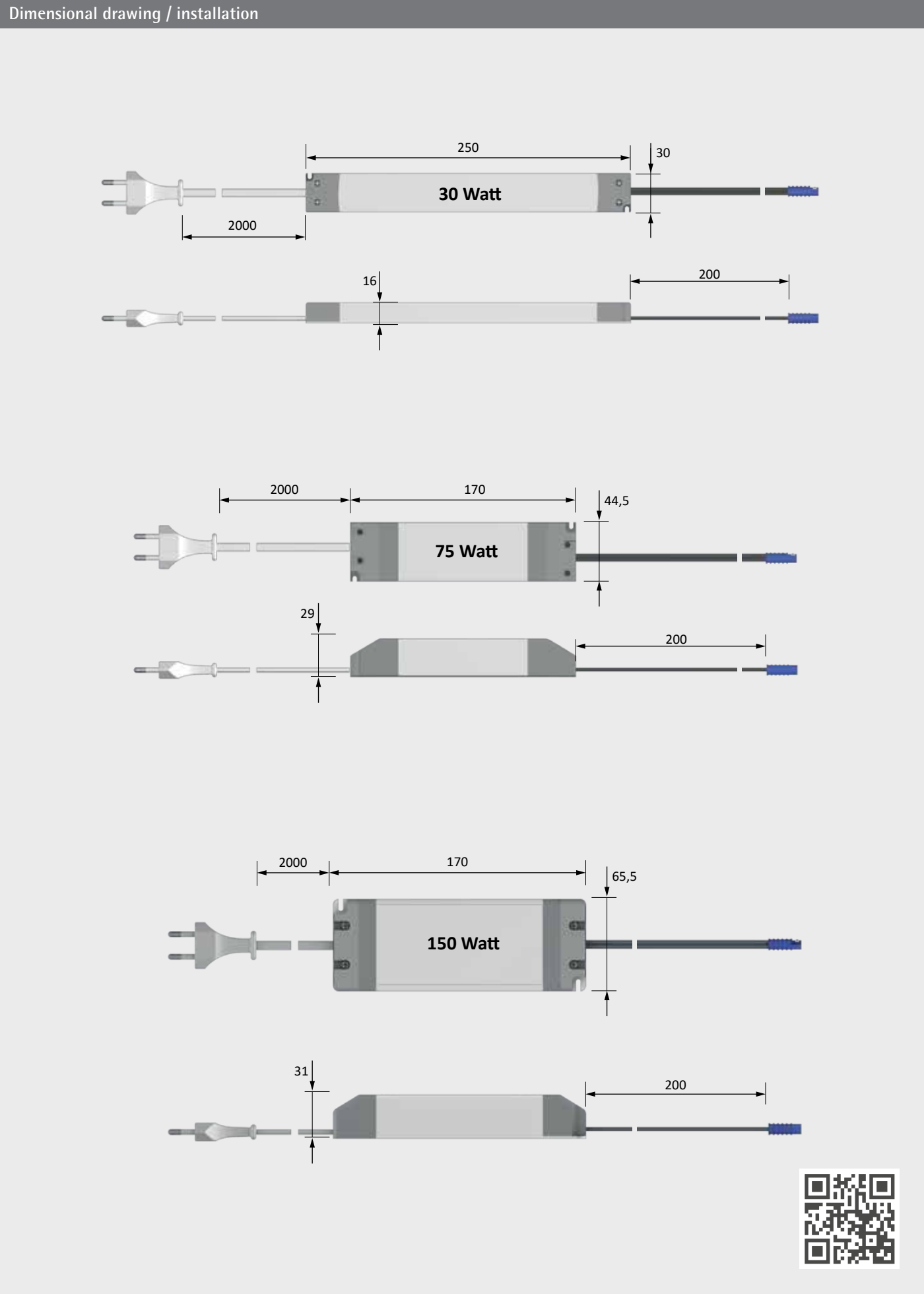
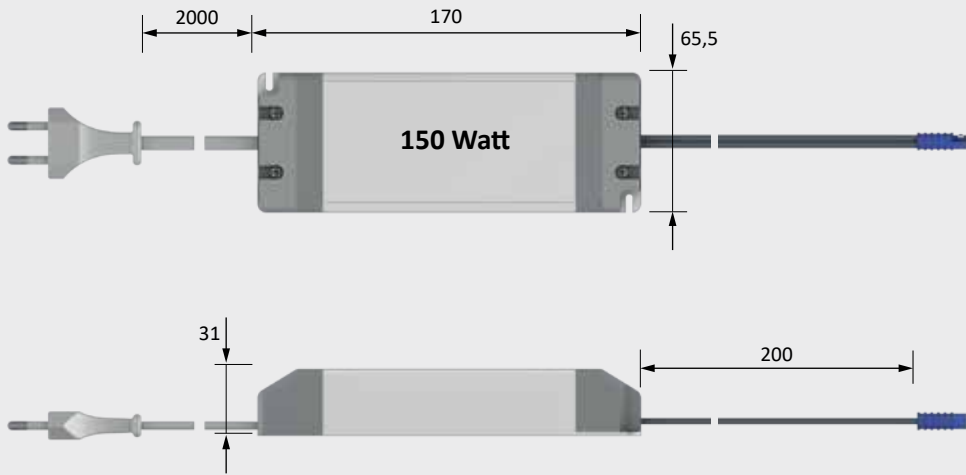
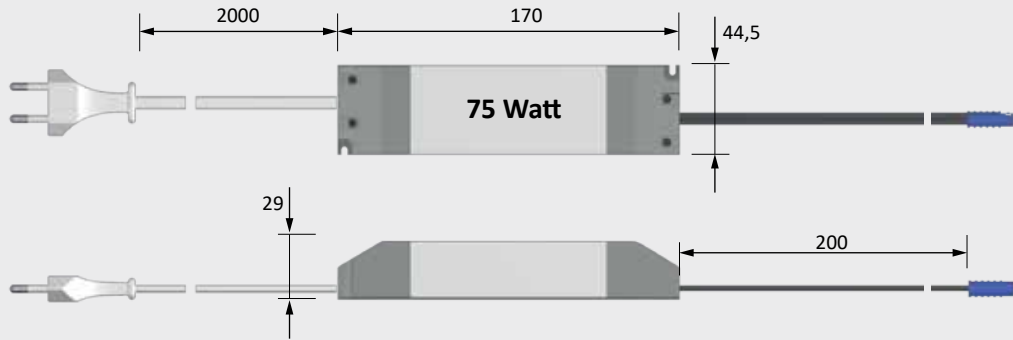
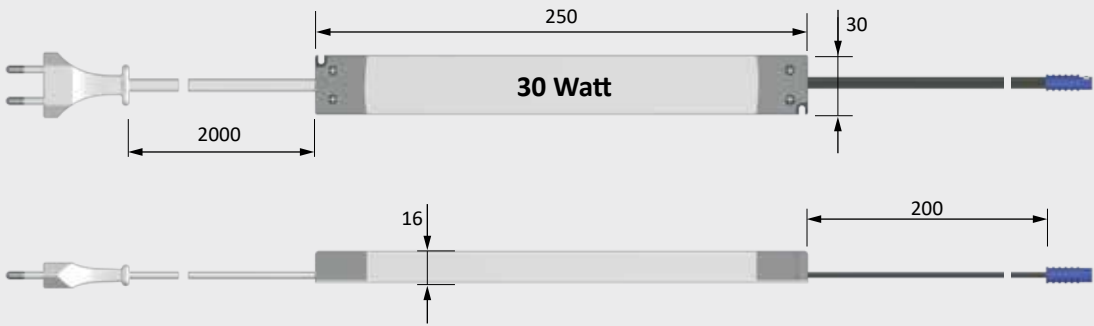
* With these electronic ballasts, luminaires connected on the secondary side (24 Volt DC) can be switched on and off with our switching and dimming system for 24 Volt DC.
** With these electronic ballasts, a leading-edge or trailing-edge phase dimmer (standard in domestic installations) is used on the primary side (230 V AC) for dimming the connected luminaires.
*** Only in combination with UK adapter 36 210 01

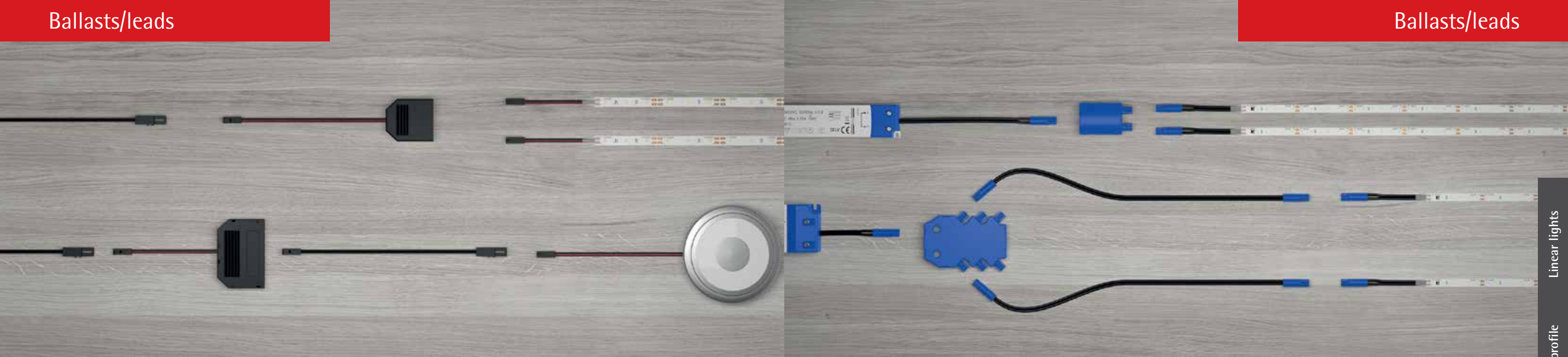
Technical details



For use with: LED lights
Surface finish: white
Operating voltage: 220–240 V AC
Mains frequency: 50 Hz/60 Hz
Output voltage: 24 V DC
Test marks and symbols: C E UK*** □ ▽ ▽ □ ▲
Plug connector
Primary: 2000 mm with flat Euro plug
LED-MultiPlug MP2

Dimensional drawing / installation





Leads 12 Volt DC

- Advantages
- ▶ LED plug-in system for 12 Volt DC lights
- Features
- ▶ Plug bore diameter 8 mm
- Order information
- ▶ Maximum connected load 3A/36 W
 - ▶ Max. 5 m extension lead per light

Leads 12 Volt DC	
Extension lead 1800 mm	36 768 01
Extension lead 5000 mm	36 743 03
Staircase distributor 2-way, 450 mm	39 903 02
3-way distributor 180 mm	36 852 01
6-way distributor 200 mm	36 122 07
6-way distributor 2000 mm	36 125 01
Cable clips (set of 10)	26 021 01

Technical details



Type: Plug system
Connected load: max. 3 A (36 W)
Surface finish: black
Plug connector: LED Mini M1 plug connector

Leads 24 Volt DC

- Advantages
- ▶ LED plug-in system for 24 Volt DC lights
- Features
- ▶ Plug bore diameter 8 mm
- Order information
- ▶ Maximum connected load 8A/192 W
 - ▶ Max. 3.6 m extension lead per light

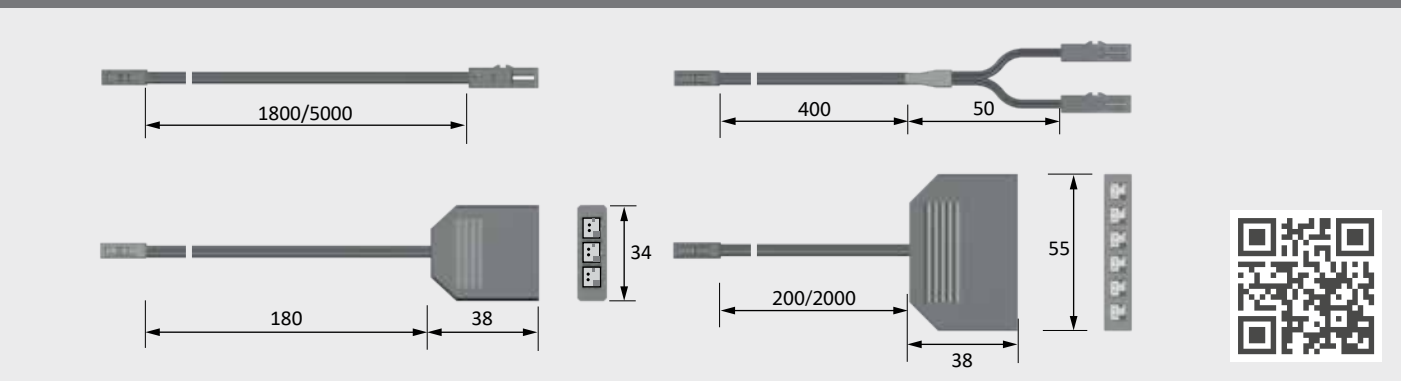
Leads 24 Volt DC	
Extension lead 1800 mm	36 177 01
2-way distributor	39 422 51
6-way distributor	36 996 01
Cable clips (set of 10)	26 021 01

Technical details

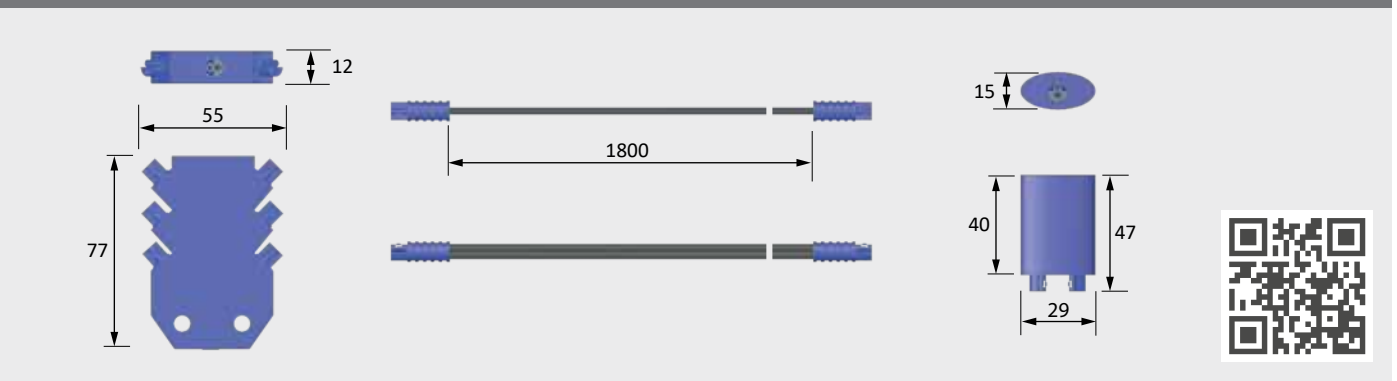


Type: Plug system
Connected load: max. 8 A (192 W)
Surface finish: blue
Plug connector: LED-MultiPlug MP2

Dimensional drawing / installation



Dimensional drawing / installation








USB socket

- Advantages**
- USB charger socket
 - for connection of 2 devices
- Features**
- For drill-in mounting
 - Quick charging of mobile devices

- Examples of use**
- USB devices
- Order information**
- electronic ballast must have at least 15 W spare capacity

Technical details

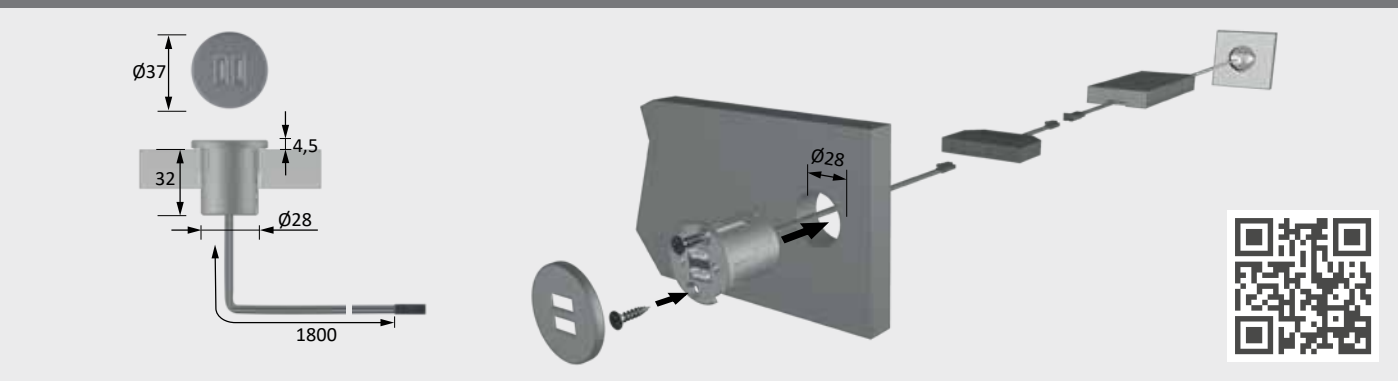


Type: Flush installation
Surface finish: Aluminium look
Operating voltage: 12 V DC
Charging voltage: 5 Volt DC
Charging current: max. 2.1 A
Test mark and symbols:   
Plug connector: LED mini M1 plug connector

USB socket

USB socket	30 574 02
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Dimensional drawing / installation



LitePac

- Advantages**
- Power supply without mains socket
 - Integrated on/off switch
 - High capacity
 - For all 12 Volt DC lights
 - M1 connection, distributor allowed

- Order information**
- Suffices for about 12 hours with connection of approx. 10 W (1m Versa 160 / 2m Versa 80)
 - May only be used with charger 31 152 01



- Examples of use**
- Presenting 12 Volt DC lights
 - For lighting solutions in the table
 - For the mobile presenter

LitePac

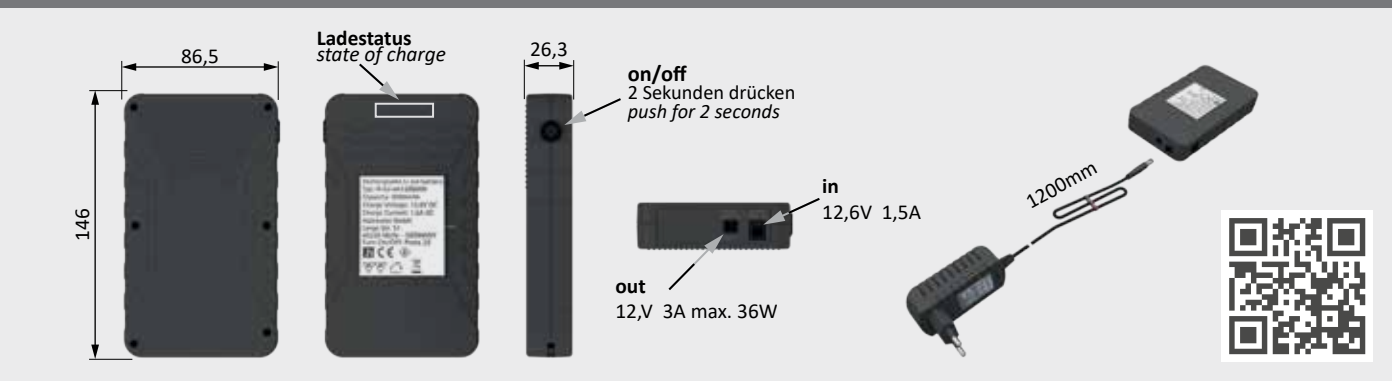
LitePac 6000 - Li-Ion battery 12 Volt DC	31 151 01
Plug-in power supply 12.6 Volt DC / 1.5 A charger for LitePac 6000	31 152 01

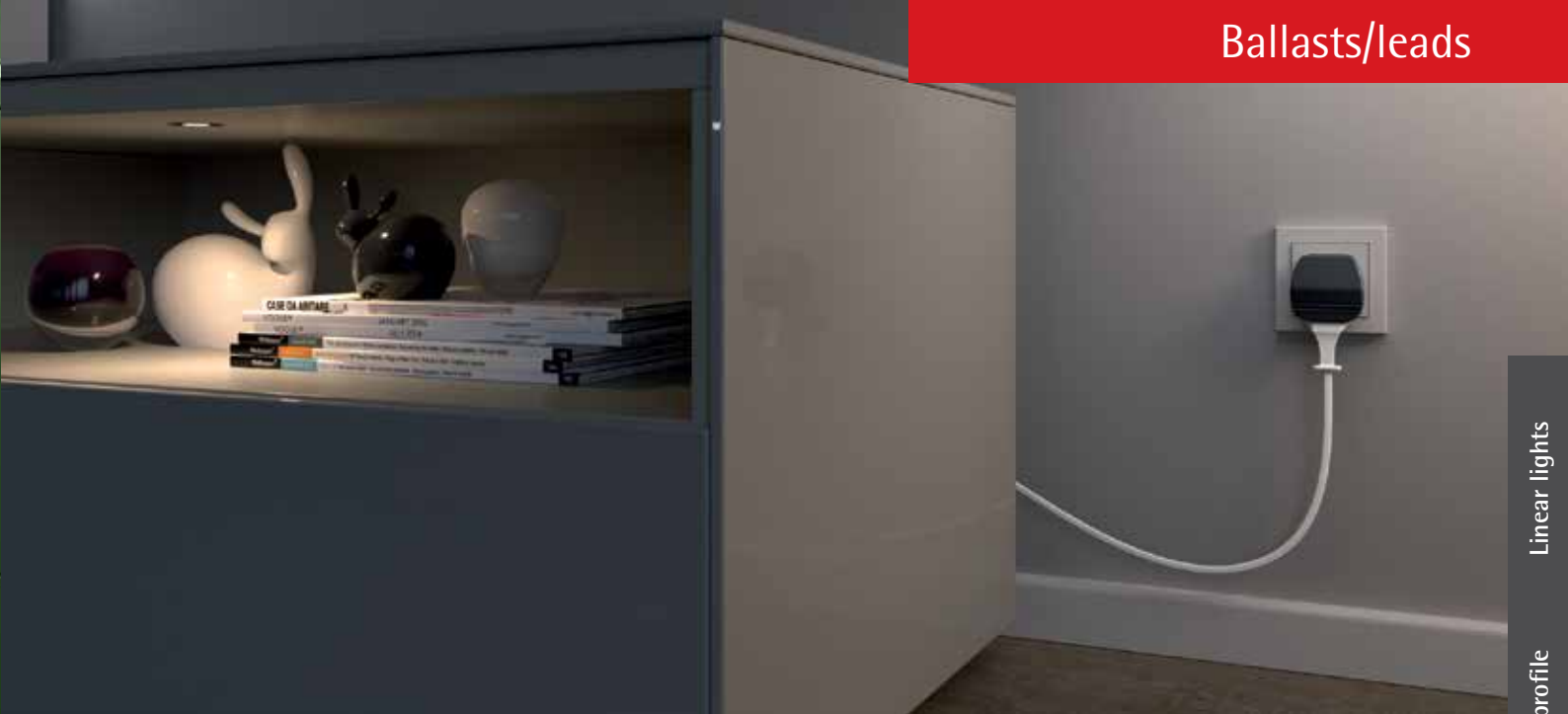
Technical details



Output voltage: 12 Volt DC
Charging voltage: 12.6 Volt DC
Power: max. 36 W
Capacity: 6000 mAh
Recharge time: approx. 4 h
Test mark and symbols:  
Plug connector: LED Mini M1 DC charger socket

Dimensional drawing / installation





Cable duct

- Advantages
- Neat and safe installation of LED leads
- Features
- Made in plastic
 - Can be individually cut to size
- Examples of use
- Cable fixture on furniture


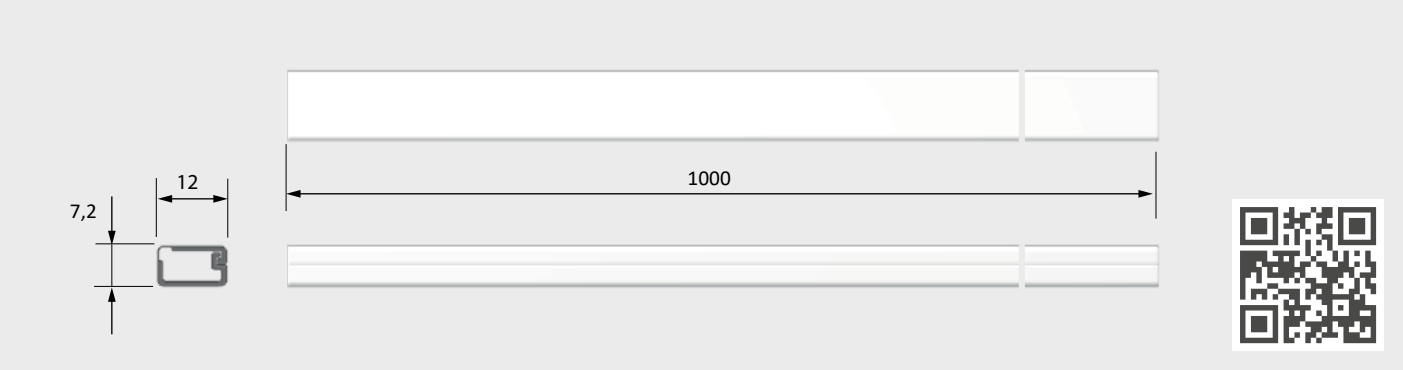
Technical details



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

Cable duct	
Cable duct, self-adhesive, 1000 mm	36 238 01

Dimensional drawing / installation



HV adapters / distributors

- Advantages
- Particularly flat high-voltage distribution
 - which can be installed behind the furniture
- Order information
- The UK adapter allows each electronic ballast to be used in GB and the Republic of Ireland
- Features
- Adapter for Euro flat plug – fast Mounting with one screw
 - Distributor for flat Euro plug

HV adapters / distributors	
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	36 237 02


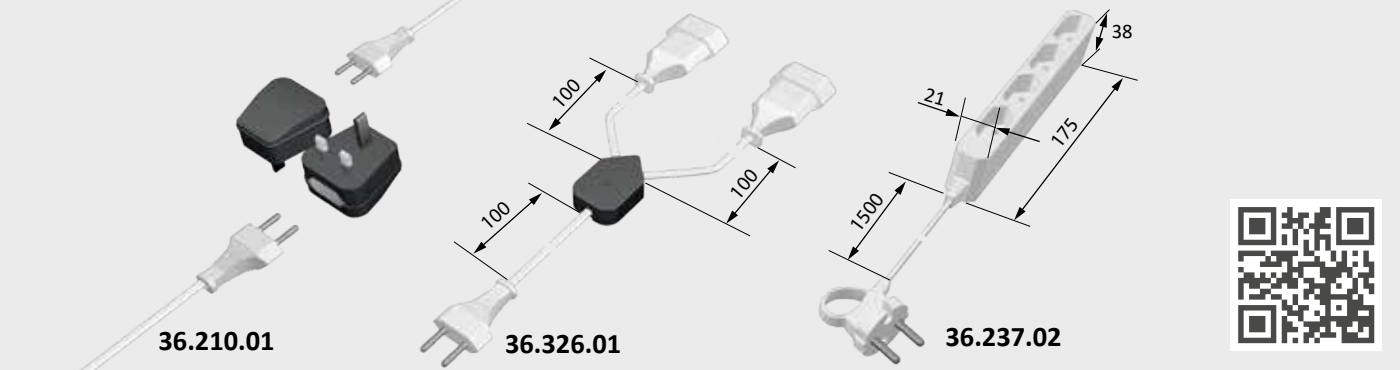
Technical details



230 V

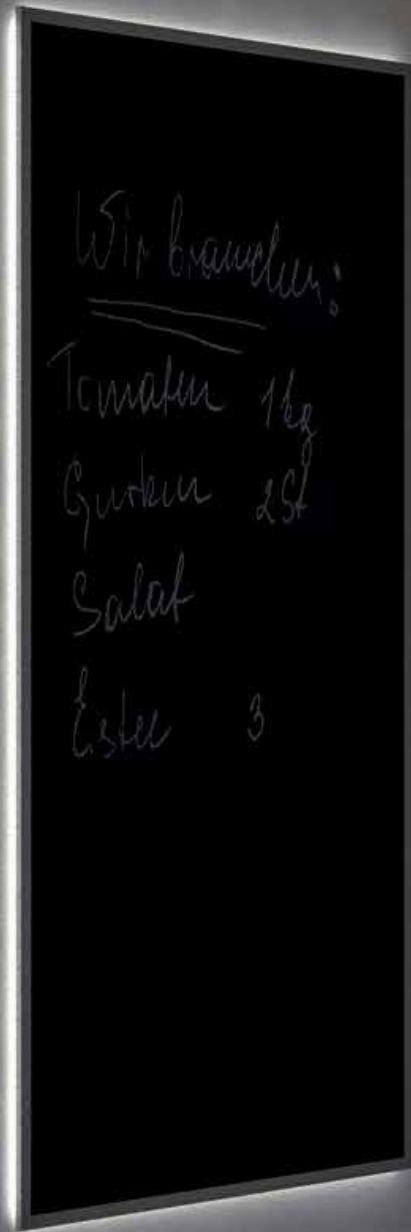
Type:	UK adapter plug for Euro plug with internal 3 A fuse
Test mark and symbols:	CE
Type:	2-way distributor Euro plug
Leads:	100 mm/2x 100 mm
Type:	4-way distributor Euro plug
Lead:	1500 mm CEE7/ 17 Contour connector

Dimensional drawing / installation



Types of lighting

Light can shape, change and move.



► Orientation lighting

The same room takes on a different appearance due to the change in lighting. Decorative elements such as backlit picture frames unfold their effect. Energy-saving LEDs serve as orientation light – even during the night.

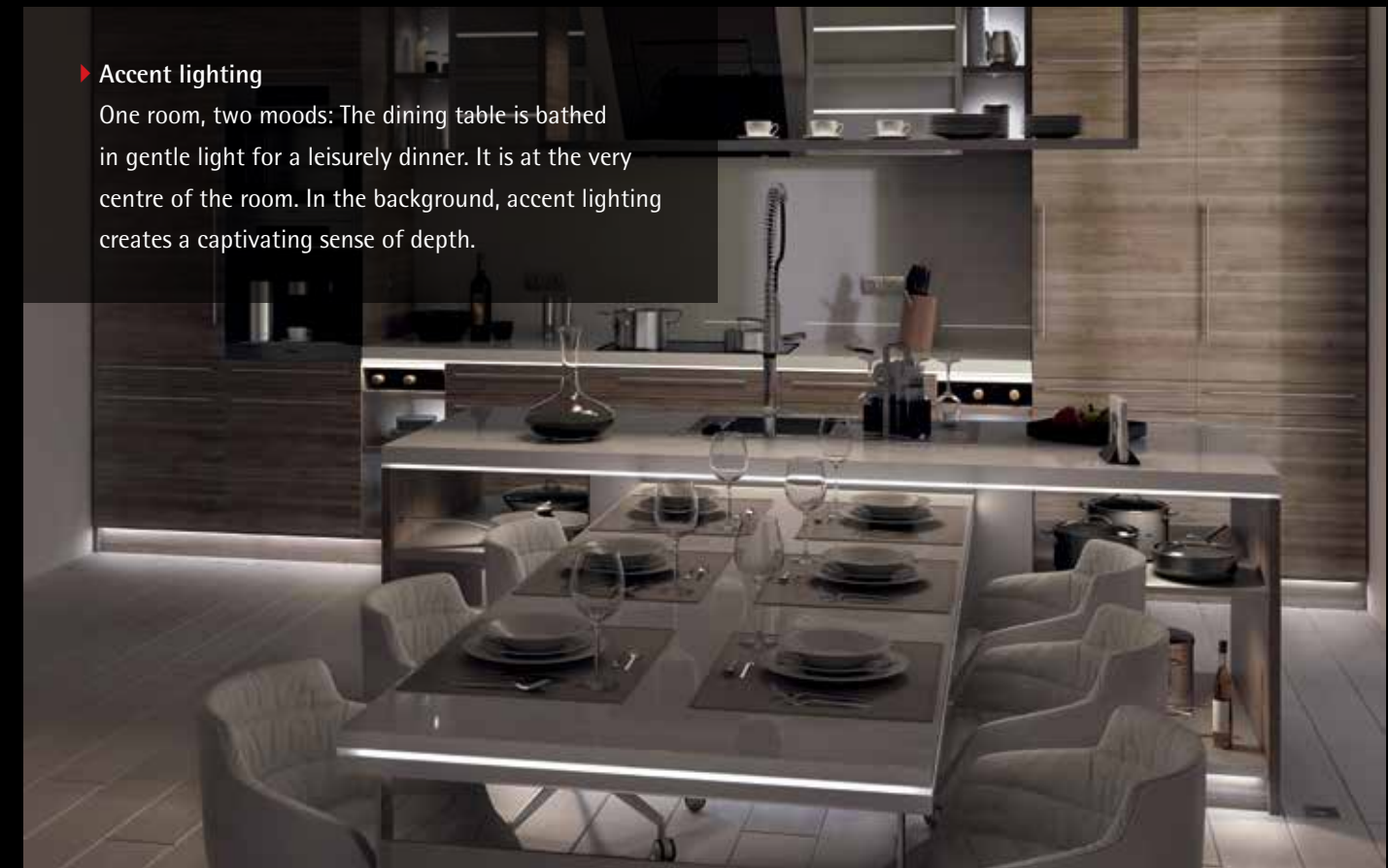


► Functional lighting

Functional, neutral white light is ideal for the work area in the kitchen. 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 working area. Thus uniform, glare-free illumination can be achieved.

► Accent lighting

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





Illuminating facts about light

We bring light into the darkness

Lux, lumen and kelvin, warm white, cool white and neutral white: although the terminology of lighting systems is all around us, it is not always clear to us. We would like to bring light into the dark with a few explanations.

► Light colour and colour temperature

White light is composed of the entire colour spectrum, i.e. it is the sum of all light colours. If the proportion of red in the light dominates the light appears warm, and cooler if it contains more blue. This colour impression that a light source gives us is called the light colour. Colour temperature is measured in Kelvin (K). This only provides information on the visual colour impression; it does not say anything about the thermal value of the light. The annealing colours of a black test piece heated to the appropriate temperature serve as a reference for this.

► The classifications

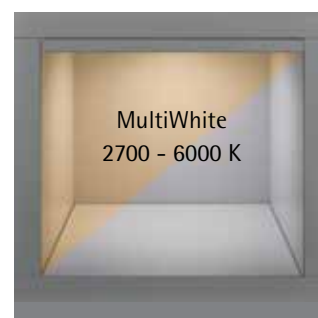
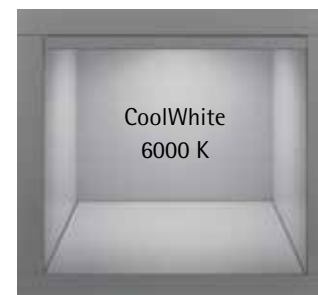
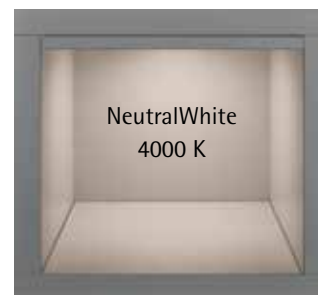
XW XtraWarmWhite
2500 – 2800 K
Illumination of e.g. baked goods

WW WarmWhite
2900 – 3300 K
Comfortable, calming

NW NeutralWhite
4000 – 4500 K
Objective

CW CoolWhite
5000 – 6500 K
Daylight-like, technical, stimulating

MW MultiWhite 2500 – 6500 K
Adjustable white
Cosy to daylight-like



The colour designations are not standardised and do not designate specific light colours, but merely colour ranges.

► Colour rendering

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

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

The colours of objects tend to look unnatural in light with an unbalanced colour spectrum.

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.

Many customers attach great importance to high-quality furnishings and fittings for their homes and living environments. A lot of money and passion is invested in the ambience. But only the optimal lighting can bring their interior design perfectly to the fore.

Only an indirect relationship exists between light colour temperature and colour rendition. The currently best method uses the principle of "luminescence conversion" and is used both for LED and fluorescent lamps. In this method the original blue LED light is transformed into white light by a very thin layer of phosphor material. Currently, CRI values of up to over 90 can be achieved with this method. This method currently provides the best price/performance ratio for high quality lighting solutions and is therefore preferred by HALEMEIER.



► Luminous flux

Luminous flux describes the luminous efficiency of a light source and is expressed in lumen (Lm).



► Light distribution diagrams

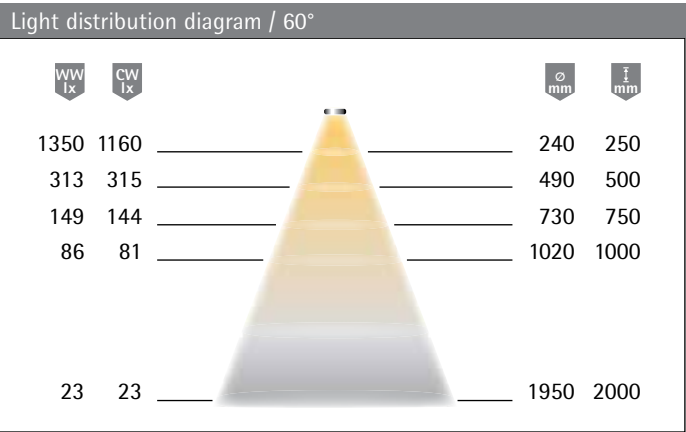
The light distribution diagrams shown in the catalogue help to select the right luminaire.

The diagrams illustrate:

- 1. the illuminance at a distance from the luminaire
- 2. the light distribution area
- 3. the half value angle

► Luminous intensity

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



Why do we give the illuminance in lux, and not in lumens or watts?

The wattage of a luminaire says practically nothing about what kind of lighting effect the luminaire produces. All we learn by specifying watts is how much power a light consumes while it is operating. Or put simply: what it costs us to turn them on. In other words, watts are important for assessing the efficiency of a luminaire and for selecting the appropriate electronic ballast. However, they say nothing about the brightness of this light. The illuminance in lux specified for the luminaire, on the other hand, makes it easy to assess what effect – functional, decorative, accentuating or orienting – can be achieved.

Brightness is a generic term for subjective impressions and objective measured quantities for the visual perception of – visible – light. This means that we all have a different "need" for brightness. As a rule, older people, for example, need more light than young people in order to have the same impression of brightness.

When planning, it should also be taken into account that dark surfaces "swallow" more light than light surfaces. Therefore: The lower the reflectance and the more difficult the visual task, the higher the illuminance needs to be.

Some examples of degrees of reflection:

- White walls up to 85 percent
- Maple and birch up to 60 percent
- Light oak up to 35 percent
- Red bricks up to 25 percent
- Dark oak only up to 15 percent



► ENEC
European mark of conformity: Confirmed standards conformity for electrical products through national certification bodies.



► VDE-GS mark
German mark for appliances as technical equipment according to the Appliance Safety Act GSG.



► EMC
Approval mark of the VDE, confirming compliance with the law on electromagnetic compatibility.



► CE
The CE mark certifies among other things compliance with the Low Voltage Directive and the EMC Directive by the manufacturer or importer.



► F mark
In the past, luminaires suitable for direct mounting on or against normally flammable materials bore the F mark. This is no longer required by current standardisation status, but assumed. Only deviations are marked.



► MM mark
Lights and transformers suitable for installing in or on furniture which are made from materials with unknown flammability properties.



► Temperature-protected electronic transformer
Converter is protected against overtemperature and switches off in the event of a fault. The value in the triangle shows the maximum housing temperature in the event of a fault.



► Short-circuit-proof safety transformer
Converter is protected against short circuit and switches in the event of a fault.



► Independent electronic transformer



► Maximum permissible ambient temperature
This is the temperature level up to which no components are thermally overloaded.



► Temperature reference point
Denotes the temperature reference point on the housing surface which, if exceeded, reduces useful life.



► Protective extra-low voltage
Safety Extra Low Voltage



► Safety class 1 – Devices with earth conductor connection
Equipment in which protection against electrical shock does not only rely on basic insulation. An additional measure of protection is given by connecting those conductive components to the protective earth conduct or in the building wiring that are otherwise capable of assuming hazardous voltages if the basic insulation fails.



► Protection class 2 – devices without protective earth connection
Equipment where the protection against electric shock is not only based on the basic insulation, but where additional safety measures for double insulation or reinforced insulation are present. There is no facility for connection to protective earth conductors.



► Protection class 3 – Devices with protective extra-low voltages
Equipment with protection against electric shock on protective extra-low voltage and in which voltages higher than the protective extra-low voltage are not generated – For voltages below 25 volts AC or 60 volts DC, protection against contact can be completely dispensed with.

IP codes

IP 20

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

IP 21

Protection against medium-sized foreign bodies / protection against 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



Use only in dry rooms

► The following marks confirm compliance with North American standards



QPS test mark for Canada and USA



Test mark of the UL Institute



Test mark of the ETL Institute



Declaration of conformity for products in the United Kingdom



Zigbee is the complete solution for the majority of major smart home solutions. Halemeier is a member of the ZigbeeAlliance



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 the chosen product has the right 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 these values. It is suitable only for selecting a light in systems where these are replaceable.

► Extending LED leads

Leads cannot be infinitely extended. Firstly, unwanted EMC effects could occur (leading to disturbances in electronic systems); secondly, ballasts could be overloaded or the light output of the lamp significantly reduced.

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

► **Our lights based on 24 V DC** are supplied with a Multi-Plug system MP2 and may be generally extended by 2 extension leads of 1.8 m each in addition to the line assembled as standard.

► Dimming LED lights

In the information box "Technical details", which you will find on every product page in the catalogue, we indicate whether a luminaire is dimmable. LED luminaires are dimmed by PWM (pulse width modulation) on the extra-low voltage side. This is done either by our Smart.home controls, LED dimmers or by special electronic ballasts, which are controlled by a 1-10 volt control voltage or a phase-cut dimmer, depending on the type. Important: Standard LED ballasts are not dimmable.

► Who remembers what?

All switches of this range "remember" their state when the power was switched off. This means, for example, for the S-Mitter that the previously set dimming level remains available after disconnection from the mains.

► 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. by mounting a ballast between two wooden plates), unless absolutely necessary.

► Heat generation

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

► Loads 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 the ballasts whose power range is specified from 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 with the number of lights connected to it.

► Observe the inrush current

Fully electronic ballast have no inductance in the input circuit which limits the current rise at switch-on. Therefore, a high current peak may occur when the mains voltage is switched on. When using large number of ballasts (e.g. in an exhibition) this should be considered when protecting the circuit.

► Electronic ballast with output control

Electronic ballast with output control compensate mains voltage fluctuations of +/- 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 +/- 10% also mean a +/- 10% fluctuation of lamp power and light output.

► Using IR switches

When using IR sensors, such as in combination with the Multiswitch or the integrated sensor of InnoLine, make sure that the infrared beam is reflected cleanly to the receiver. High gloss but also too strongly frosted surfaces and incorrect mounting distances can lead here to errors. Please use the reflector stickers supplied.

► Blinking LED lights

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

► Malfunctions or different levels of brightness in LED Versa strips.

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

► Binning allows for constant product quality.

In the industrial production of LED chips, deviations always occur during the manufacturing process. The photometric properties of the chips differ in colour and luminosity. To ensure a constant light quality with the same brightness level and uniform light colour, the LED of a batch must be sorted. They are divided into selection classes, called "bins". Important selection criteria for this are chromaticity, luminous flux (unit: lumen) and colour temperature (unit: Kelvin). This is why the 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 are committed to infrequent change of selection classes and in many lights types we already offer "single binning" – i.e. fittings with always the same LED selection.

► Replacing LED light bulbs

LED light bulb replacement is not provided.

► Care and maintenance

Please only clean your light in OFF state. The 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 beam that can possibly 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 therefore fall within the regulations of the Waste Electrical and Electronic Equipment Act (ElektroG/WEEE). LEDs must therefore not be disposed of in the residual waste. LED lights can be disposed of free of charge at appropriate collection points.

► Safety instructions for installation:

Always follow these instructions and the installation instructions for a safe and secure installation and use of this lamp. 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 the circuit and secure it against unintentional reconnection. Make sure 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 value be exceeded! Lights may be used only for their intended purpose. Interior lighting may not be used outdoors. Lights may not be covered by any objects.

Attention! To avoid risks, a damaged outer flexible cable of this light may only be replaced by a qualified electrician or the manufacturer.



Ecodesign Directive and the labelling of lighting sources and/or luminaires

With the publication of Delegated Regulation (EU) 2019/2015 of 11 March 2019, the competent Commission has replaced the former Regulation (EU) 874/2012. This means that the obligation to label luminaires has expired since 25.12.2019 and will be replaced by an obligation to label light sources, which will apply from 01.09.2021. If a light source is placed on the market as part of a containing product, the labelling obligation for the light source used also does not apply. Operating manuals or installation instructions need only state the energy efficiency class of the light source used.

With the appearance of this new regulation, the classification of the corresponding energy efficiency classes will also change. Example: A luminaire which in the past fell into energy efficiency class A as a luminaire according to (EU) 874/2012, only achieves energy efficiency class E according to the current regulation (EU) 2019/2015 with the illuminant which continues to be used unchanged. The luminaire is not less efficient, it is now only subject to a different calculation basis for determining the corresponding energy efficiency class of its illuminant. The effects on the efficiency of the end product luminaire, which are significantly influenced by design details such as housings, reflectors, lenses and covers, are not taken into account by the current regulation.

We take over product responsibility in accordance with the WEEE Directive

In addition to all deliveries within Germany, Halemeier takes over the product registration** as a free service for its customers in other EU countries*.

The registration is not to be carried out with an overall EU authority, but with the respective national authorities of the member states. Halemeier currently undertakes this registration for deliveries to customers*) in Belgium, Denmark, Estonia, Finland, France, Greece, Ireland, Italy, Latvia, Lithuania, the Netherlands, Austria, Poland, Portugal, Romania, Sweden, Spain, the Czech Republic and Hungary.

**) Halemeier product registration is only sufficient for luminaires and devices which are marked with the Halemeier brand and which can be dismantled after installation by the installer using standard household tools. If they are not, the processor/furniture manufacturer must register his furniture independently. In case of export by the customer, an independent declaration by the distributor in the country of destination is mandatory.

Technical data of the catalogue

Halemeier only gives the values in his catalogue data that were determined for the complete product in our own laboratory and on the basis of algorithms.

3 years warranty

for all Magic by Halemeier catalogue items*

5 years warranty for

selected Magic by Halemeier LED luminaires**

Warranty conditions

Valid for Halemeier LED luminaires, LED ballasts and system accessories which are exclusively operated in the system with Halemeier products with purchase date from 01.05.2021.* The guarantee is valid on the territory of the European Union and Switzerland.

If a Halemeier LED luminaire or Halemeier electronic ballast or system accessory fail within the warranty period due to a product defect, the purchaser will receive a replacement or repair of the luminaire/system accessory free of charge. If the product is no longer available, Halemeier reserves the right to refund the pro rata purchase price. A decrease in luminous flux due to use is normal for LED products (up to 30% within the specified service life), does not constitute a defect and is therefore not covered by the warranty.

The warranty granted is valid on condition that the products are used in accordance with their product specifications and are installed and commissioned professionally, in accordance with the installation instructions enclosed with the product. The warranty expires if modifications or repairs have been carried out by third parties. The product must not be subjected to any mechanical loads that are not in accordance with its intended use.

Furthermore, the ambient temperature must not fall below -20°C and must not exceed 30°C. The relative humidity must not exceed 80% (does not apply in the protection classes provided for this purpose) and the products must not be subject to voltage fluctuations of more than 10%.

Due to technical progress and changes in luminous flux caused by use, subsequent deliveries of LED luminaires may show deviations in the light characteristics compared to the original products.

The warranty is excluded if the products have been modified or repaired or if the goods have been installed improperly or by unqualified personnel. The guarantee does not apply to incidental costs incurred in connection with the rectification of defects (such as for installation and removal, transport of the defective and the repaired or new product, disposal, travel and travel time); these costs will be borne by the buyer..

Halemeier accepts no liability beyond this manufacturer's warranty.

Warranty claims must be made immediately after becoming aware of the defect within the warranty period. The warranty services do not have the effect of extending the warranty period, nor do they initiate a new warranty. However, the warranty claims of the purchaser shall continue to exist unchanged in addition to this manufacturer's warranty

The warranty period starts from the day of delivery ex works Halemeier.

* Excluded from the 3 or 5 year warranty are only:
Batteries and rechargeable batteries

** Excluded from the 5 year warranties are only :
LuckyLite Pro, LitePipe, InnoLine, LuckyLine and SwanLite.
We refer to our General Terms and Conditions under

www.halemeier.de

Philips Licensing Program

Wide assortment of innovative technologies

Halemeier is a licensee of the Philips LED licensing program for luminaires and thus enjoys many advantages and opportunities: Only licensees get access to a wide range of over 200 Philips lighting innovations – from basic LED controls to system-level technologies that can be used in LED-based luminaires and retrofit luminaires. This will help to accelerate product development, increase cost efficiency and exploit new opportunities in the expanding market.



Halemeier is a member of the Zigbee Alliance.



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