Schlüter®-LIPROTEC
Illustrated price list LT 19

Ireland · Valid from 1 February 2019

2019

SIMPLY INDIVIDUAL – Schlüter®-LIPROTEC

LED light and ceramics – a combination that keeps gaining fans. Schlüter-LIPROTEC makes it easier than ever to create individual light concepts with ceramic or natural stone surfaces. With the Schlüter-LIPROTEC-EASY and Schlüter-LIPROTEC-PRO series, we offer systems that are tailored to the skills of the installers.

Whilst the EASY series is a plug-and-play system that only requires limited expertise in light installation, the PRO series is designed for professional tile installers who have experience with light installation and wiring. And finally, Schlüter-LIPROTEC-PLAN provides all information that professional (light) designers need to create and implement accent lighting with LIPROTEC.

EASY

Available in April 2019

Individual light installation made easy – thanks to convenient plug systems and easy mounting, the plug-and-play series provides solutions for every situation, even for installers who are not experts.

- Convenient plug systems

- Easy mounting

- Ready for immediate use

- Large selection

PLAN

In the PLAN section, planners, architects, light experts and installers find all technical information at a glance. With this expertise, there are no limits to what light installations can be created with Schlüter-LIPROTEC products.

EASY
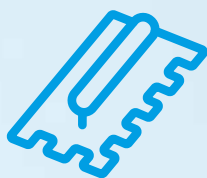
PRO

Lighting for professional installers – with the PRO series of Schlüter-LIPROTEC, turn any room into an oasis of light.

- Individual light installations

- Products with a multitude of combination options

- Limitless possibilities

- The series for professional installers

PRO

- Technical details

- Compact product overview

- Materials and surfaces

- Wide range of accessories

PLAN

AS VERSATILE AS THE LIGHT

Fascinate customers, turn visions of living spaces into reality, immersed in colour and the versatility of light. In the table on the next page of this price list, you can find the solutions for the various applications on this page, either as EASY (plug-and-play sets) or PRO (individually configurable).
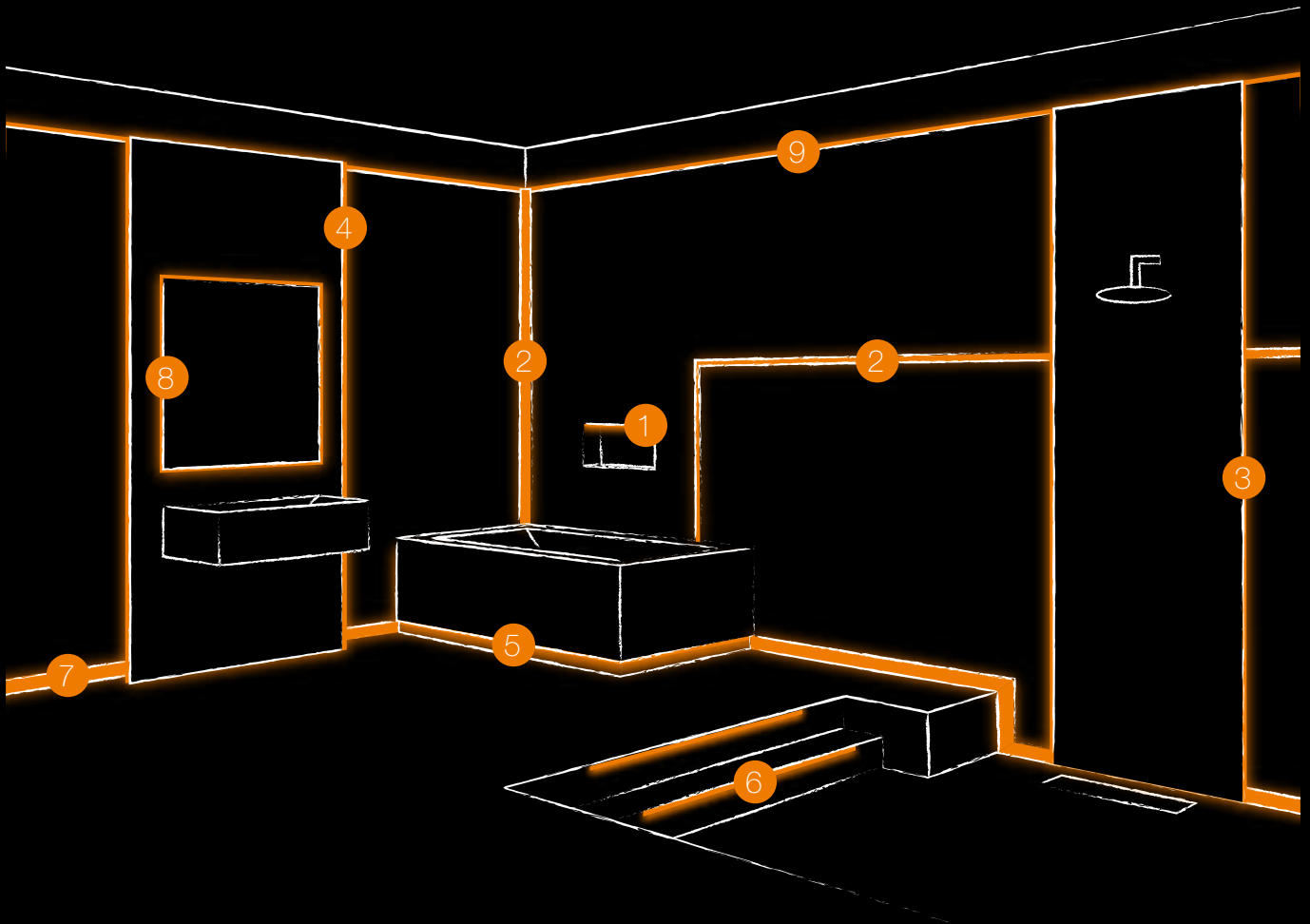
For technical information and properties, refer to the PLAN section starting on page 72.

			EASY	PRO
1 NICHE				
NLT – Niche, LED coloured + white, plug-and-play	SET		Page 8	
2 LINEAR LIGHT				
LLPM – Linear light, plug-and-play LED module, coloured + white	MODULE		Page 10	
LLP – Linear light, plug-and-play LED module, coloured	MODULE		Page 12	
LLPE – Linear light, plug-and-play LED module, wall corner, coloured	MODULE		Page 14	
LL – Linear light, coloured + white				Page 20
LLE – Linear light, wall corner, coloured + white				Page 24
3 SHOWER				
LLPM – Linear light, plug-and-play LED module, coloured + white	MODULE		Page 10	
LLP – Linear light, plug-and-play LED module, coloured	MODULE		Page 12	
LLPE – Linear light, plug-and-play LED module, wall corner, coloured	MODULE		Page 14	
LL – Linear light, coloured + white				Page 20
LLE – Linear light, wall corner, coloured + white				Page 24
WS – Wall panel lighting, coloured + white				Page 28
WSK – Wall panel lighting with cable duct, coloured + white	SET			Page 32/56
WSQ – Wall panel lighting with QUADEC finishing profile, coloured + white				Page 36
4 WALL PANEL				
WS – Wall panel lighting, coloured + white				Page 28
WSK – Wall panel lighting with cable duct, coloured + white	SET			Page 32/56
WSQ – Wall panel lighting with QUADEC finishing profile, coloured + white				Page 36
5 BATHTUB				
LLPM – Linear light, plug-and-play LED module, coloured + white	MODULE		Page 10	
WS – Wall panel lighting, coloured + white				Page 28
WSK – Wall panel lighting with cable duct, coloured + white	SET			Page 32/56
6 STAIRCASE				
PB – Stair edge lighting, white	SET			Page 40/58
7 BASEBOARD				
DESIGNBASE-QD – Landing/border profile, white				Page 44
VB – Skirting/cove lighting				Page 48
MIRROR				
8 LLPM – Linear light, plug-and-play LED module, coloured + white	MODULE		Page 10	
LLP – Linear light, plug-and-play LED module, coloured	MODULE		Page 12	
D – Receptacle profile for mirror and other decors	SET			Page 52/60
WS – Wall panel lighting, coloured + white				Page 28
WSK – Wall panel lighting with cable duct, coloured + white	SET			Page 32/56
LIGHTING COVE				
9 WS – Wall panel lighting, coloured + white				Page 28
WSK – Wall panel lighting with cable duct, coloured + white	SET			Page 32/56
VB – Skirting/cove lighting				Page 48

EASY

PRO

PLAN

EASY

Schlüter-LIPROTEC-LLP/-LLPM/-LLPE are LED modules consisting of a flexible, fully sheathed LED strip with homogenous light dispersion and a receptacle profile made of aluminium or stainless steel. The LED modules are available with either a fixed white-light colour temperature of 3000 K or 4900 K, or with a RGB+W colour range. The latter makes it possible to choose from more than 16 million hues and colour temperatures from 2500 K – 6500 K.

The robust carrier profile makes applications in areas with high exposure to environmental influences possible, from an installation height of 11 mm. It can be used on the wall and ceiling, as well as in the shower, for example. In less affected indoor areas, the LED modules can even be installed in the floor area. For use in protected outdoor areas and pool landscapes, we recommend using our Schlüter-LIPROTEC-LLPM LED modules with V4A stainless steel profiles.

The LED modules are available as plug-and-play versions in different lengths. Our LED strip can simply be shortened at the marked cutting points and sealed with the supplied end caps to maintain its IP degree of protection. The LED modules can be integrated into a system using cable connections and Y-switches, depending on the light characteristics. Power supply units and the Bluetooth control required for the RGB+W system are also available as plug-and-play versions, which makes installation easier. You can find additional accessories such as cable connections, distributors and hollow wall boxes with sealing function in the accessories section.

Available in April 2019

SETS

CONTROL

ACCESSORIES

For technical information and properties, refer to the PLAN section starting on page 72.

EASY

PRO

PLAN

FIND OUT MORE AT:

WWW.LIPROTEC.CO.UK

Schlüter®-KERDI-BOARD-NLT

SET | **IP67**

Schlüter-KERDI-BOARD-NLT are prefabricated niche sets made of KERDI-BOARD with plug-and-play LIPROTEC-LED technology. They are used to create illuminated niches and supporting surfaces for wall areas of all kinds. These niches can be integrated into the Schlüter-KERDI waterproofing system as a bonded waterproofing assembly.

The niches are available in different dimensions and hues. The rectangular niches are available with illumination either on the long or the narrow side. The LED module can either be positioned at the front edge, in the center or at the rear wall that is to be tiled. The scope of supply includes all components required for the installation, as well as the cable connection, power supply and sealing collar. We recommend using an on-site light switch to optimise operating convenience. A Bluetooth control for RGB+W lighting has to be ordered separately and can be found on page 16. *(Product data sheet 12.1)*

PLUG & PLAY NICHE SETS WW / NW / RGB+W

A
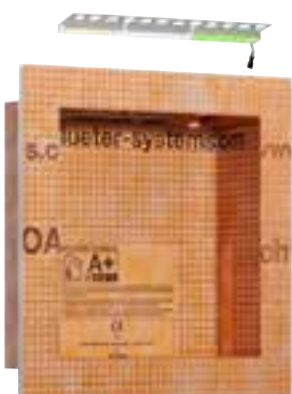
Included in all sets:

B

C

D

E

TECHNICAL DATA OF THE INCLUDED LED MODULES

NLT 9 (RGB+White)	
Dimensions of the LED (b x h)	17 x 14.5 mm
Rated output	See table on page 74
Number of LEDs	112/m
Colour temperature	RGB+W (2700 K)
CRI	85
Included power supply	230 V, 15 W
Included cable	3 m

NLT 1 (Warm White)	
Dimensions of the LED (b x h)	12 x 10.5 mm
Rated output	See table on page 74
Number of LEDs	280/m
Colour temperature	3000 K
CRI	92
Included power supply	230 V, 15 W
Included cable	3 m

NLT 2 (Neutral White)	
Dimensions of the LED (b x h)	12 x 10.5 mm
Rated output	See table on page 74
Number of LEDs	280/m
Colour temperature	4900 K
CRI	92
Included power supply	230 V, 15 W
Included cable	3 m

Available in April 2019

PREFABRICATED NICHES WITH PLUG-AND-PLAY LED ILLUMINATION

B x H x T (mm)		Type of light	Article number	€ / Set	PL (Set)
A	305 x 305 x 89	Warm White	KB 12 NL TP1 AE 1	240.00	20
		Neutral White	KB 12 NL TP1 AE 2	240.00	20
		RGB+White	KB 12 NL TP1 AE 9	270.00	20
B	305 x 508 x 89	Warm White	KB 12 NL TP2 AE 1	270.00	20
		Neutral White	KB 12 NL TP2 AE 2	270.00	20
		RGB+White	KB 12 NL TP2 AE 9	300.00	20
C	305 x 711 x 89	Warm White	KB 12 NL TP3 AE 1	310.00	20
		Neutral White	KB 12 NL TP3 AE 2	310.00	20
		RGB+White	KB 12 NL TP3 AE 9	340.00	20
D	508 x 305 x 89	Warm White	KB 12 NL TP4 AE 1	295.00	20
		Neutral White	KB 12 NL TP4 AE 2	295.00	20
		RGB+White	KB 12 NL TP4 AE 9	310.00	20
E	711 x 305 x 89	Warm White	KB 12 NL TP5 AE 1	360.00	20
		Neutral White	KB 12 NL TP5 AE 2	360.00	20
		RGB+White	KB 12 NL TP5 AE 9	375.00	20

Note: Internal dimensions. The first length specification is the illuminated length.

APPLICATION AREAS

EASY

PRO

PLAN

Schlüter®-LIPROTEC-LLPM

Schlüter-LIPROTEC-LLPM are plug-and-play LED modules consisting of a flexible, encapsulated LED strip with homogenous light dispersion and a receptacle profile made of aluminium or stainless steel with trapezoid perforated anchoring leg. The LED modules are available either with a fixed white-light colour temperature of 3000 K or 4900 K, or with a RGB+W colour range. The latter makes it possible to choose from more than 16 million hues and colour temperatures from 2500 K – 6500 K. The white LED module is available with an installation height of 11 mm, which means it can be installed flush with the tile thickness.
(Product data sheet 15.8)

PLUG & PLAY LED MODULE WW / NW
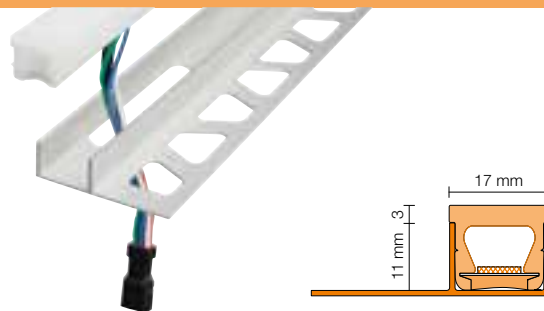
aluminium

11 mm · 12 mm

stainless steel

11 mm · 12 mm
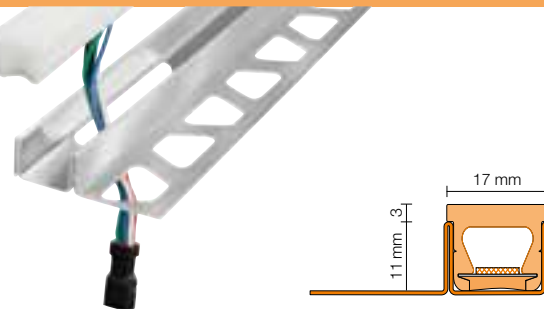
Note: End caps incl. sealing compound for shortening the LED strip are included in the set. On the RGB+W version, the LED strip protrudes approx. 3 mm from the profile.

PLUG & PLAY LED MODULE RGB+W

aluminium

17 mm · 11 mm · 3

stainless steel

17 mm · 11 mm · 3

Note: Only the LED module with white light is suitable for use on the floor in domestic applications.

TECHNICAL DATA OF THE INCLUDED LED MODULES

LLPM 9 (RGB+White)

Dimensions of LED (b x h)	17 x 14.5 mm
Rated output	15 W/m
Number of LEDs	112/m
Colour temperature	RGB+W (2700 K)
CRI	85

Can be shortened every 62.5 mm

LLPM 1 (Warm White)

Dimensions of LED (b x h)	12 x 10.5 mm
Rated output	5 W/m
Number of LEDs	280/m
Colour temperature	3000 K
CRI	92

Can be shortened every 25 mm

LLPM 2 (Neutral White)

Dimensions of LED (b x h)	12 x 10.5 mm
Rated output	5 W/m
Number of LEDs	280/m
Colour temperature	4900 K
CRI	92

Can be shortened every 25 mm

END CAPS

Schlüter-LIPROTEC-LLPM/EK are end caps for proper termination of the LED plug-and-play sets. They can be used as left or right end. The holding bar is embedded into the tile adhesive.

Schlüter®-LIPROTEC-LLPM/EK

end cap, anodised aluminium

B (mm)	Art.-No.	€ / Unit	P (Unit)
12	EK/LLP 110 AE 12	**4.40**	60
15	EK/LLP 110 AE 15	**4.40**	60

Schlüter®-LIPROTEC-LLPM/EK

end cap, stainless steel V4A

B (mm)	Art.-No.	€ / Unit	P (Unit)
12	EK/LLP 110 V4A 12	**4.40**	60
15	EK/LLP 110 V4A 15	**4.40**	60

Note: B = 12 mm (LED module, white) / B = 15 mm (LED module, RGB+W)

PLUG & PLAY LED MODULE *ALUMINIUM*

Material	Length (cm)	Type of light	Article number	€ / m	P (Units)
Aluminium	50	Warm White	LLP 110 AE 1/50	160.00	10
		Neutral White	LLP 110 AE 2/50	160.00	10
		RGB+White	LLP 110 AE 9/50	180.00	10
	100	Warm White	LLP 110 AE 1/100	140.00	10
		Neutral White	LLP 110 AE 2/100	140.00	10
		RGB+White	LLP 110 AE 9/100	160.00	10
	200	Warm White	LLP 110 AE 1/200	115.00	10
		Neutral White	LLP 110 AE 2/200	115.00	10
		RGB+White	LLP 110 AE 9/200	135.00	10
	250	Warm White	LLP 110 AE 1	105.00	10
		Neutral White	LLP 110 AE 2	105.00	10
		RGB+White	LLP 110 AE 9	125.00	10

PLUG & PLAY LED MODULE *STAINLESS STEEL*

Material	Length (cm)	Type of light	Article number	€ / m	P (Units)
Stainless steel	50	Warm White	LLP 110 V4A 1/50	175.00	10
		Neutral White	LLP 110 V4A 2/50	175.00	10
		RGB+White	LLP 110 V4A 9/50	195.00	10
	100	Warm White	LLP 110 V4A 1/100	155.00	10
		Neutral White	LLP 110 V4A 2/100	155.00	10
		RGB+White	LLP 110 V4A 9/100	175.00	10
	200	Warm White	LLP 110 V4A 1/200	130.00	10
		Neutral White	LLP 110 V4A 2/200	130.00	10
		RGB+White	LLP 110 V4A 9/200	150.00	10
	250	Warm White	LLP 110 V4A 1	120.00	10
		Neutral White	LLP 110 V4A 2	120.00	10
		RGB+White	LLP 110 V4A 9	140.00	10

APPLICATION AREAS
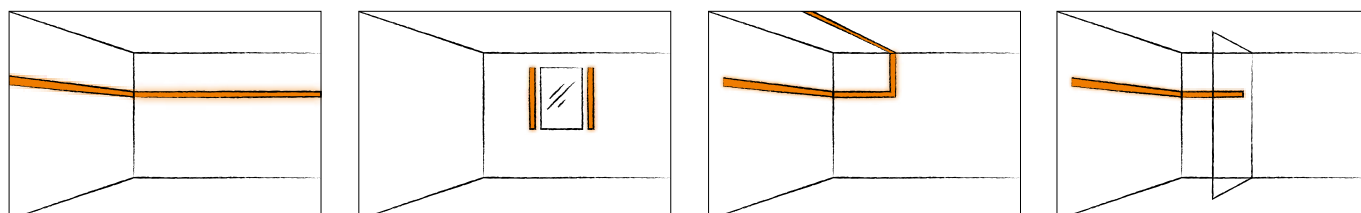
Available in April 2019

EASY

PRO

PLAN

Schlüter®-LIPROTEC-LLP

[▶] [✂] [IP67]

Schlüter-LIPROTEC-LLPE are LED modules consisting of a flexible, encapsulated LED strip with homogenous light dispersion and a U-shaped receptacle profile made of aluminium. With the LED modules, coloured RGB+W light strips with more than 16 million different hues and colour temperatures of 2500 K – 6500 K can be created. The receptacle profile with an installation height of 17mm makes flush installation possible. *(Product data sheet 15.5)*

PLUG & PLAY LED MODULE RGB+W
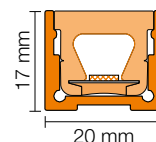
aluminium

17 mm / 20 mm

Note: End caps incl. sealing compound for shortening the LED strip are included in the set.

TECHNICAL DATA OF THE INCLUDED LED MODULES

LT LLP 9 (RGB+White)	
Dimensions of LED (b x h)	17 x 14.5 mm
Rated output	15 W/m
Number of LEDs	112/m
Colour temperature	RGB+W (2700 K)
CRI	85

Can be shortened every 62.5 mm

END CAPS

Schlüter®-LIPROTEC-WS/EK

end cap, anodised aluminium, indirect illumination

H (mm)	Art.-No.	€ / Unit	P (Unit)
17	EK / LT WS I AE 20	12.78	50

Available in April 2019

PLUG & PLAY LED MODULE *ALUMINIUM*

Material	Length (cm)	Type of light	Article number	€ / m	P (Units)
Aluminium	50	RGB+White	LLP 2017 AE 9/50	210.00	10
	100	RGB+White	LLP 2017 AE 9/100	180.00	10
	200	RGB+White	LLP 2017 AE 9/200	150.00	10
	250	RGB+White	LLP 2017 AE 9	140.00	10

APPLICATION AREAS
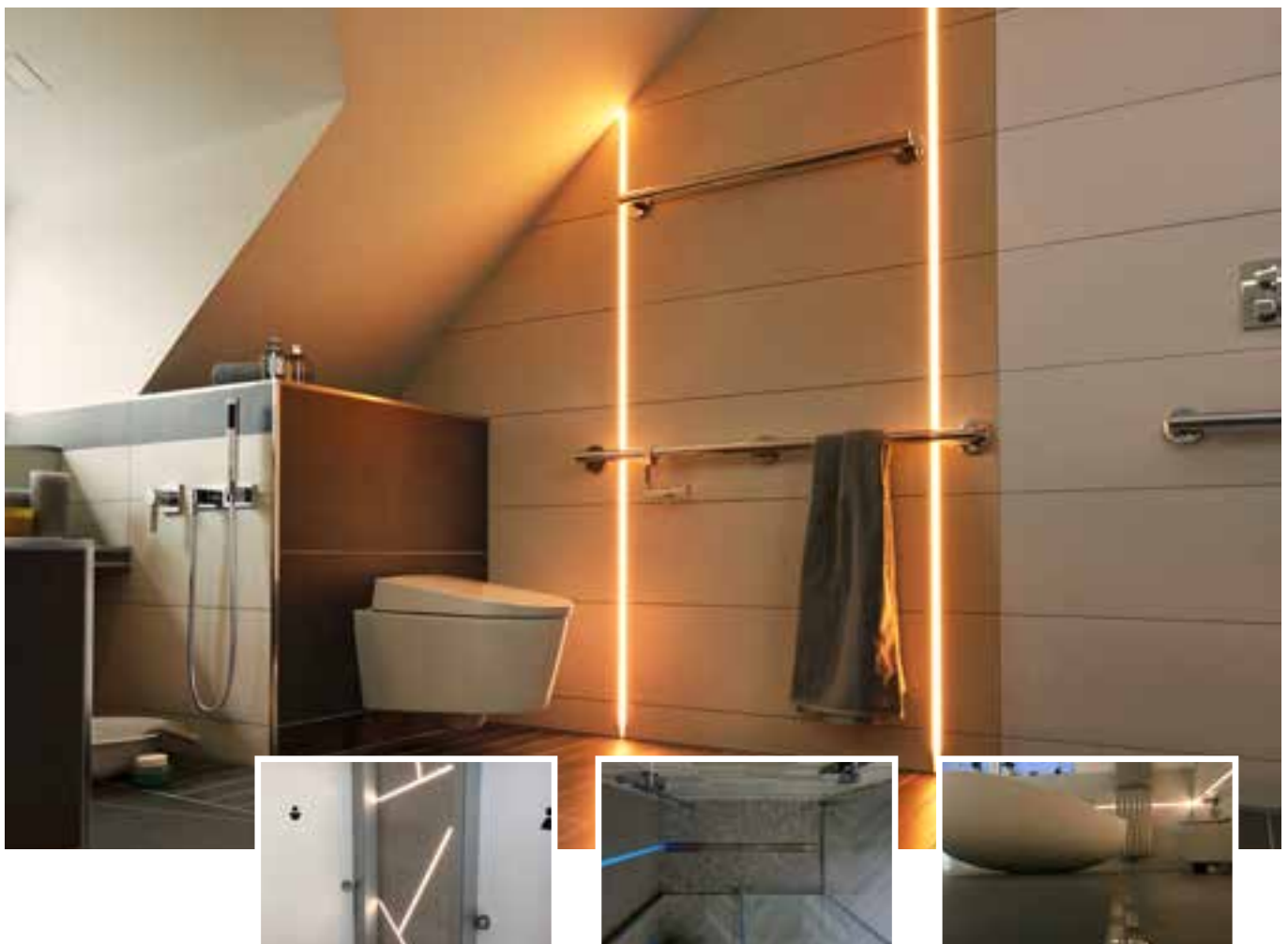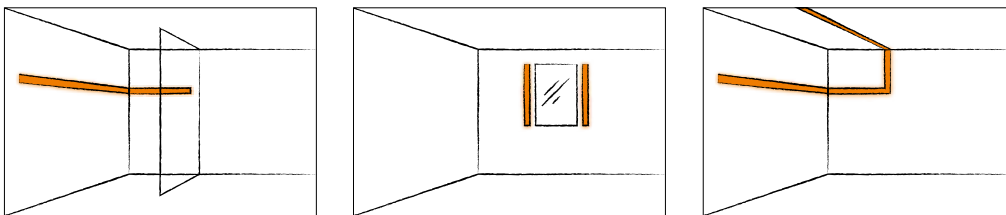
EASY

PRO

PLAN

13

Schlüter®-LIPROTEC-LLPE

Schlüter-LIPROTEC-LLPE are LED modules consisting of a flexible, encapsulated LED strips with homogenous light dispersion and a receptacle profile made of anodised aluminium. The LED module with RGB+W coloured light range makes it possible to choose from more than 16 million different hues and colour temperatures from 2500 K – 6500 K. With the LED module, accent lighting can be created at wall corners. It is suitable for use in internal and external corners in the shower, preferably with vertical alignment. *(Product data sheet 15.7)*

PLUG & PLAY LED MODULE RGB+W
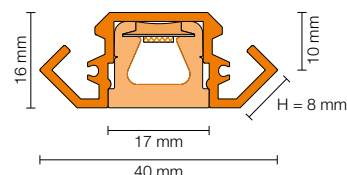
aluminium

Note: End caps incl. sealing compound for shortening the LED strip are included in the set.

TECHNICAL DATA OF THE INCLUDED LED MODULES

LT LLPE 9 (RGB+White)	
Dimensions of LED (b x h)	17 x 14.5 mm
Rated output	15 W/m
Number of LEDs	112/m
Colour temperature	RGB+W (2700 K)
CRI	85

Can be shortened every 62.5 mm

END CAPS

Schlüter®-LIPROTEC-LLE/EK

end cap, anodised aluminium

Art.-No.	€ / Unit	P (Unit)
EK / LT LLE / AE	11.50	50

Available in April 2019

PLUG & PLAY LED-MODUL *ALUMINIUM*

Material	Length (cm)	Type of light	Article number	€ / m	P (Units)
Aluminium	250	RGB+White	LL EP 4016 AE 9	145.00	10

APPLICATION AREAS
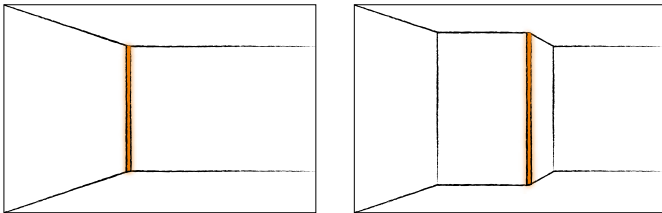
EASY

PRO

PLAN

PLUG & PLAY accessories

The plug-and-play system significantly simplifies combining the individual components. The schematic diagrams show a selection of combination options. Configure your individual light solution in the desired light hue. The respective system limits have to be taken into account.

LED MODULES WW / NW
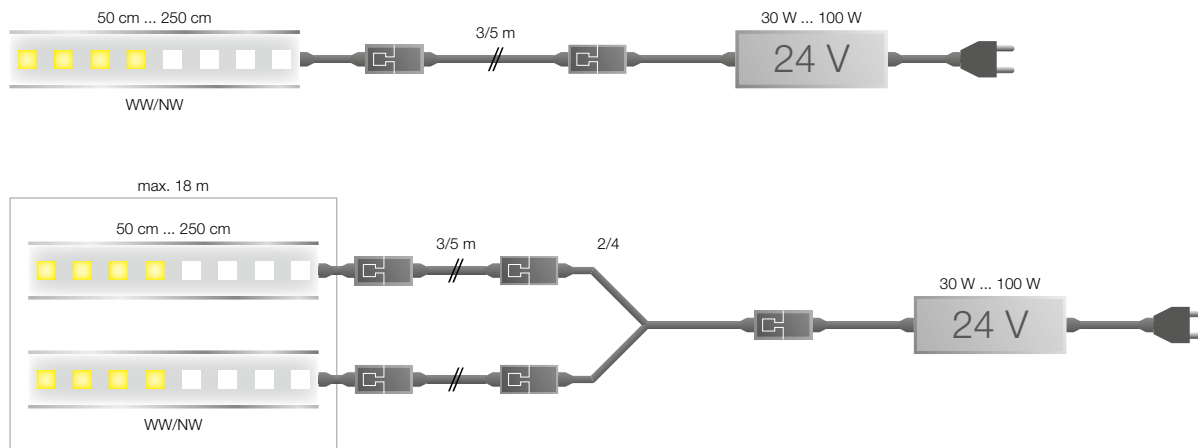
LED MODULES RGB+W
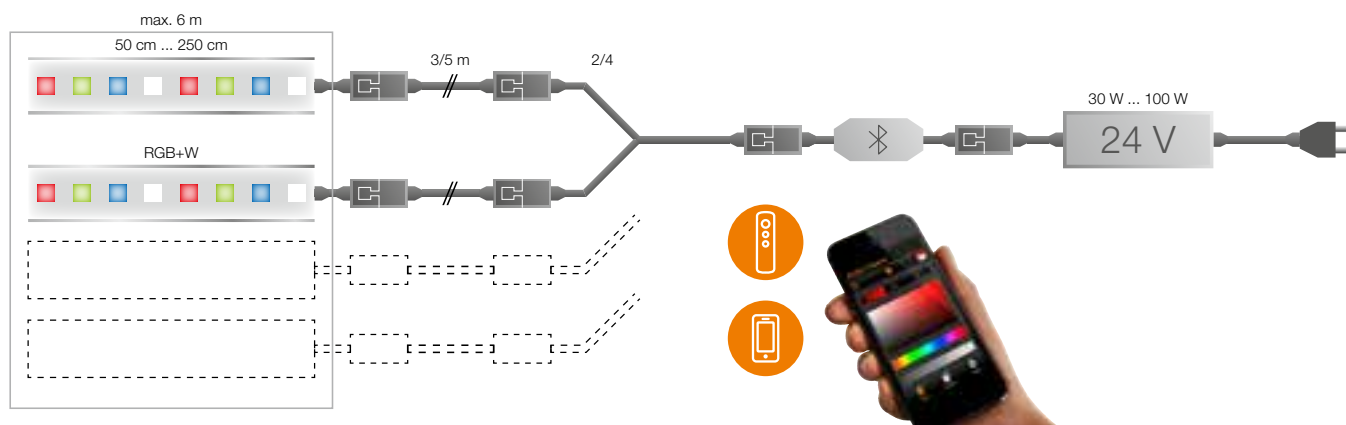
CONTROL

Schlüter-LIPROTEC-PEBR4 is a plug-and-play Bluetooth/radio receiver for controlling up to 6 m of RGB+W LED modules using the included radio remote control or via suitable Bluetooth on smartphones or tablets. The receiver is operated via Bluetooth by means of the Schlüter LED Colour Control app, which is downloadable for free for both Android and iOS devices. Up to two end devices can be simultaneously coupled with the receiver. In excess of 16 million colours and white tones with variable colour temperatures can be set with the RGB+W LED modules. A preselection of white and coloured hues is possible, these can be stored as favourites in the app. 42 different colour sequences are preprogrammed and can be played at variable speeds. The very compact dimensions of the Bluetooth receiver enable space-saving installation.

We recommend using an on-site light switch to optimise operating convenience.

For the technical data, refer to page 65.
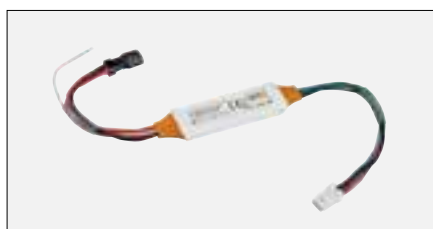
Schlüter®-LIPROTEC-PEBR4

plug-and-play Bluetooth receivers		
Art.-No.	€ / Unit	P (Unit)
LT PEBR 4	175.00	10

www.schlueter-systems.com/app/

Available in **April 2019**

POWER SUPPLY UNITS

Power supply units convert the main voltage to the 24 V required by the LED strips. They are easy to install and available in different wattages from 30 to 100 W for LED strips up to 6/18 linear metres. They are equipped with a connection cable with Euro plug, as well as plug-and-play connectors for the Schlüter-LIPROTEC-EASY system.

30 W

75 W

50 W
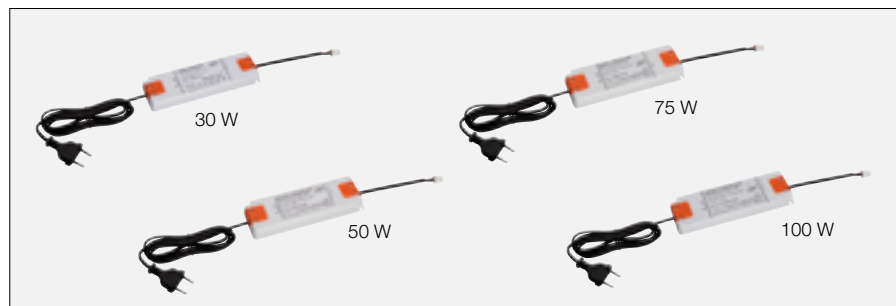
100 W

Schlüter®-LIPROTEC-PEKE

plug-and-play power supply, 24 V DC, with Euro plug and plug-and-play connector

Watts	max. Watts*	Art.-No.	€ / Unit	P (Unit)
30	27	LT PEKE 24V 30W	68.00	10
50	45	LT PEKE 24V 50W	84.00	10
75	67.5	LT PEKE 24V 75W	110.00	10
100	90	LT PEKE 24V 100W	154.00	10

* A safety reserve has to be taken into account when selecting the power supply unit (see maximum load of the corresponding power supply unit).

CABLES / DISTRIBUTORS

Schlüter-LIPROTEC-PZK is a plug-and-play cable, available in lengths of 3 and 5 m, for connecting the power supply unit or Bluetooth receiver and the plug-and-play LED module.
Schlüter-LIPROTEC-PZV is a plug-and-play distributor for connecting 2 or 4 additional plug-and-play LED modules to an installation.

Schlüter®-LIPROTEC-PZK

plug-and-play cables

L (cm)	Art.-No.	€ / Unit	P (Unit)
300	LT PZK 3M	21.00	10
500	LT PZK 5M	25.00	10
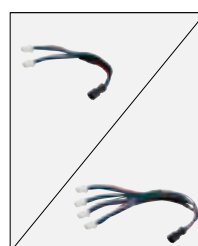
Schlüter®-LIPROTEC-PZV

plug-and-play distributor

Connections	Art.-No.	€ / Unit	P (Unit)
2	LT PZV 2	20.50	10
4	LT PZV 4	31.00	10

Note: The max. combined cable lengths should not exceed 10 m.

ADDITIONAL ACCESSORIES

Schlüter-LIPROTEC-PZH is a hollow wall junction box with welded-on Schlüter-KERDI sealing collar for use with tile surfaces. It creates a hollow space for plug connections, to reversibly install the plug-and-play LED modules, and is fastened with suitable tile adhesive or with Schlüter-KERDI-COLL-L.
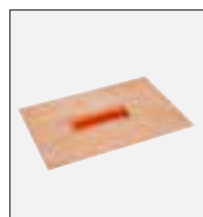
Schlüter®-LIPROTEC-PZH

plug-and-play hollow-wall box

B x H x T (mm)	Art.-No.	€ / Set	P (Set)
235 x 140 x 19	LT PZ HD 25	22.00	10
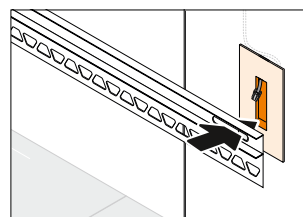
Schlüter-PROCUT is special scissors for accurately shortening the LED strips. To ensure that the LED strip retains IP-compliant tightness when it is shortened, it has to be cut at a 45° angle and sealed with the end caps and sealing adhesive included in the set.

Schlüter®-PROCUT-PSF

profile cutter, joint spacer

Art.-No.	€ / Unit	P (Unit)
PSF	59.26	10

EASY

PRO

PLAN

PRO

With the plug-and-play sets from the EASY section, you can create a variety of individual light installations with ceramics and natural stone. But Schlüter-LIPROTEC offers a lot more. On the following pages, in the PRO section, you can combine profiles, LED strips, diffuser lenses, control equipment and accessories for individual projects.
On page 4 and 5, you can find an orientation aid for identifying which profile is suitable for which application.

PLUG & PLAY

PROFILE

CONTROL

ACCESSORIES

PRO

PLAN

FIND OUT MORE AT:

WWW.LIPROTEC.CO.UK

Schlüter®-LIPROTEC-LL

You can create a wide variety of individual, linear accent lighting with Schlüter-LIPROTEC-LL. With its discreet, U-formed section, LIPROTEC-LL is suitable for many different installation situations in new buildings and with renovations.

PLUG & PLAY
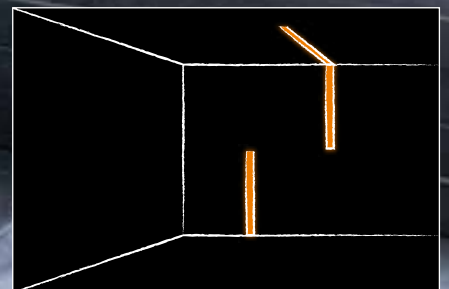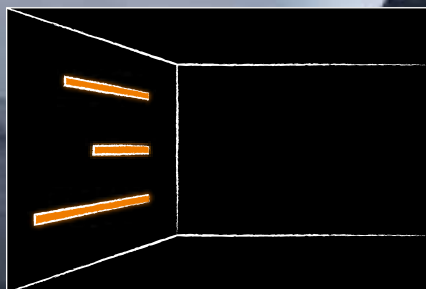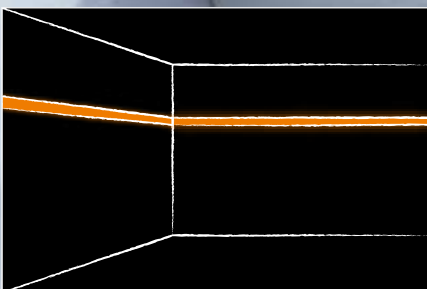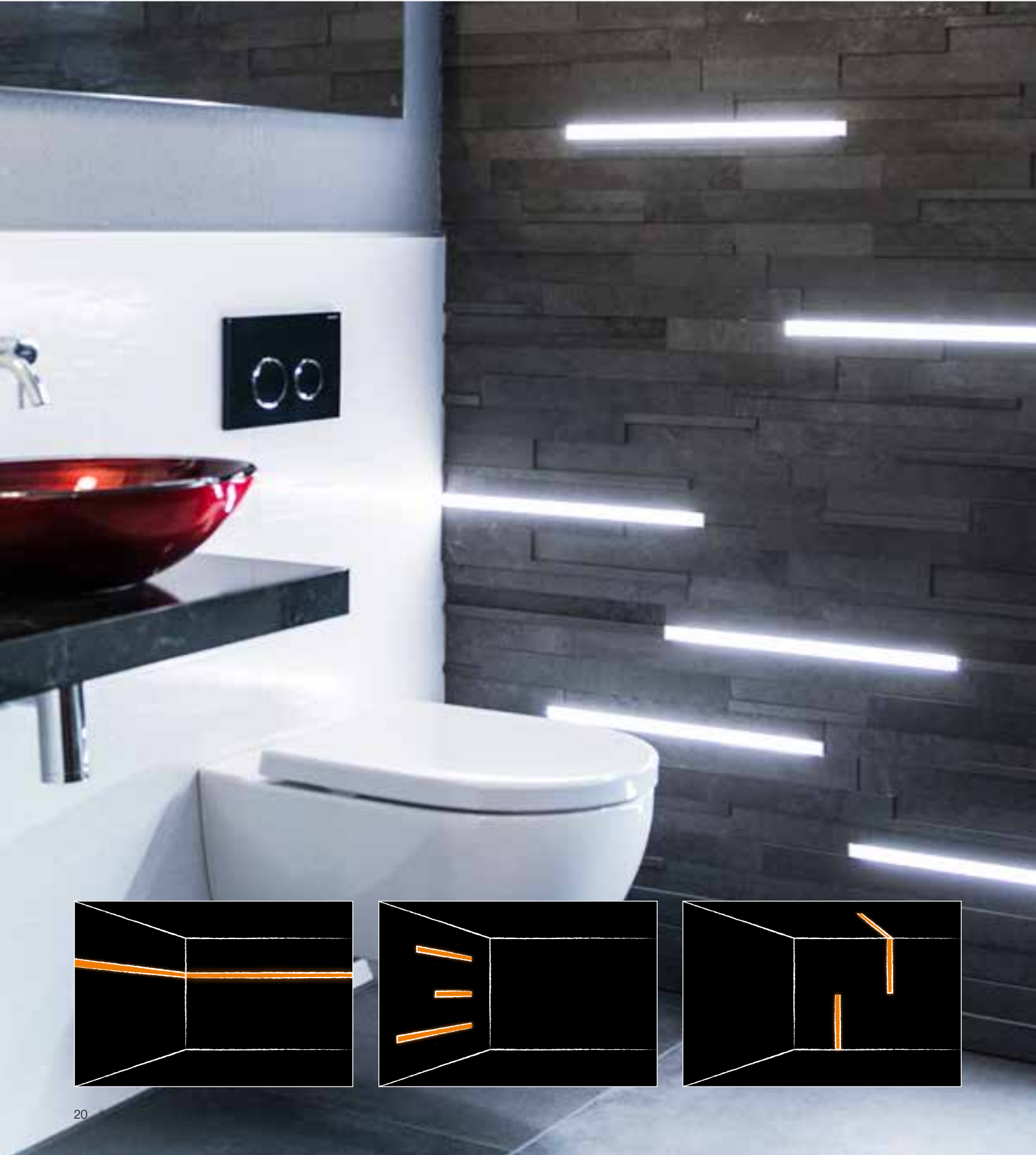
For explanations of the symbols, refer to page 92/93.

A real multi-talent!

Schlüter-LIPROTEC-LL is a high-quality, anodised aluminium carrier profile for creating accent lighting in wall coverings and ceilings. The illumination is provided by Schlüter-LIPROTEC-ES LED strips laid into the U-shaped profile, in combination with the corresponding diffuser lens. Various direct or indirect light effects are created according to the positioning of the profile.
(Product data sheet 15.5)

Application areas:

✓ Linear light borders

✓ Illuminated borders in wall coverings

✓ Illuminated niche constructions
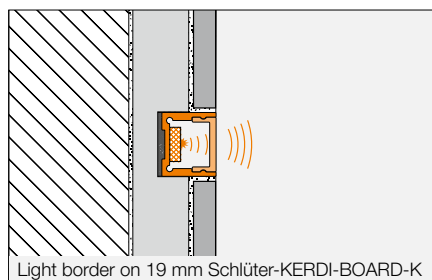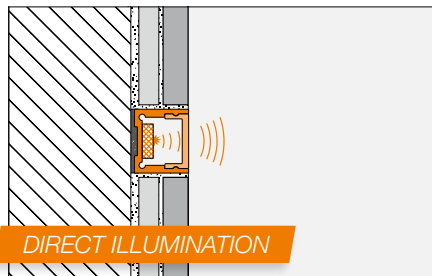
1 Schlüter-LIPROTEC-LL profile

2 LED strip

3 Diffuser lens (direct illumination)

DIRECT ILLUMINATION

Light border on 19 mm Schlüter-KERDI-BOARD-K

Note: Only suitable for vertical installation in the shower. For horizontal installation, we recommend our LED module LIPROTEC-LLPM on page 10.

PRO

PLAN

Schlüter®-LIPROTEC-LL

PROFILES
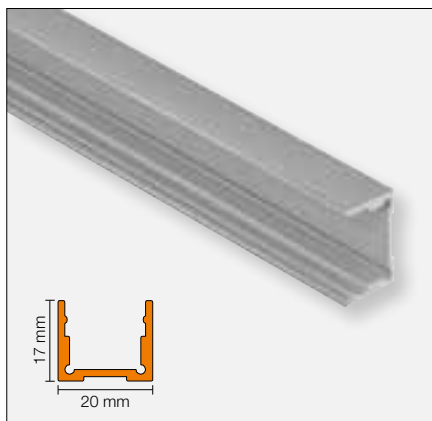
Schlüter®-LIPROTEC-LL

anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT LL 2017 AE	19.57	60
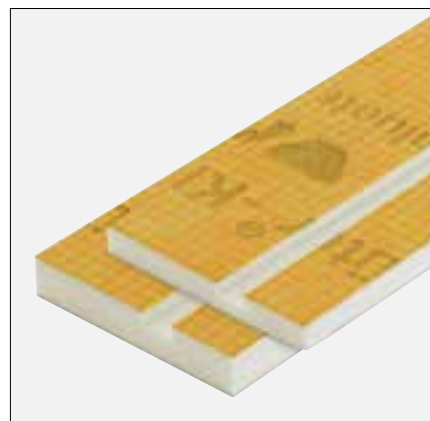
For simplified installation, we recommend our Schlüter-KERDI-BOARD-K installation modules on page 71.

DIFFUSER LENS
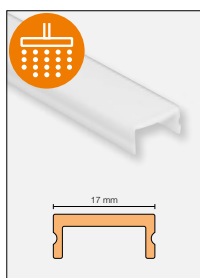
Schlüter®-LIPROTEC-WSI

diffuser lens			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS I 20	16.32	60

END CAPS

Schlüter®-LIPROTEC-WS/EK

end cap, anodised aluminium, indirect illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
17	EK / LT WS I AE 20	12.78	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

PLUG & PLAY

PRO

PLAN

| RGB+W CONTROLLABLE | WARM WHITE | NEUTRAL WHITE |

LED STRIP

 IP67

 IP67

 IP67

Schlüter®-LIPROTEC-ES

LED strips, RGB+W controllable, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 9/400	82.00	10
250	LT ES 9	83.19	10
200	LT ES 9/200	83.19	10
150	LT ES 9/150	88.40	10
100	LT ES 9/100	88.40	10
50	LT ES 9/50	95.67	10

Max. length in the LIPROTEC system: 12 m
Connection length: 3 m

LT ES 9	
Dimensions (b x h):	15 x 5 mm
Rated output	15 W/m
Number of LEDs	192/m (96 RGB + 96 W)
Colour temperature	RGB+W (2700 K)
CRI	85

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 11/400	47.00	10
250	LT ES 11	50.00	10
200	LT ES 11/200	52.50	10
150	LT ES 11/150	57.50	10
100	LT ES 11/100	61.00	10
50	LT ES 11/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 1 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 21/400	47.00	10
250	LT ES 21	50.00	10
200	LT ES 21/200	52.50	10
150	LT ES 21/150	57.50	10
100	LT ES 21/100	61.00	10
50	LT ES 21/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 2 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

Schlüter®-LIPROTEC-LLE

Accent lighting for tile surfaces and much more: Schlüter-LIPROTEC-LLE is our first light profile that can not only be embedded in tiling, but also be used on any other suitable substrate, thanks to an intelligent clip system. LIPROTEC-LLE can be used both for internal and external corners details, as well as in shower areas (if mounted vertically) – a true multi-talent.
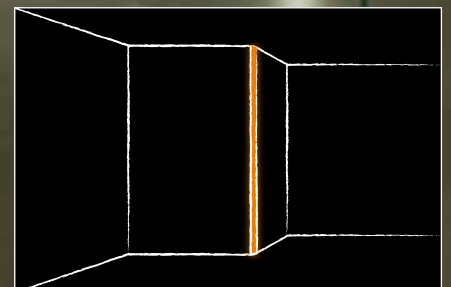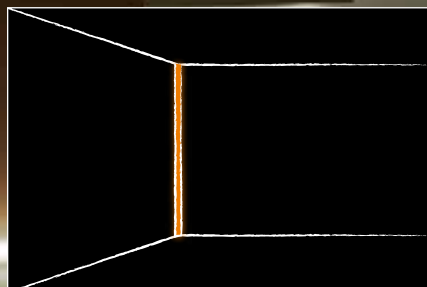
Re-imagine rooms

Schlüter-LIPROTEC-LLE is a high-quality carrier profile made of anodised or white coated aluminium for mounting the Schlüter-LIPROTEC-ES LED strips. The profile is designed to create accent lighting in wall corners. It is suitable for use in internal and external corners in horizontal or vertical alignment. With the respective pre-fabricated parts, continuous installations around corners are also possible. The profile can either be simply attached to any suitable substrate with a clip system or is embedded in the tile adhesive. For lighting, the selected LIPROTEC-ES LED strip is adhered within the profile and covered with the corresponding diffuser lens.
(Product data sheet 15.7)

For explanations of the symbols, refer to page 92/93.

1 Schlüter-LIPROTEC-LLE profile
2 LED strip
3 Diffuser lens (direct illumination)

Application areas:

✓ Linear light, vertical in the shower

✓ Linear light along the ceiling

✓ Accent lighting on the corner
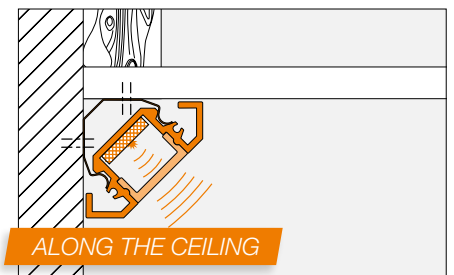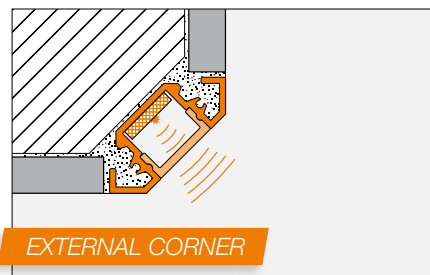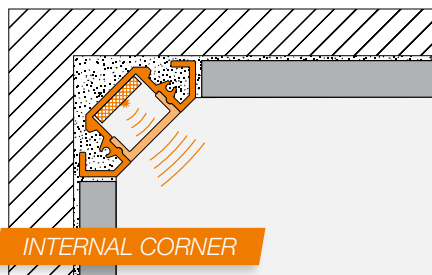
INTERNAL CORNER

EXTERNAL CORNER

ALONG THE CEILING

Note: Only suitable for vertical installation in the shower. For horizontal installation, we recommend our LED module LIPROTEC-LLPM on page 10.

PRO

PLAN

Schlüter®-LIPROTEC-LLE

PROFILES
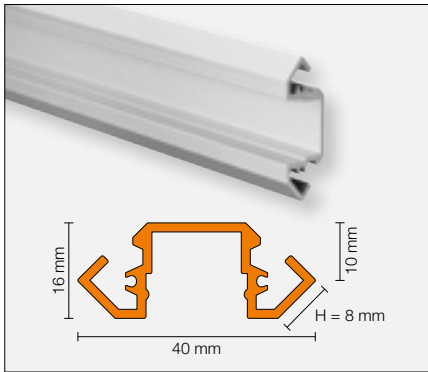
Schlüter®-LIPROTEC-LLE			
anodised aluminium			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
8	LT LLE 4016 AE	23.50	60

Schlüter®-LIPROTEC-LLE-AC			
colour coated aluminium			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
8	LT LLE 4016 MBW	25.00	60

DIFFUSER LENS
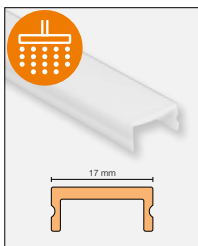
Schlüter®-LIPROTEC-WSI			
diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS I 20	16.32	60

MOUNTING AID

Schlüter®-LIPROTEC-LLE/MK		
installation clip		
Art.-No.	€ / Set	P (Set)
LT LLE MK	3.95	50

Note: Installation clip incl. attachment material; recommended installation clip spacing: every 50 cm.

END CAPS / CORNERS

Schlüter®-LIPROTEC-LLE/EK		
end cap, anodised aluminium		
Art.-No.	€ / Unit	P (Units)
EK / LT LLE / AE	11.50	50

Schlüter®-LIPROTEC-LLE-AC/EK		
end cap, colour coated aluminium		
Art.-No.	€ / Unit	P (Units)
EK / LT LLE / MBW	12.75	50

Schlüter®-LIPROTEC-LLE/E		
90° external corner, ABS appearance		
Art.-No.	€ / Unit	P (Units)
E / LT LLE / AE	5.15	50

Schlüter®-LIPROTEC-LLE-AC/E		
90° external corner, ABS		
Art.-No.	€ / Unit	P (Units)
E / LT LLE / MBW	5.15	50
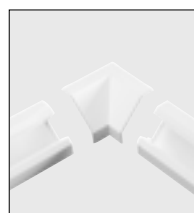
Schlüter®-LIPROTEC-LLE/I		
90° internal corner, ABS appearance		
Art.-No.	€ / Unit	P (Units)
I / LT LLE / AE	5.15	50

Schlüter®-LIPROTEC-LLE-AC/I		
90° internal corner, ABS		
Art.-No.	€ / Unit	P (Units)
I / LT LLE / MBW	5.15	50

Note: The external and internal corners are designed for horizontal installation along the wall only. The profile may not be embedded in the tiling.

ACCESSORIES

From page 62, you can find compatible accessories such as radio transmitters, receivers, power supply units and installation materials for perfectly rounding off your Schlüter-LIPROTEC lighting.

Profile packaging: bundle of 10

RGB+W CONTROLLABLE	WARM WHITE	NEUTRAL WHITE

LED STRIP

 IP67

 IP67

 IP67

Schlüter®-LIPROTEC-ES

LED strips, RGB+W controllable, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 9/400	82.00	10
250	LT ES 9	83.19	10
200	LT ES 9/200	83.19	10
150	LT ES 9/150	88.40	10
100	LT ES 9/100	88.40	10
50	LT ES 9/50	95.67	10

Max. length in the LIPROTEC system: 12 m
Connection length: 3 m

LT ES 9	
Dimensions (b x h):	15 x 5 mm
Rated output	15 W/m
Number of LEDs	192/m (96 RGB + 96 W)
Colour temperature	RGB+W (2700 K)
CRI	85

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 11/400	47.00	10
250	LT ES 11	50.00	10
200	LT ES 11/200	52.50	10
150	LT ES 11/150	57.50	10
100	LT ES 11/100	61.00	10
50	LT ES 11/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 1 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 21/400	47.00	10
250	LT ES 21	50.00	10
200	LT ES 21/200	52.50	10
150	LT ES 21/150	57.50	10
100	LT ES 21/100	61.00	10
50	LT ES 21/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 2 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

PLUG & PLAY

PRO

PLAN

Schlüter®-LIPROTEC-WS

Providing accent lighting of components and wall panels with atmospheric LED light is the domain of the trusted Schlüter-LIPROTEC-WS profile. They can be combined with diffuser lenses for either indirect or direct light to create individual light experiences in combination with exquisite tiles or natural stone plates.

PLUG & PLAY

PRO

PLAN

Building with light

Schlüter-LIPROTEC-WS is a high-quality carrier profile of anodised aluminium for illuminating protruding wall panels with various Schlüter-LIPROTEC-ES LED strips integrated into the profile. Differing light effects are created in combination with two different diffuser lenses. The assembly can be used to create recessed direct or indirect lighting for on-wall structures. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.
(Product data sheet 15.2)

Application areas:

✓ Elements

✓ Wall panels

✓ On-wall features

✓ Cove lighting

✓ Light strips

INDIRECT ILLUMINATION

DIRECT ILLUMINATION

1 Schlüter-LIPROTEC-WS profile

2 LED strip

3 Diffuser lens (indirect illumination)

4 Diffuser lens (direct illumination)

Note: The diffuser lens for indirect lighting is only suitable for vertical installation in the shower.
The diffuser lens for direct lighting is only suitable for installation outside of areas that are subjected to moisture.

29

Schlüter®-LIPROTEC-WS

PROFILES

Schlüter®-LIPROTEC-WS

anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS 20 AE	20.93	60
1.5	LT WS 20 AE/150	20.93	60
1	LT WS 20 AE/100	20.93	60

i

To achieve adhesive bonding between the smooth aluminium surface and the tile, the self-adhesive fleece Schlüter-DESIGNBASE-HVL 38/20M is fitted (see page 71).
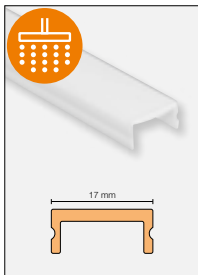
DIFFUSER LENSES

Schlüter®-LIPROTEC-WSI

diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS I 20	16.32	60
1.5	LT WS I 20/150	16.32	60
1	LT WS I 20/100	16.32	60
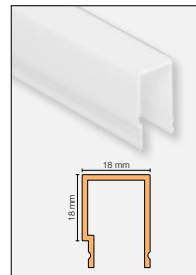
Schlüter®-LIPROTEC-WSD

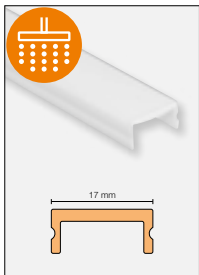| diffuser lens, direct illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS D 20	18.88	60
1.5	LT WS D 20/150	18.88	60
1	LT WS D 20/100	18.88	60

END CAPS

Schlüter®-LIPROTEC-WS/EK

end cap, anodised aluminium, indirect illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
17	EK / LT WS I AE 20	12.78	50

Schlüter®-LIPROTEC-WS/EK

end cap anodised aluminium, direct illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
35	EK / LT WS D AE 20	13.70	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

PLUG & PLAY

PRO

PLAN

| RGB+W CONTROLLABLE | WARM WHITE | NEUTRAL WHITE |

LED STRIP

✂ **IP67**

✂ **IP67**

✂ **IP67**

Schlüter®-LIPROTEC-ES

LED strips, RGB+W controllable, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 9/400	82.00	10
250	LT ES 9	83.19	10
200	LT ES 9/200	83.19	10
150	LT ES 9/150	88.40	10
100	LT ES 9/100	88.40	10
50	LT ES 9/50	95.67	10

Max. length in the LIPROTEC system: 12 m
Connection length: 3 m

LT ES 9	
Dimensions (b x h):	15 x 5 mm
Rated output	15 W/m
Number of LEDs	192/m (96 RGB + 96 W)
Colour temperature	RGB+W (2700 K)
CRI	85

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 11/400	47.00	10
250	LT ES 11	50.00	10
200	LT ES 11/200	52.50	10
150	LT ES 11/150	57.50	10
100	LT ES 11/100	61.00	10
50	LT ES 11/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 1 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L = (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 21/400	47.00	10
250	LT ES 21	50.00	10
200	LT ES 21/200	52.50	10
150	LT ES 21/150	57.50	10
100	LT ES 21/100	61.00	10
50	LT ES 21/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 2 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

Schlüter®-LIPROTEC-WSK

Thought-through light design: An integrated cable duct, a support bracket for the tried-and-tested KERDI-BOARD (19 mm), diffuser lenses for direct and indirect illumination as desired – we have equipped the LIPROTEC-WSK products with features that make installation easier. And give the owner of the building an individual light experience that provides joy day for day.
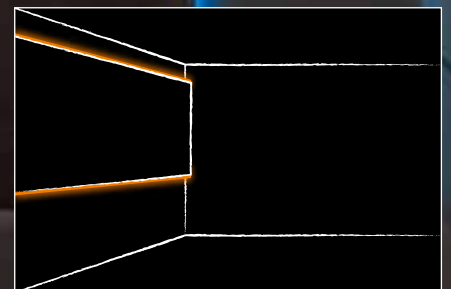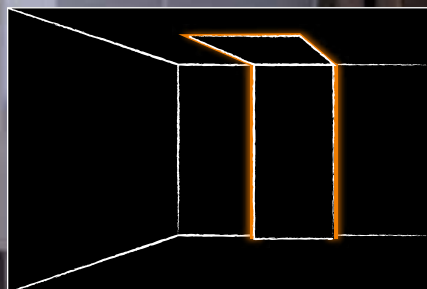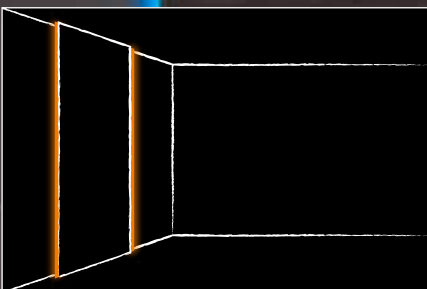
For explanations of the symbols, refer to page 92/93.

Accentuate!

Schlüter-LIPROTEC-WSK is a high-quality, anodised aluminium carrier profile for illuminating protruding wall panels with various Schlüter-LIPROTEC-ES LED strips laid into the profile. Differing light effects are created in combination with two different diffuser lenses. Recessed, indirect or narrow illumination for wall protrusions are created in this way. An integrated cable duct with milling grooves for cable installation and a support bracket for Schlüter-KERDI-BOARD (19 mm) aid the installation process.
(Product data sheet 15.2)

Application areas:

✓ Elements

✓ Wall panels

✓ On-wall features

✓ Cove lighting

✓ Light strips

INDIRECT ILLUMINATION

1 Schlüter-LIPROTEC-WSK profile

2 LED strip
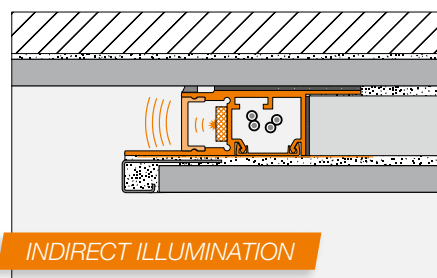
3 Diffuser lens (indirect illumination)

Note: The diffuser lens for indirect lighting is only suitable for vertical installation in the shower.
The diffuser lens for direct lighting is only suitable for installation outside of areas that are subjected to moisture.

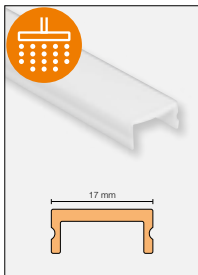# Schlüter®-LIPROTEC-WSK

PROFILES
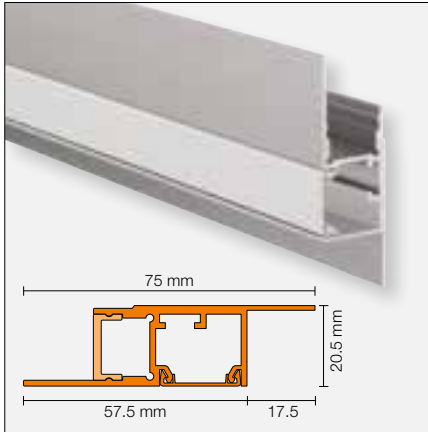
Schlüter®-LIPROTEC-WSK

anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	WS 20 K1 AAE	33.62	60

i

To achieve adhesive bonding between the smooth aluminium surface and the tile, the self-adhesive fleece Schlüter-DESIGNBASE-HVL 38/20M is fitted (see page 71).
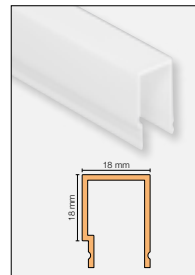
DIFFUSER LENSES

Schlüter®-LIPROTEC-WSI

diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS I 20	16.32	60

Schlüter®-LIPROTEC-WSD

diffuser lens, direct illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS D 20	18.88	60

END CAPS

Schlüter®-LIPROTEC-WS/EK

end cap, anodised aluminium, indirect illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
17	EK / LT WS I AE 20	12.78	50

Schlüter®-LIPROTEC-WS/EK

end cap anodised aluminium, direct illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
35	EK / LT WS D AE 20	13.70	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

PLUG & PLAY

PRO

PLAN

RGB+W CONTROLLABLE	WARM WHITE	NEUTRAL WHITE

LED STRIP

Schlüter®-LIPROTEC-ES

LED strips, RGB+W controllable, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 9/400	82.00	10
250	LT ES 9	83.19	10
200	LT ES 9/200	83.19	10
150	LT ES 9/150	88.40	10
100	LT ES 9/100	88.40	10
50	LT ES 9/50	95.67	10

Max. length in the LIPROTEC system: 12 m
Connection length: 3 m

LT ES 9	
Dimensions (b x h):	15 x 5 mm
Rated output	15 W/m
Number of LEDs	192/m (96 RGB + 96 W)
Colour temperature	RGB+W (2700 K)
CRI	85

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 11/400	47.00	10
250	LT ES 11	50.00	10
200	LT ES 11/200	52.50	10
150	LT ES 11/150	57.50	10
100	LT ES 11/100	61.00	10
50	LT ES 11/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 1 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 21/400	47.00	10
250	LT ES 21	50.00	10
200	LT ES 21/200	52.50	10
150	LT ES 21/150	57.50	10
100	LT ES 21/100	61.00	10
50	LT ES 21/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 2 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL


You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

Schlüter®-LIPROTEC-WSQ

Accent lighting with integrated cover finish: Schlüter-LIPROTEC-WSQ combines atmospheric LED illumination for bathtubs, prewall installations and wall panels with an elegant cover finish in timeless QUADEC design. Different diffuser lenses for indirect or direct light make it possible to use the LIPROTEC-WSQ for individual light design.

Building with light

Schlüter-LIPROTEC-WSQ is a high-quality carrier profile of anodised aluminium for illuminating raised wall panels with various Schlüter-LIPROTEC-ES LED strips integrated into the profile. Differing light effects are created in combination with two different diffuser lenses. The assembly can be used to create recessed direct or indirect lighting for on-wall structures. LIPROTEC-WSQ features a formed cover finish with timelessly modern Schlüter-QUADEC design. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.
(Product data sheet 15.2)

Application areas:

✓ Elements

✓ Wall panels

✓ On-wall features

✓ Cove lighting

✓ Light strips

① Schlüter-LIPROTEC-WSQ profile

② LED strip

③ Diffuser lens (indirect illumination)

④ Diffuser lens (direct illumination)

INDIRECT ILLUMINATION

DIRECT ILLUMINATION

Note: The diffuser lens for indirect lighting is only suitable for vertical installation in the shower.
The diffuser lens for direct lighting is only suitable for installation outside of areas that are subjected to moisture.

For explanations of the symbols, refer to page 92/93.

Schlüter®-LIPROTEC-WSQ

PROFILES
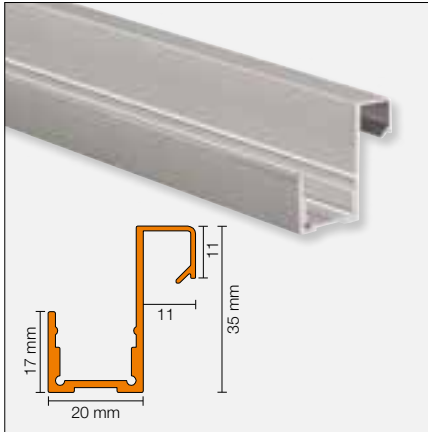
Schlüter®-LIPROTEC-WSQ

anodised aluminium, H = 11 mm			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	WS 20Q 110 AE	28.56	60

To achieve adhesive bonding between the smooth aluminium surface and the tile, the self-adhesive fleece Schlüter-DESIGNBASE-HVL 38/20M is fitted (see page 71).

DIFFUSER LENSES

Schlüter®-LIPROTEC-WSI

diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS I 20	16.32	60

Schlüter®-LIPROTEC-WSD

diffuser lens, direct illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT WS D 20	18.88	60

END CAPS

Schlüter®-LIPROTEC-WS/EK

end cap, anodised aluminium, indirect illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
17	EK / LT WS I AE 20	12.78	50

Schlüter®-LIPROTEC-WS/EK

end cap anodised aluminium, direct illumination			
H (mm)	Art.-No.	€ / Unit	P (Units)
35	EK / LT WS D AE 20	13.70	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

RGB+W CONTROLLABLE	WARM WHITE	NEUTRAL WHITE

LED STRIP

Schlüter®-LIPROTEC-ES

LED strips, RGB+W controllable, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 9/400	82.00	10
250	LT ES 9	83.19	10
200	LT ES 9/200	83.19	10
150	LT ES 9/150	88.40	10
100	LT ES 9/100	88.40	10
50	LT ES 9/50	95.67	10

Max. length in the LIPROTEC system: 12 m
Connection length: 3 m

LT ES 9	
Dimensions (b x h):	15 x 5 mm
Rated output	15 W/m
Number of LEDs	192/m (96 RGB + 96 W)
Colour temperature	RGB+W (2700 K)
CRI	85

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 11/400	47.00	10
250	LT ES 11	50.00	10
200	LT ES 11/200	52.50	10
150	LT ES 11/150	57.50	10
100	LT ES 11/100	61.00	10
50	LT ES 11/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 1 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 21/400	47.00	10
250	LT ES 21	50.00	10
200	LT ES 21/200	52.50	10
150	LT ES 21/150	57.50	10
100	LT ES 21/100	61.00	10
50	LT ES 21/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 2 1	
Dimensions (b x h):	12 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

PLUG & PLAY

PRO

PLAN

Schlüter®-LIPROTEC-PB

Schlüter-LIPROTEC-PB is our universal solution for illuminated step edges. From highlighting steps in a lobby to giving a reception desk a "floating" appearance, there are thousands of applications for the intelligent illumination technology of Schlüter-Systems. For step edges, combine LIPROTEC-PB with high-quality Schlüter-TREP profiles. For staircases, we recommend the new complete sets and combination sets on page 58.
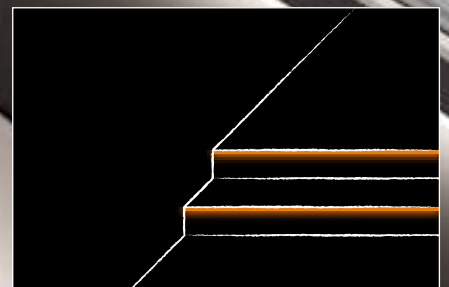
Step-by-step illumination

Schlüter-LIPROTEC-PB is a high-quality landing edge profile of anodised aluminium with a visible area of 25 mm. It is designed for mounting Schlüter-LIPROTEC-ES LED strips and can be used with Schlüter-TREP stair nosing profiles to create appealing lighting along the edges of platforms. Differing light effects are created in combination with two different diffuser lenses. Edges can either be illuminated indirectly or directly by adding a 3 mm light strip. Another application area of LIPROTEC-PB is the direct or indirect illumination of work surface front edges. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.
(Product data sheet 15.4)

Application areas:

✓ Platform step edges

INDIRECT ILLUMINATION

DIRECT ILLUMINATION
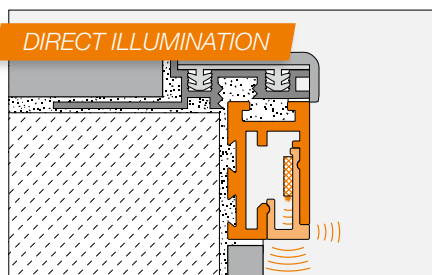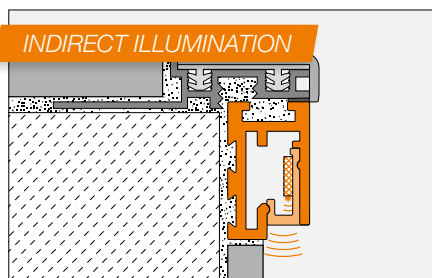
① Schlüter-LIPROTEC-PB profile

② LED strip

③ Diffuser lens (indirect illumination)

④ Diffuser lens (direct illumination)

PLUG & PLAY

PRO

PLAN

Schlüter®-LIPROTEC-PB

PROFILES
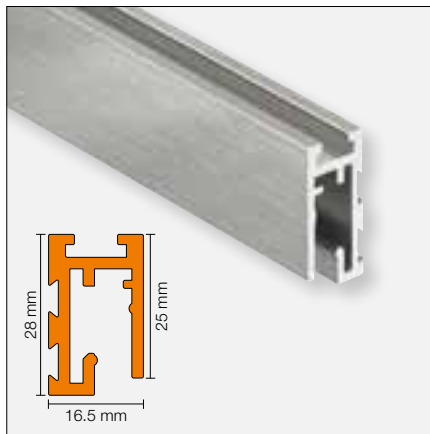
Schlüter®-LIPROTEC-PB

anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT PB 25 AE	23.92	60
1.5	LT PB 25 AE/150	23.92	60
1	LT PB 25 AE/100	23.92	60

Schlüter®-LIPROTEC-PB-AEEB

brushed stainless steel effect anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT PB 25 AEEB	28.19	60
1.5	LT PB 25 AEEB/150	28.19	60
1	LT PB 25 AEEB/100	28.19	60
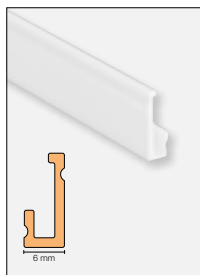
28 mm
25 mm
16.5 mm

DIFFUSER LENSES

Schlüter®-LIPROTEC-VBI

diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT VB I	16.03	60
1.5	LT VB I/150	16.03	60
1	LT VB I/100	16.03	60

6 mm
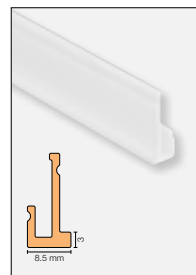
Schlüter®-LIPROTEC-PBD

diffuser lens, indirect + direct illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT PB D	16.15	60
1.5	LT PB D/150	16.15	60
1	LT PB D/100	16.15	60

8.5 mm

END CAPS

Schlüter®-LIPROTEC-PB/EK

end cap, anodised aluminium		
Art.-No.	€ / Unit	P (Units)
EK / LT PB AE	4.08	50

Schlüter®-LIPROTEC-PB-AEEB/EK

end cap, brushed stainless steel effect anodised aluminium		
Art.-No.	€ / Unit	P (Units)
EK / LT PB AEEB	4.79	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

| WARM WHITE | NEUTRAL WHITE |

LED STRIP

✂ **IP65**   ✂ **IP65**

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 51/400	47.00	10
250	LT ES 51	51.00	10
200	LT ES 51/200	53.00	10
150	LT ES 51/150	56.00	10
100	LT ES 51/100	62.00	10
50	LT ES 51/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 5 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3200 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 61/400	47.00	10
250	LT ES 61	51.00	10
200	LT ES 61/200	53.00	10
150	LT ES 61/150	56.00	10
100	LT ES 61/100	62.00	10
50	LT ES 61/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 6 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

43

Schlüter®-DESIGNBASE-QD

Timeless QUADEC design combined with modern LED technology: With Schlüter-DESIGNBASE-QD, illuminated skirtings and borders can be installed with ease. Create illuminated finishes for worktops or wall structures made of stud frame constructions or Schlüter-KERDI-BOARD in next to no time.
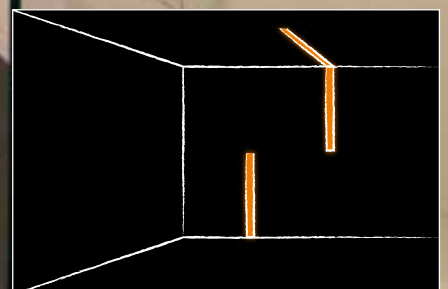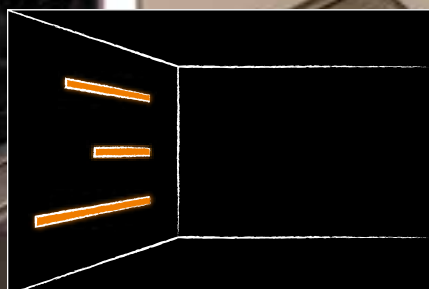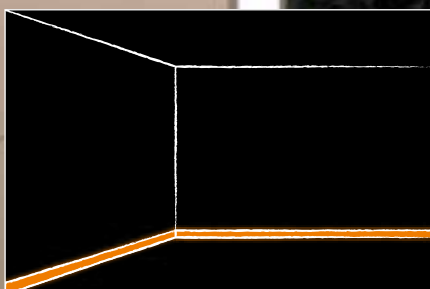
Defined by light

Schlüter-DESIGNBASE-QD is a high quality-profile of anodised aluminium for versatile applications. It is designed for mounting various Schlüter-LIPROTEC-ES LED strips as a skirting or border profile in wall areas. A 39 mm diffuser lens is then used between the approx. 10 mm wide visible areas of the profile to create direct illumination. Other decorative materials such as tiles or wooden elements can also be inserted in the open space. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation. *(Product data sheet 16.1)*

Application areas:

✓ Skirting

✓ Illuminated borders in wall coverings

DIRECT ILLUMINATION
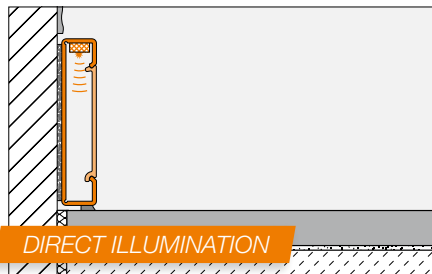
1 Profile AE

2 Profile AEEB

3 LED strip

4 Diffuser lens (direct illumination)

For explanations of the symbols, refer to page 92/93.

Note: Only suitable for vertical installation in the shower. For horizontal installation, we recommend our LED module LIPROTEC-LLPM on page 10.

PLUG & PLAY

PRO

PLAN

Schlüter®-DESIGNBASE-QD

PROFILES
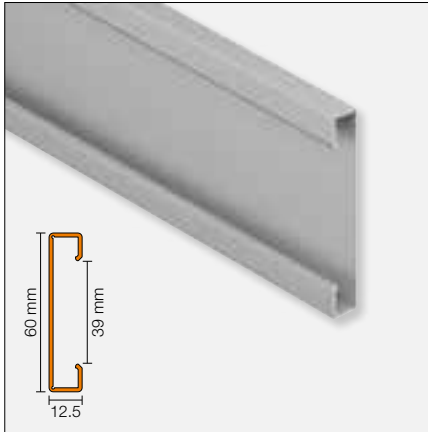
Schlüter®-DESIGNBASE-QD			
anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	DB Q1 AE	27.40	60

Schlüter®-DESIGNBASE-QD-AEEB			
brushed stainless steel effect anodised aluminium			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	DB Q1 AEEB	33.12	60

i

To achieve adhesive bonding between the smooth aluminium surface and the tile, the self-adhesive fleece Schlüter-DESIGNBASE-HVL 38/20M is fitted (see page 71).
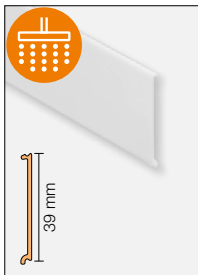
DIFFUSER LENS

Schlüter®-DESIGNBASE-QDD			
diffuser lens			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
39	LT FSS 39	16.85	60

i

To prevent a disruption of the light effect, the Schlüter-LIPROTEC-RKB self-adhesive, reflective tape is placed over drill holes or cables (see page 71).

END CAPS
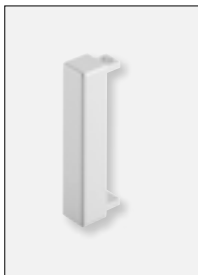
Schlüter®-DESIGNBASE-QD/E		
external corner, anodised aluminium		
Art.-No.	€ / Unit	P (Units)
EV / DB Q1 AE	24.18	50

Schlüter®-DESIGNBASE-QD-AEEB/E		
external corner, brushed stainless steel effect anodised aluminium		
Art.-No.	€ / Unit	P (Units)
EV / DB Q1 AEEB	29.18	50

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

PLUG & PLAY

PRO

PLAN

WARM WHITE	NEUTRAL WHITE

LED STRIP

IP67

IP67
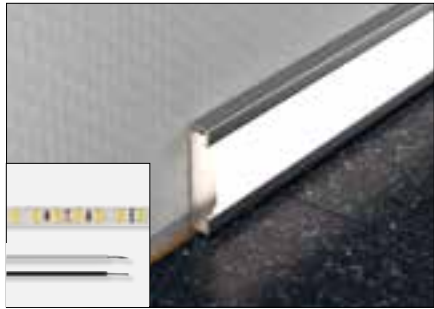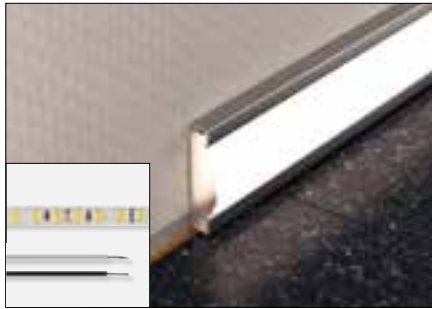
Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 31/400	47.00	10
250	LT ES 31	50.00	10
200	LT ES 31/200	52.50	10
150	LT ES 31/150	57.50	10
100	LT ES 31/100	61.00	10
50	LT ES 31/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 3 1	
Dimensions (b x h):	7 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3400 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 41/400	47.00	10
250	LT ES 41	50.00	10
200	LT ES 41/200	52.50	10
150	LT ES 41/150	57.50	10
100	LT ES 41/100	61.00	10
50	LT ES 41/50	69.00	10

Max. length in the LIPROTEC system: 24 m
Connection length: 3 m

LT ES 4 1	
Dimensions (b x h):	7 x 5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

Schlüter®-LIPROTEC-VB

Schlüter-LIPROTEC-VB not only is an elegant aluminium finishing profile for tiling – it also allows for integration of decorative accents in the tiling: for example by lighting the ceiling indirectly or as an illuminated guiding strip on the skirting tiles. Four different heights are available. Thanks to the installation height of just 3.5 mm, the Sideview-LED strips specifically designed for Schlüter-Systems are suitable for particularly detailed arrangements and lighting effects.
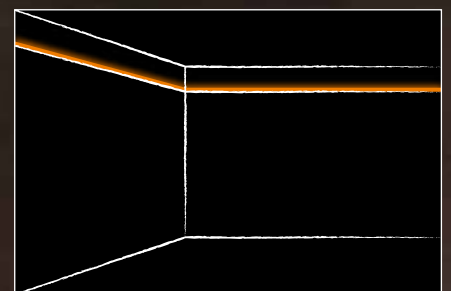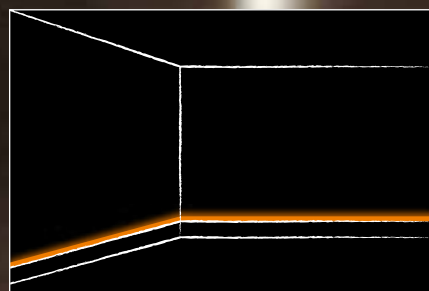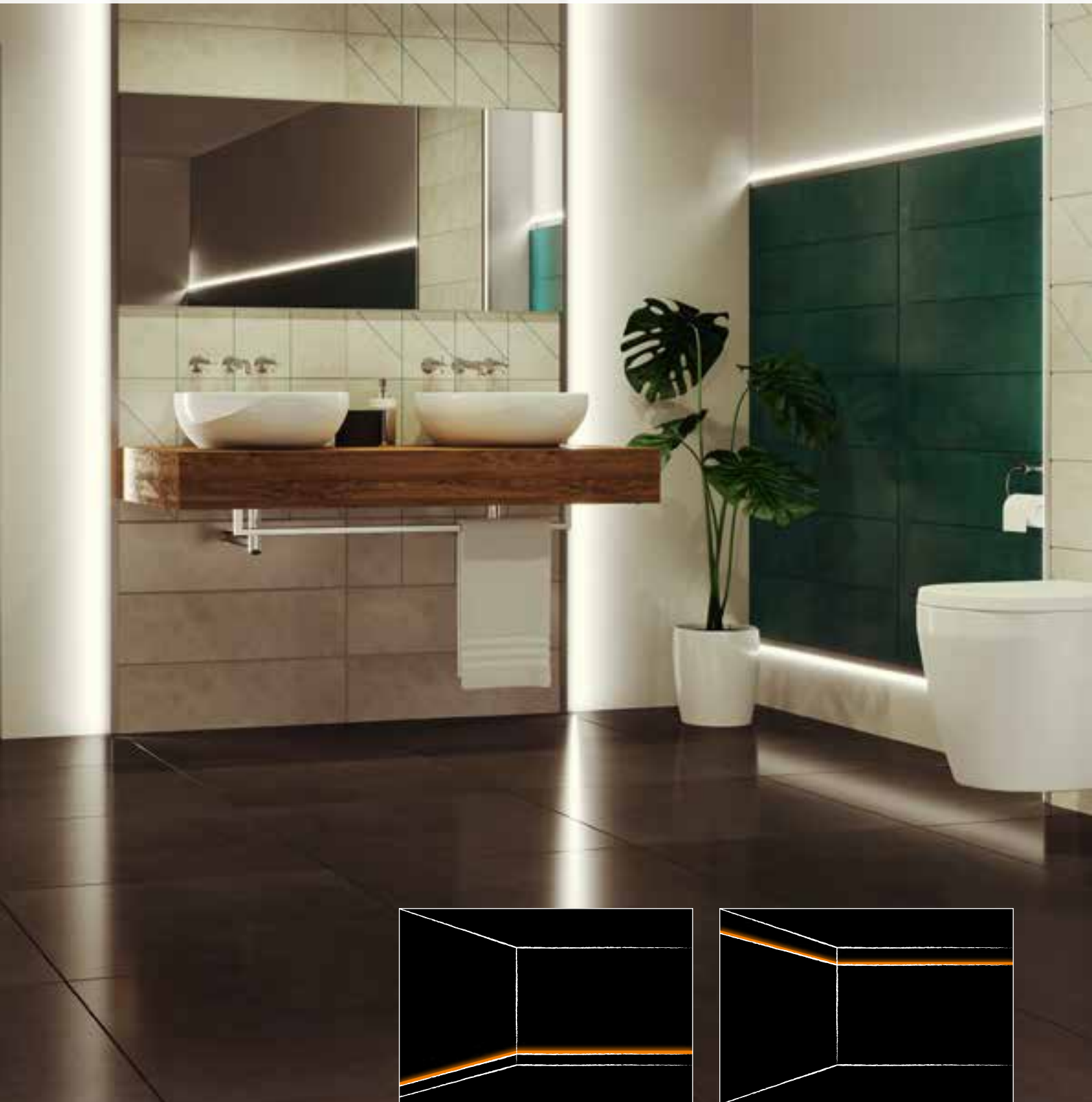
Light from within the tile!

Schlüter-LIPROTEC-VB is a high-quality tile finishing profile for wall areas, with a visible area of 25 mm. It is designed for mounting Schlüter-LIPROTEC-ES LED strips and can be used to create varying light effects in combination with two different diffuser lenses. Indirect light can either radiate from the profile edge to the ceiling via adjoining materials or along the skirting. Additionally, a 3 mm light strip can create direct light. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.
(Product data sheet 15.1)

Application areas:

✓ Wall coverings:

✓ Skirting

INDIRECT ILLUMINATION

DIRECT ILLUMINATION
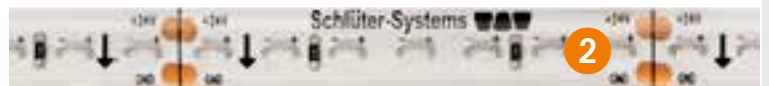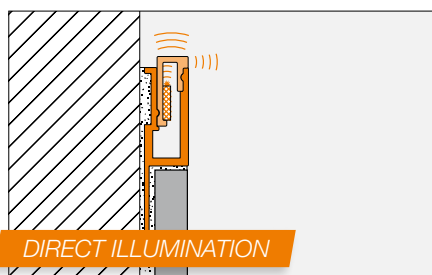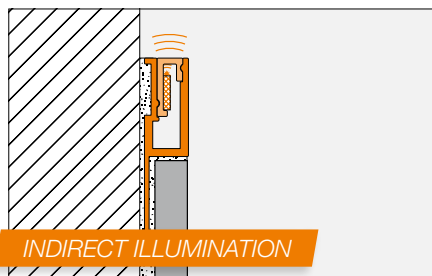
1 Schlüter-LIPROTEC-VB profile

2 LED strip

3 Diffuser lens (indirect illumination)

4 Diffuser lens (direct illumination)

PLUG & PLAY

PRO

PLAN

49

Schlüter®-LIPROTEC-VB

PROFILES
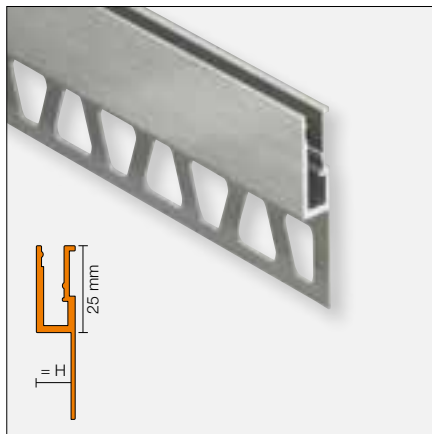
Schlüter®-LIPROTEC-VB

anodised aluminium			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
8	LT VB 80 AE	20.93	60
10	LT VB 100 AE	21.69	60
11	LT VB 110 AE	22.28	60
12.5	LT VB 125 AE	23.11	60

Schlüter®-LIPROTEC-VB-AEEB

brushed stainless steel effect anodised aluminium			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
8	LT VB 80 AEEB	25.01	60
10	LT VB 100 AEEB	25.80	60
11	LT VB 110 AEEB	26.48	60
12.5	LT VB 125 AEEB	27.67	60

DIFFUSER LENSES
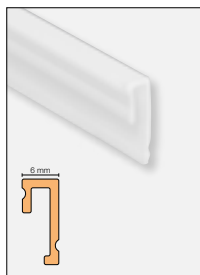
Schlüter®-LIPROTEC-VBI

diffuser lens, indirect illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT VB I	16.03	60
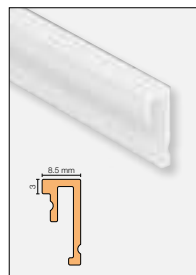
Schlüter®-LIPROTEC-VBD

diffuser lens, direct illumination			
L (m)	Art.-No.	€ / m	KV (Units)
2.5	LT VB D	16.03	60

Note: The cable feed of the LED strip that radiates light sideways is always on one side only, at the right. The light shines upward.

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

WARM WHITE	NEUTRAL WHITE

LED STRIP

 IP65 ✂

 IP65 ✂

Schlüter®-LIPROTEC-ES
LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 51/400	47.00	10
250	LT ES 51	51.00	10
200	LT ES 51/200	53.00	10
150	LT ES 51/150	56.00	10
100	LT ES 51/100	62.00	10
50	LT ES 51/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 5 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3200 K
CRI	92

Schlüter®-LIPROTEC-ES
LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 61/400	47.00	10
250	LT ES 61	51.00	10
200	LT ES 61/200	53.00	10
150	LT ES 61/150	56.00	10
100	LT ES 61/100	62.00	10
50	LT ES 61/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 6 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

Schlüter®-LIPROTEC-D

With Schlüter-LIPROTEC-D, you set design elements on the wall in scene. LIPROTEC-D offers solutions that are as individual and flexible as you when it comes to regardless of whether you want to highlight decorative elements, borders, pictures or mirrors, create a simple shadow joint, or set accents with indirect light – LIPROTEC-D offers solutions that are as individual and flexible as you are.
If it should be really simple: we've put together a frame set for you with dimensions of 118.5 x 93.5 cm, with clean mitre cuts and with power supply unit, LED strips and mounting material. You then only need a suitable mirror or decorative element.

For explanations of the symbols, refer to page 92/93.

Properly framed!

Schlüter-LIPROTEC-D is a decorative receptacle profile for wall areas of anodised aluminium with a visible area of 6 mm. It allows for the insertion of various decorative materials such as glass or mirrors to adjoin ceramic tile coverings. LIPROTEC-D can be used to mount Schlüter-LIPROTEC-ES LED strips for creating indirect light effects around a decorative element. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

(Product data sheet 15.3)

Application areas:

✓ Mirror

✓ Decorative elements made from a wide range of materials

1 Schlüter-LIPROTEC-D profile
2 LED strip

max. 12 mm
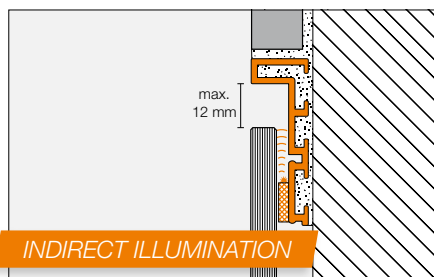
INDIRECT ILLUMINATION

Schlüter®-LIPROTEC-D

PROFILES
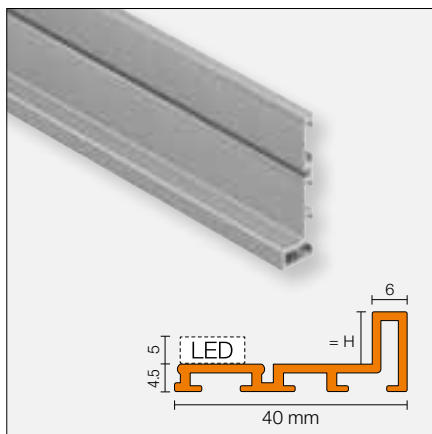
Schlüter®-LIPROTEC-D

anodised aluminium			
H (mm)	L = 2.50 m Art.-No.	€ / m	KV (Units)
4.5	LT D 45 AE	22.78	60
7.5	LT D 75 AE	23.01	60
9	LT D 90 AE	24.95	60
16.5	LT D 165 AE	25.72	60

i

Selection of profile height:
5 mm must be added for the height of the LED strip LT ES 51 or LT ES 61. The LT D 45 AE profile with an intake height of 4.5 mm is recommended for the insertion of non-illuminated decorative materials.

CORNER CONNECTOR

Schlüter®-LIPROTEC-D/V

corner connector set, 4 pc.		
Art.-No.	€ / Set	P (Set)
V 90 / LT 10/4	5.39	50

i

2 x corner connectors are required for each frame corner.

ACCESSORIES

From page 62, you can find compatible accessories for perfectly completing your Schlüter-LIPROTEC lighting, such as radio transmitters, receivers, power supply units and installation material.

PLUG & PLAY

PRO

PLAN

| WARM WHITE | NEUTRAL WHITE |

LED STRIP

✂ **IP65**   ✂ **IP65**

Schlüter®-LIPROTEC-ES

LED strips, warm white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 51/400	47.00	10
250	LT ES 51	51.00	10
200	LT ES 51/200	53.00	10
150	LT ES 51/150	56.00	10
100	LT ES 51/100	62.00	10
50	LT ES 51/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 5 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	3200 K
CRI	92

Schlüter®-LIPROTEC-ES

LED strips, neutral white, 24 V DC

L (cm)	Art.-No.	€ / m	P (Units)
400	LT ES 61/400	47.00	10
250	LT ES 61	51.00	10
200	LT ES 61/200	53.00	10
150	LT ES 61/150	56.00	10
100	LT ES 61/100	62.00	10
50	LT ES 61/50	70.00	10

Max. length in LIPROTEC system: 24 m
Connection length: 3 m

LT ES 6 1	
Dimensions (b x h):	8 x 2.5 mm
Rated output	7.5 W/m
Number of LEDs	140/m
Colour temperature	4900 K
CRI	92

CONTROL

You can find the Bluetooth control on page 64.
You can find the radio control on page 66.

Wall panel sets (WSK)

SET 🚿 ⬅ ⬆

The wall panel sets with RGB+W light makes it easy to make a big impression. Simply select between the wide (128.5 cm) and narrow (70 cm) wall panels and order the practical profile set with it. Our RGB+W technology provides you with unlimited design freedom: More than 16 million hues turn your rooms into colour-flooded leisure zones. White hues from 2500 K – 6500 K let your wall panels radiate the same light as your existing ceiling light. If desired, it can be controlled with a Bluetooth receiver. The matching Schlüter-Systems app can be downloaded for free from Google Play (Android™) or the Apple App Store (iOS).

Schlüter-LIPROTEC-WSK 700

Schlüter-LIPROTEC-WSK 1285

RGB+W CONTROLLABLE

PROFILE SET
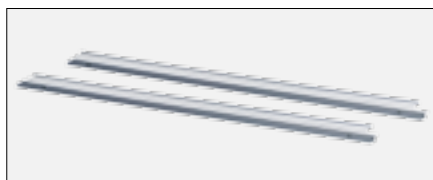
Schlüter®-LIPROTEC-WSK 2500			
profile set for backlit wall panel			
L (m)	Art.-No.	€ / Set	P (Set)
2.5	WS 20 K1 S2 AE	242.05	10

ACCESSORY SET

Schlüter®-LIPROTEC-WSK 700		
accessory set with LED strips, RGB+W		
Art.-No.	€ / Set	P (Set)
WS 20 ZS2 LT ES9	741.31	10

Schlüter®-LIPROTEC-WSK 1285		
accessory set with LED strips, RGB+W		
Art.-No.	€ / Set	P (Set)
WS 20 ZS3 LT ES9	843.56	10
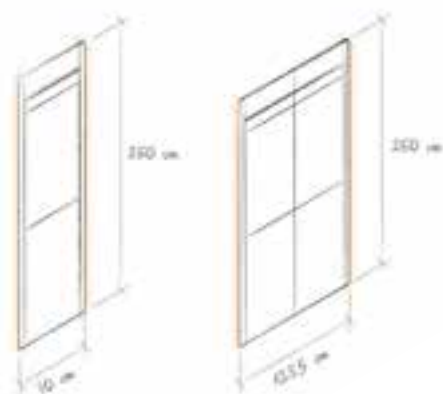
WSK 700

WSK 1285

CONTENTS

WSK 2500

- 2 x Schlüter-LIPROTEC-WSK profiles, length: 250 cm, with cutout for cable routing and integrated covered cable duct, incl. Schlüter-LIPROTEC-WSI diffuser lens.

WSK 700

- 2 x Schlüter-LIPROTEC-ES LED strips, length: 250 cm, multi-colour + white light (RGB+W)
- 1 x set Schlüter-KERDI-BOARD, 19 mm, for end format: 250 cm x 70 cm, pre-assembled, with mounting slot for cable duct
- 1 x cable ducts with cover
- 1 x adhesive fleece Schlüter-DESIGNBASE-HVL, width: 7.5 cm, length: 800 cm
- 1 x Schlüter-KERDI-FIX, 290 ml grey
- 1 x power supply unit, 24 V, 100 W, input voltage 230 V, AC
- 1 x Schlüter-LIPROTEC-ZS 2A (connection set)
- 1 x empty tube, 200 cm, 20 mm diameter
- 1 x installation/mounting instruction

WSK 1285

- 2 x Schlüter-LIPROTEC-ES LED strips, length: 250 cm, multi-colour + white light (RGB+W)
- 1 x set Schlüter-KERDI-BOARD, 19 mm, for end format: 250 cm x 128.5 cm, pre-assembled, with mounting slot for cable duct
- 2 x cable ducts with cover
- 1 x adhesive fleece Schlüter-DESIGNBASE-HVL, width: 7.5 cm, length: 800 cm
- 1 x Schlüter-KERDI-FIX, 290 ml grey
- 1 x power supply unit, 24 V, 100 W, input voltage 230 V, AC
- 1 x Schlüter-LIPROTEC-ZS 2A/5A (connection set)
- 1 x empty tube, 200 cm, 20 mm diameter
- 1 x installation/mounting instruction

Staircase sets (PB)

SET

Schlüter-LIPROTEC-PB stair sets put light where it is needed: in the middle of the stair step. The PB 15 complete sets for 15 steps have 60 cm wide LED modules pre-mounted in the middle. With their diffuser lenses, they provide indirect illumination with a discreet line of light. The combinations of aluminium carrier profile and diffuser lens are 100/150 cm long and can be shortened individually as required. The LED modules have a 4500 K neutral white colour temperature and are cabled by means of a simple coupling system; a 500 cm connection cable and power supply are included in the set.

And if that isn't enough: the stair set can easily be expanded to 18 steps with only one supply line. To this end, use the Schlüter-LIPROTEC-PB 1 single-step sets.

Schlüter-LIPROTEC-PB 15
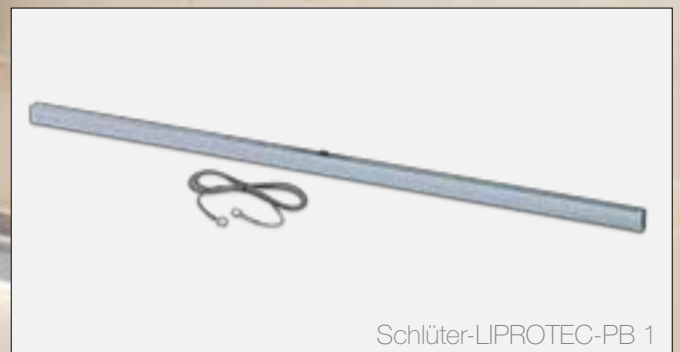
Schlüter-LIPROTEC-PB 1

NEUTRAL WHITE

Advantages:

✓ Pre-assembled ready for installation

✓ Cabling and power supply unit in a complete set

✓ Easy installation of the sets in tile adhesive

28 mm
25 mm
16.5 mm
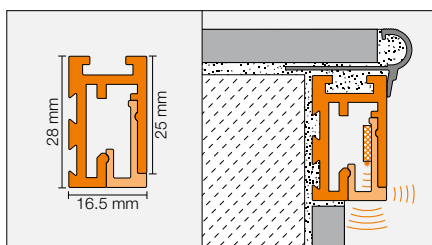
Note!
Use only with indoor applications!
The set is designed for straight staircases.
The appropriate stair profiles for the respective cover material has to be ordered separately!
For variable light control, we recommend our radio control on page 66.

Schlüter®-LIPROTEC-PB 15

Complete set LT PB 15

complete set for staircases, anodised aluminium		
Art.-No.	€ / Set	P (Set)
PB 15 S1 AE/100	1855.26	10
PB 15 S1 AE/150	2016.59	10

Complete set LT PB 15

complete set for staircases, brushed stainless steel effect anodised aluminium		
Art.-No.	€ / Set	P (Set)
PB 15 S1 AEEB/100	1936.35	10
PB 15 S1 AEEB/150	2141.55	10

CONTENTS

- 15 x profiles LT PB, 100/150 cm each, incl. locking plate, cable feedthrough, 15 end caps
- 15 x LT PB D diffuser lenses, 100/150 cm each, incl. LED module, neutral white 4500 Kelvin, coupling system
- 14 x connection cables, 70 cm each, plug/plug system, 2 x 0.32 mm² (AWG22)
- 1 x supply cable, 500 cm, single-sided plug system, 2 x 0.32 mm² (AWG22)
- 1 x power supply unit, 24 V, 75 W, input voltage 230 V, AC
- 1 x installation/mounting instruction

Schlüter®-LIPROTEC-PB 1

Combination set LT PB 1

combination set for one step, anodised aluminium		
Art.-No.	€ / Set	P (Set)
PB S1 AE/100	145.73	10
PB S1 AE/150	156.48	10

Combination set LT PB 1

combination set for one step, brushed stainless steel effect anodised aluminium		
Art.-No.	€ / Set	P (Set)
PB S1 AEEB/100	152.59	10
PB S1 AEEB/150	164.16	10

CONTENTS

- 1 x LT PB profile, 100/150 cm, incl. locking plate, cable feedthrough, end cap
- 1 x LT PB D diffuser lens, 100/150 cm, incl. LED module, neutral white 4500 Kelvin, coupling system
- 1 x connection cable, 70 cm, plug/plug system, 2 x 0.32 mm² (AWG22)
- 1 x installation/mounting instruction

Schlüter®-LIPROTEC-ZZK

Schlüter-LIPROTEC-ZZK is a supply cable (2 x 0.32 mm², AWG22) with a length of 500 cm for connecting the Schlüter-LIPROTEC-PB staircase systems to the voltage supply.

Schlüter®-LIPROTEC-ZZK

supply cable		
Art.-No.	€ / Unit	P (Units)
LT ZZK 2A 5M	10.73	10
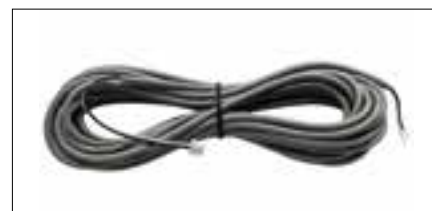
Decorative frame sets (D)

Schlüter-LIPROTEC-D 90 are sets for creating illuminated decorative frames. With these complete sets, mirrors or design elements such as printed glass or decor panels can be elegantly framed with indirect LED lighting. The carrier profiles have already been mitred and four matching Schlüter-LIPROTEC-ES-LED strips with a colour temperature of 3300 K (warm white) or 4500 K (neutral white) are included in the set, as well as the power supply unit and all material for assembly and wiring.

WARM WHITE

NEUTRAL WHITE

Advantages:

✓ Pre-assembled ready for installation

✓ Complete cabling in the set

✓ Set includes suitable power supply unit

✓ Easy installation of the sets in tile adhesive

min. 8 mm
max. 12 mm

LED
4.5   5
6
= H
40 mm
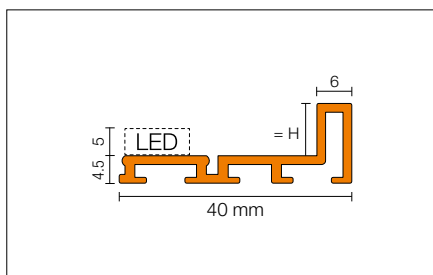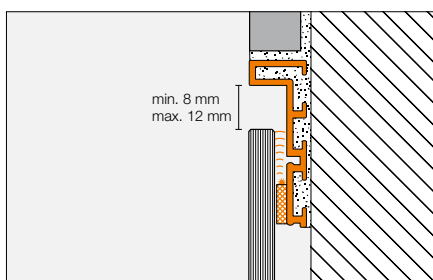
Note!

For fastening the decorative element (e.g. mirror), the instructions in the manuals have to be followed.

For variable light control, we recommend our Bluetooth control on page 65 or our radio control on page 66.

Complete set LT D 90 S1			
complete set frame, warm white, 3300 K			
H (mm)	Art.-No.	€ / Set	P (Set)
9	LT D90 S1 AE	622.18	10

Complete set LT D 90 S2			
complete set frame, neutral white, 4500 K			
H (mm)	Art.-No.	€ / Set	P (Set)
9	LT D90 S2 AE	622.18	10

CONTENTS

- 1 x Schlüter-LIPROTEC-D 90 profile frame, 118.5 cm x 93.5 cm, incl. mitre cuts and cutouts for decor material holder, incl. Schlüter-LIPROTEC-D/V corner connectors
- 2 x LED strips, Schlüter-LIPROTEC-ES, length: 110 cm, warm white 3300 Kelvin
- 2 x LED strips, Schlüter-LIPROTEC-ES, length: 85 cm, warm white 3300 Kelvin
- 1 x set of decorative material supports, above/below (4 units)
- 1 x set of mirror plates, above/below (4 units)
- 1 x Schlüter-LIPROTEC-ZS connection set
- 1 x empty tube, 200 cm, 20 mm diameter
- 1 x power supply unit, 24 V, 50 W, input voltage 230 V, AC
- 1 x installation/mounting instruction
- 1 x installation tool/mounting aid

CONTENTS

- 1 x Schlüter-LIPROTEC-D 90 profile frame, 118.5 cm x 93.5 cm, incl. mitre cuts and cutouts for decor material holder, incl. Schlüter-LIPROTEC-D/V corner connectors
- 2 x LED strips, Schlüter-LIPROTEC-ES, length: 110 cm, neutral white 4500 Kelvin
- 2 x LED strips, Schlüter-LIPROTEC-ES, length: 85 cm, neutral white 4500 Kelvin
- 1 x set of decorative material supports, above/below (4 units)
- 1 x set of mirror plates, above/below (4 units)
- 1 x Schlüter-LIPROTEC-ZS connection set
- 1 x empty tube, 200 cm, 20 mm diameter
- 1 x power supply unit, 24 V, 50 W, input voltage 230 V, AC
- 1 x installation/mounting instruction
- 1 x installation tool/mounting aid

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Dimensions of decorative element (e.g. mirror):
115.3 cm x 90.3 cm (10 mm illuminated joint)
Weight of decorative element: max. 16 kg

Controlling Schlüter-LIPROTEC is no witchcraft, but instead as individual as you and your customers. We have the right solution for every level of sophistication: from simple single-channel switches to a combination of radio remote control and Bluetooth control per smartphone. If you want, you can also simply control your LIPROTEC accent lighting with an existing light switches. Anything but complicated!

Control Schlüter-LIPROTEC the way you want:

✓ On/off with light switch already available in the building

✓ On/off/dimming with our radio switches

✓ On/off/dimming per app and remote control

✓ On/off/dimming and colour control per app and remote control
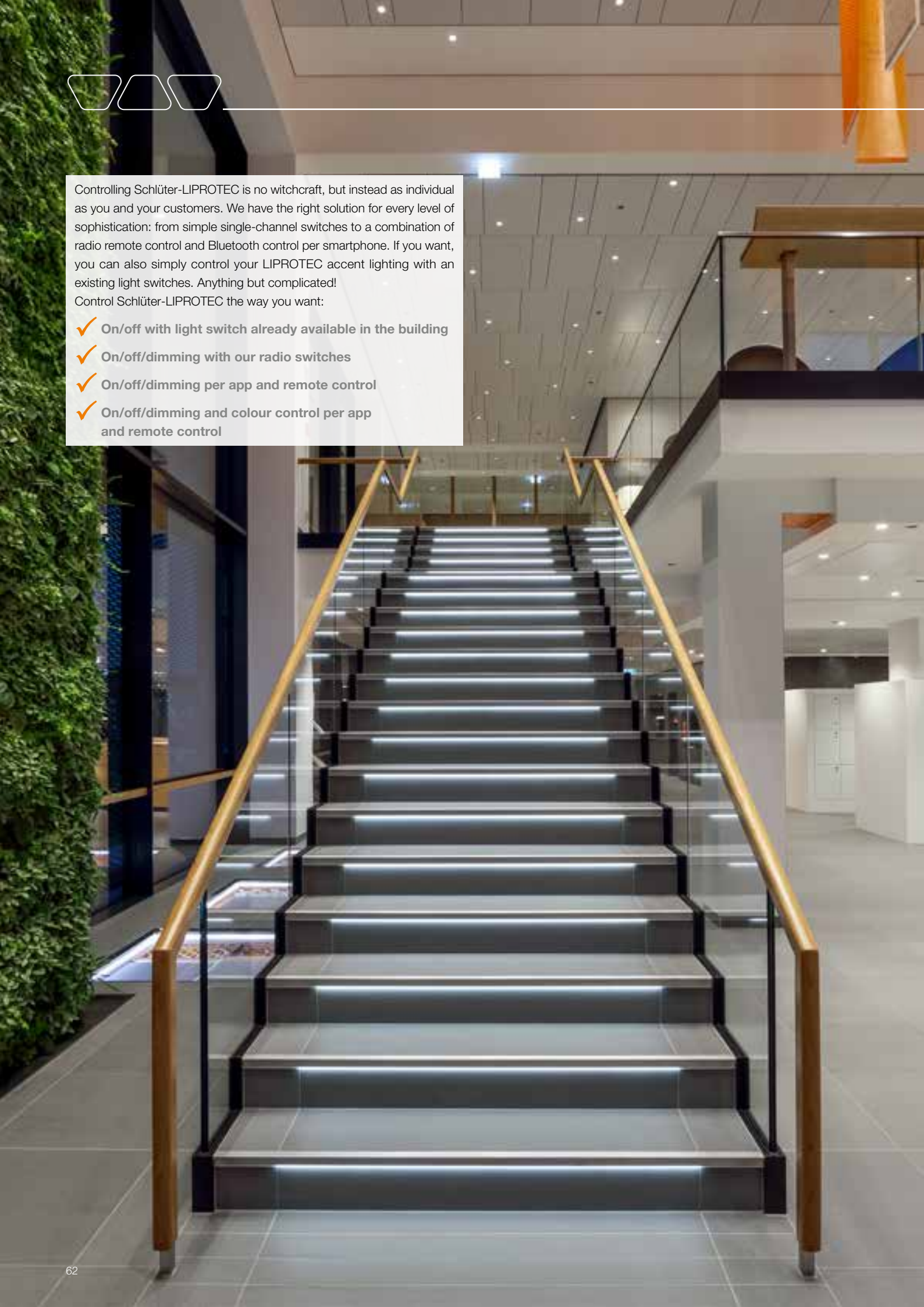
Controlling Schlüter®-LIPROTEC LED installations

Schlüter-LIPROTEC is a system for individual solutions. You also have full freedom of choice for controlling the LEDs. You can choose between various concepts depending on the desired light type and installation size. You can use innovative and economic Bluetooth control, radio control with a transmitter and receiver, or control larger installations centrally using master/slave technology. Orient yourself with our schematic diagrams and let us guide you to the suitable technology.

Bluetooth control (smartphone/tablet with free app) ....**Page 64**

on-site	LIPROTEC system

230 V | 24 V

coloured RGB + white W

warm white 3200 K / 3400 K

neutral white 4900 K
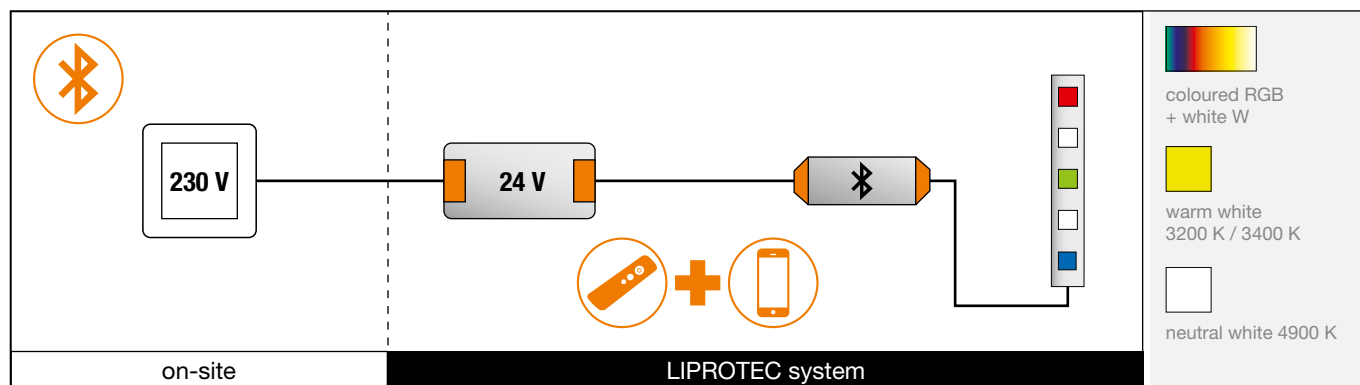
Radio control (transmitter and receiver) ....**Page 66**

on-site	LIPROTEC system

230 V | 24 V | RECEIVER

warm white 3200 K / 3400 K

neutral white 4900 K
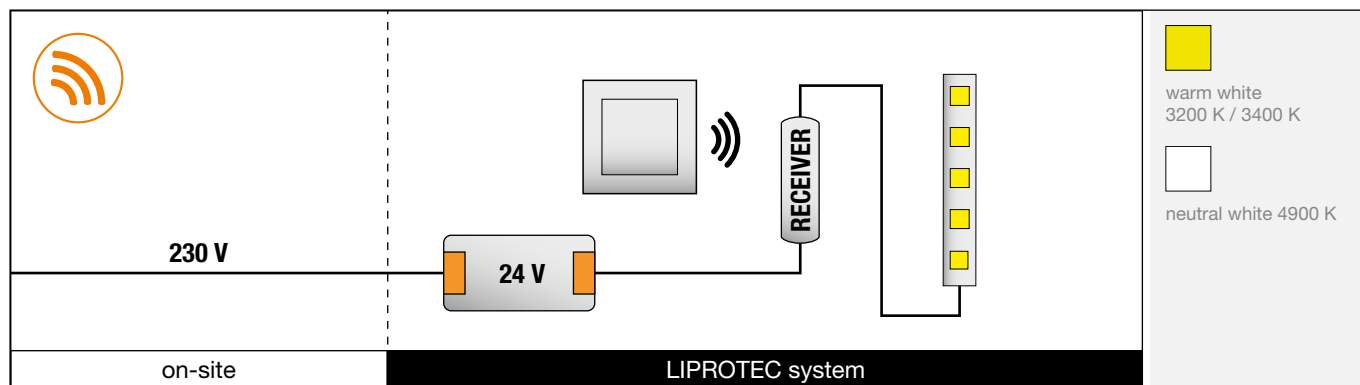
Radio control for objects (transmitter and master/slave receiver) ....**Page 68**

on-site	LIPROTEC system

230 V | 24 V | MASTER | 24 V | SLAVE | 24 V | SLAVE

warm white 3200 K / 3400 K

neutral white 4900 K

PLUG & PLAY

PRO

PLAN
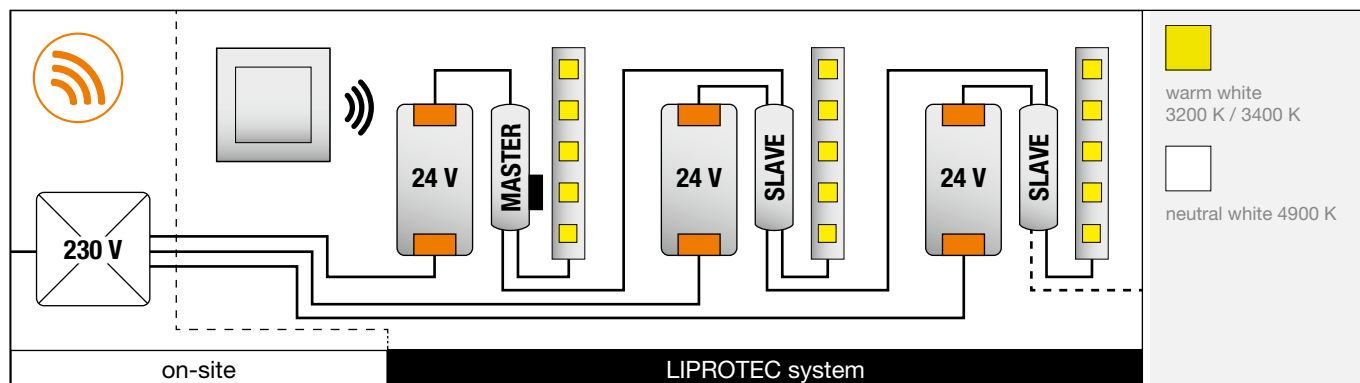
Schlüter®-LIPROTEC Bluetooth control

Schlüter-LIPROTEC-EBR are Bluetooth receivers for installations with innovative illuminated profile technology. The Schlüter-LIPROTEC-EBR 1 / -EBR 4 receivers are controlled either with a remote control contained in the scope of supply or with mobile end devices such as smartphones and tablets. An attractive wall holder accommodates the remote control using a magnet fixing system. An app for control can be downloaded for free via Google Play (Android™) or the Apple App Store (iOS).

www.schlueter-systems.com/app/

Download on the App Store

GET IT ON Google Play

Schlüter®-LIPROTEC-EBR 4

Schlüter-LIPROTEC-EBR 4 is a Bluetooth/radio receiver for controlling up to 12 m of LED strip from the LT ES 9 series using the included radio remote control or via suitable Bluetooth-capable smartphones or tablets. The receiver is operated via Bluetooth by means of the Schlüter LED Colour Control app, which is downloadable for free for both Android and iOS devices. Up to two end devices can be simultaneously coupled with the receiver.

In excess of 16 million colours and white tones with variable colour temperatures can be set with the RGB+W LED strips LT ES. A preselection of white and coloured hues is possible, these can be stored as favourites in the app. 42 different colour sequences are preprogrammed and can be played at variable speeds. The very compact dimensions of the Bluetooth receiver enable space-saving installation.

We recommend using an on-site light switch to optimise operating convenience.

Schlüter®-LIPROTEC-EBR 4

bluetooth/radio receiver RGB+W, controllable

Art.-No.	€ / Unit	P (Units)
LT EBR 4	155.98	10

Coloured RGB + white W

Contents:
- Bluetooth receiver 24 V
- Radio remote control with battery
- Wall holder for remote control
- 5 x connection terminals, 3-core

Wireless

App

Technical data for Bluetooth receiver
(for use with LT ES 9 RGB+W LED strips)

Max. range:	10 m
Input voltage:	24 V, DC
Max. total load in the LIPROTEC system:	180 W
Max. length of RGB+W LED strips LT ES 9 in the LIPROTEC system:	12 m
Degree of protection:	IP63
Ambient temperature:	-20 °C to +50 °C

Schlüter®-LIPROTEC-EBR 1

Schlüter-LIPROTEC-EBR 1 is a Bluetooth/radio receiver for controlling up to 24 m of white LED strip from the LT ES 11 – LT ES 61 series using the included radio remote control or via suitable Bluetooth-capable smartphones or tablets. The receiver is operated via Bluetooth by means of the Schlüter LED Colour Control app, which is downloadable for free for both Android and iOS devices. The variously dimmed luminous intensities can be saved as favourites in the app software and controlled via a mobile end device and the included remote control.

Up to two end devices can be simultaneously coupled with the receiver. The very compact dimensions of the receiver enable space-saving installation.

We recommend using an on-site light switch to optimise operating convenience.

Schlüter®-LIPROTEC-EBR 1

bluetooth/radio receiver, white

Art.-No.	€ / Unit	P (Units)
LT EBR 1	150.79	10

Neutral white 4500 K

Warm white 3300 K

Contents:
- Bluetooth receiver 24 V
- Radio remote control with battery
- Wall holder for remote control
- 2 x connection terminals, 3-core

Wireless

App

Technical data for Bluetooth receiver
(for use with LT ES 11 to LT ES 61 LED strips)

Max. range:	10 m
Input voltage:	24 V, DC
Max. total load in the LIPROTEC system:	180 W
Max. length of LED strips LT ES 11 to LT ES 61 in the LIPROTEC system:	24 m
Degree of protection:	IP63
Ambient temperature:	-20 °C to +50 °C

Everything under control: Systematic LED control

We offer system components of the highest quality for light control to help you make full use of the options of the Schlüter illuminated profile technology. These range from reliable power supply units to intelligent receivers and elegant switches that transmit their commands wirelessly to the illumination components. As an additional benefit for you, wireless control technology significantly reduces the expenditure of installation and wiring.
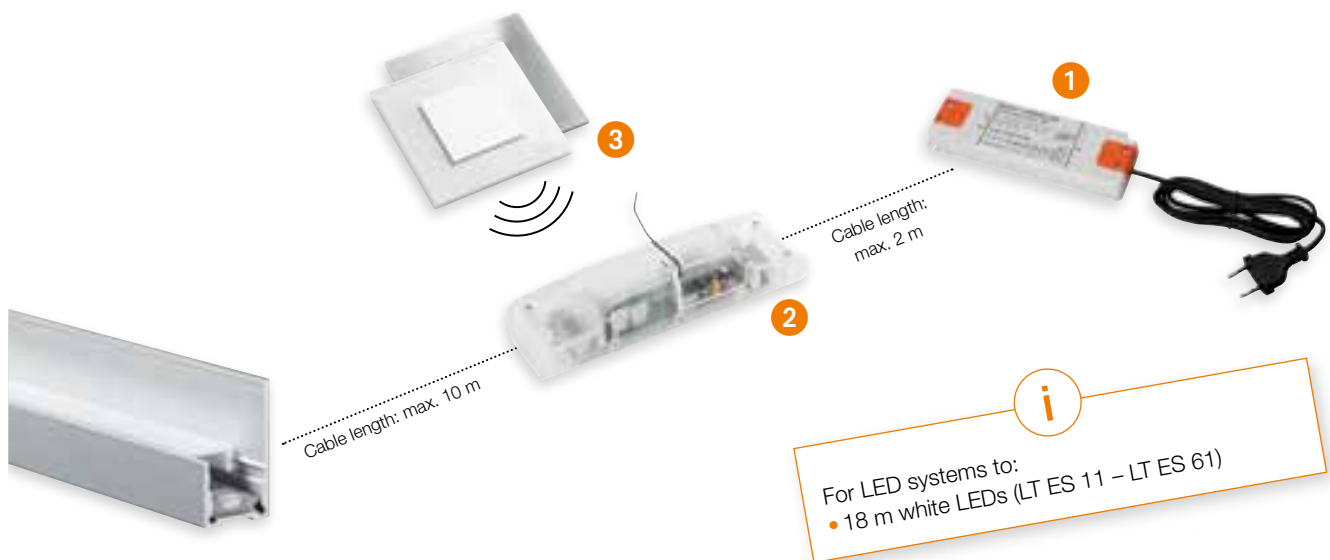
Cable length: max. 2 m

Cable length: max. 10 m

i

For LED systems to:
• 18 m white LEDs (LT ES 11 – LT ES 61)

1 Schlüter®-LIPROTEC-EKE – Power supply units

Power supply units convert the main voltage to the 24 V required by our LED strips. They are easy to install and available in different wattages from 30 to 200 W for LED strips up to 18 linear metres.

2 Schlüter®-LIPROTEC-ER – Receivers

Receivers transpose the wireless signals from the switch (transmitter) into commands for the LED strips.
• LT ER 1 (on, off, dim) for simultaneous control of white LED strips with fixed colour temperature.

3 Schlüter®-LIPROTEC-E – Switches (transmitters)

With the switches, the user can control the illuminated profile technology. The wireless control makes installation very easy. All switches (transmitters) are available in two different frame designs. You can choose between genuine glass, back-coated in brilliant white or brushed V4A stainless steel.

The switches (transmitters) are available in the following versions:
• Single channel (on, off, dim) for controlling white LED strips with fixed colour temperature together with receiver LT ER 1.
• Dual channel (on, off, dim) for simultaneous control of two LT ER 1 receivers with white LED strips and fixed colour temperature.

Schlüter®-LIPROTEC-EKE

Schlüter®-LIPROTEC-EKE				
power supply, 24 V DC				
Watts	max. Watts*	Art.-No.	€ / Unit	P (Units)
30	27	LT EKE 24V 30W	56.00	10
50	45	LT EKE 24V 50W	73.00	10
75	67.5	LT EKE 24V 75W	98.00	10
100	90	LT EKE 24V 100W	143.00	10
150	135	LT EKE 24V 150W	162.00	10
200	180	LT EKE 24V 200W	188.00	10

30 W · 75 W · 150 W · 50 W · 100 W · 200 W

Ambient temperature: -20 °C to +50 °C,
input voltage: 230 V, AC

* A safety reserve has to be taken into account when selecting the power supply unit (see maximum load of the corresponding power supply unit).

	LT EKE 24V 30W	LT EKE 24V 50W	LT EKE 24V 75W	LT EKE 24V 100W	LT EKE 24V 150W	LT EKE 24V 200W
DIMENSIONS (mm)	156 x 50 x 17	160 x 58 x 18	160 x 58 x 18	164 x 57 x 17	177 x 57 x 18	195 x 67 x 31

Length of supply line: 1.8 m

Schlüter®-LIPROTEC-ER

Receivers transpose the wireless signals from the switch (transmitter) into commands for the LED strips and enable continuous dimming.

Schlüter®-LIPROTEC-ER		
receiver with connection cable, white 24 V		
Art.-No.	€ / Unit	P (Units)
LT ER 1	263.50	10

For controlling the LED strips LT ES 11 to LT ES 61.

Schlüter®-LIPROTEC-E

Radio transmitters are used to control the illuminated profile technology by the user. The wireless control makes installation very easy. All switches (transmitters) are available in two different frame designs. You can choose between genuine glass, back-coated in brilliant white or brushed V4A stainless steel.
The transmitter can be attached to suitable substrates with the supplied double-sided adhesive tape, an installation box is not required.

Schlüter®-LIPROTEC-E			
switch (transmitter), genuine glass, brilliant white			
Number of buttons	Art.-No.	€ / Unit	P (Units)
1	LT E1 KS BW	145.20	10
2	LT E2 KS BW	155.95	10

Schlüter®-LIPROTEC-E			
switch (transmitter), brushed stainless steel			
Number of buttons	Art.-No.	€ / Unit	P (Units)
1	LT E1 KS EB	139.82	10
2	LT E2 KS EB	141.96	10

Central control with master/slave technology

As a supplement to reliable radio control, you can now also control larger illuminated profile technology installations via master/slave technology. The range of components includes reliable power supply units, intelligent master/slave receivers and elegant switches that transmit commands wirelessly to the light installation. Only the connections between power supply units and receivers as well interconnection between receivers (master/slave and slave/slave) is implemented with cables. As a result, 24 V LED strips can be installed to a length of 570 m, and controlled via a single, central radio transmitter.

i For larger LED systems

Switch

4

1

Cable length: max. 2 m

2

Master

Cable length: max. 10 m

Cable length: max. 50 m

max. 2 m

3

Slave

max. 10 m

max. 50 m

max. 2 m

Slave

max. 10 m

max. 50 m

max. 40 Slaves
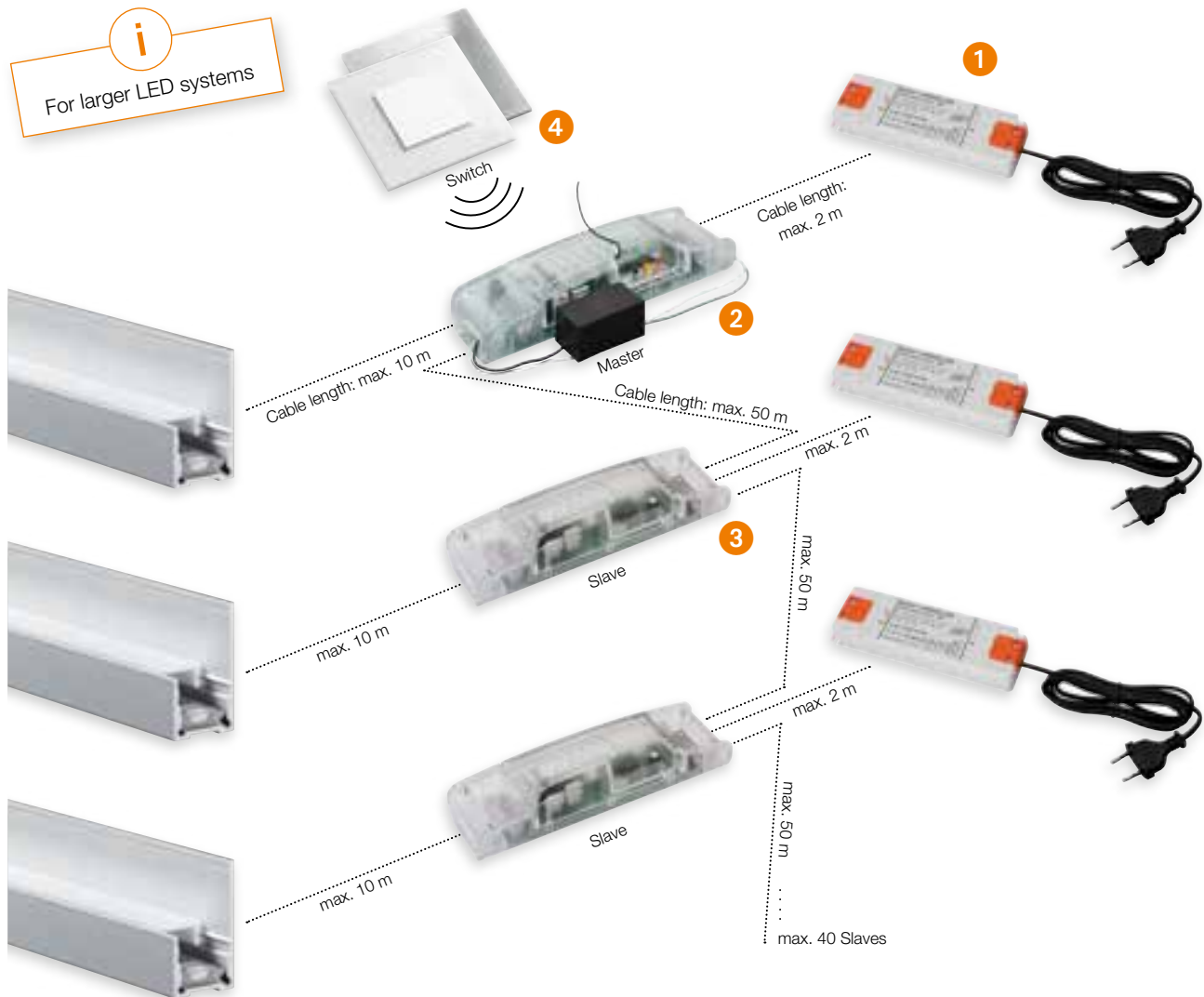
The principle: master/slave

The master/slave system enables the simultaneous control of several interconnected receivers over long distances (maximum of 200 m). For this purpose, a master receiver is connected via a 2-core AWG 16 cable with up to 40 slave receivers. The master receiver is taught-in together with the switch (transmitter), and slave receiver functionality follows the master receiver. This enables large installations with slave receivers far apart from each other to be centrally controlled with only one transmitter.

Schlüter®-LIPROTEC-ERM

Schlüter-LIPROTEC-ERM is a master receiver for the central control of large Schlüter-LIPROTEC light installations in accordance with the master/slave principle. The receiver forwards commands received from the radio transmitter to up to 40 slave receivers via a 2-core AWG 16 cable.

Schlüter®-LIPROTEC-ERM		
LED master receiver, 24 V		
Art.-No.	€ / Unit	P (Units)
LT ERM 1	297.91	10

For controlling the LED strips LT ES 11 to LT ES 61.
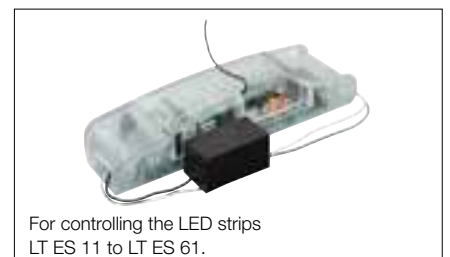
1 Schlüter®-LIPROTEC-EKE – Power supply units
The power supply units convert the mains voltage to 24 V, as required for the LED strips. The units are easy to install and available in various wattages from 30 to 200 W.

2 Schlüter®-LIPROTEC-ERM – Master receivers
The master receiver transposes the wireless signals from the transmitter into commands for the LED strips. It is the first component in a light system.
• LT ERM 1 (on-off-dimming) for controlling white LED strips with permanent colour temperature (LT ES 11 – LT ES 61).

3 Schlüter®-LIPROTEC-ERS – Slave receivers
The slave receivers convert signals received from the master into commands for the LED strips. They are components installed downstream from the master and are interconnected in sequence. Slave receivers can only be controlled by the appropriate master receiver.
• LT ERS 1/3 (on-off-dimming) for the simultaneous control of white LED strips (LT ES 11 – LT ES 61).

The control line between master and slaves is a 2 x 1.31 mm² low voltage cable (AWG16).

4 Schlüter®-LIPROTEC-E – Switches (transmitters)
With the switches, the user can control the illuminated profile technology. The wireless control makes installation very easy. All switches (transmitters) are available in two different frame designs. You can choose between genuine glass, back-coated in brilliant white or brushed V4A stainless steel. The switches (transmitters) are available in the following versions:
• Single channel (on, off, dim) for controlling white LED strips with fixed colour temperature together with LT ERM 1 master receiver.
• Dual channel (on, off, dim) for simultaneous control of two LT ERM 1 master receivers with white LED strips and fixed colour temperature.

Technical data for the master/slave system
(specifications with 24 V LED strips from the LT ES 11 – LT ES 61 range)

Receive frequency:	868.3 MHz
Power supply:	24 V, DC
Max. total load in the LIPROTEC system:	135 W
Degree of protection:	IP20
Ambient temperature:	-20 °C to +50 °C

Max. possible length of LED strips in master/slave system

LED strips LT ES 11 – LT ES 61:	570 m

Schlüter®-LIPROTEC-ERS

Schlüter-LIPROTEC-ERS is a slave receiver for the central control of large Schlüter-LIPROTEC light installations in accordance with the master/slave principle. Up to 40 slave receivers can be controlled by a master receiver via a 2-core AWG 16 cable.

Schlüter®-LIPROTEC-ERS

LED slave receiver, 24 V

Art.-No.	€ / Unit	P (Units)
LT ERS 1/3	260.67	10

For controlling the LED strips LT ES 11 to LT ES 61.

Installation material

We also offer a complete range of accessories for the wiring installation of the Schlüter-LIPROTEC system. Schlüter-KERDI-BOARD installation modules with pre-cut cable ducts are an ideal practical solution. The two-part cable duct Schlüter-LIPROTEC-ZKK can be mounted in them by simply placing the cables inside from the front. There is no need to thread any wires through conduits. The closed cable duct can then be sealed with the Schlüter-KERDI-KEBA jointing tape and Schlüter-KERDI-COLL-L sealing adhesive.

Schlüter®-LIPROTEC-ZK

Schlüter-LIPROTEC-ZK are colour-coded low voltage cables for connecting Schlüter-LIPROTEC LED strips to a suitable power supply unit and/or receiver.

2-core   5-core

Schlüter®-LIPROTEC-ZK

low voltage cable, 2 x 1.31 mm² (AWG16)

L (m)	Art.-No.	€ / Unit	P (Units)
25	LT ZK 2A 10 25M	54.32	10

Cable for LED strips LT ES 11 – LT ES 61 and for connecting power supply and receiver.

Schlüter®-LIPROTEC-ZK

low voltage cable, 5 x 1.31 mm² (AWG16)

L (m)	Art.-No.	€ / Unit	P (Units)
25	LT ZK 5A 10 25M	119.59	10

Cable for LED strips LT ES 9.

Schlüter®-LIPROTEC-ZS

Schlüter-LIPROTEC-ZS are connecting sets for connecting Schlüter-LIPROTEC installations to a suitable power supply unit and/or receiver.

2-core

5-core

Schlüter®-LIPROTEC-ZS

connection set, 2-core

Art.-No.	€ / Set	P (Set)
LT ZS 2A	34.69	10

Connection set for LED strip LT ES 11 – LT ES 61, and for power supply unit and receiver connection.

Contents:
• 800 cm cables, 2 x 1.31 mm² (AWG16)
• 1 x hollow wall junction box with lid
• 1 x concealed junction box with lid
• 2 x Wago terminals, 32 A, 5-core

Schlüter®-LIPROTEC-ZS

connection set, 5-core

Art.-No.	€ / Set	P (Set)
LT ZS 5A	55.11	10

Connection set for LED strip LT ES 9.

Contents:
• 800 cm cables, 5 x 1.31 mm² (AWG16)
• 1 x hollow wall junction box with lid
• 1 x concealed junction box with lid
• 5 x Wago terminals, 32 A, 3-core

Schlüter®-LIPROTEC-ZLR

Schlüter®-LIPROTEC-ZLR

empty tube, 20 mm diameter

L (m)	Art.-No.	€ / Unit	P (Units)
50	LT ZLR 20 50M	81.54	10

Schlüter®-LIPROTEC-ZKK

Schlüter®-LIPROTEC-ZKK

cable duct, white

L (m)	Art.-No.	€ / Unit	P (Units)
2.5	LT ZKK 2010	3.80	10

Schlüter®-LIPROTEC-PES

Schlüter®-LIPROTEC-PES

plug-and-play end cap

H (mm)	Art.-No.	€ / Set	P (Set)
12	EK / LT PES 1	4.20	10
15	EK / LT PES 9	4.70	10

EK / LT PES 1

EK / LT PES 9
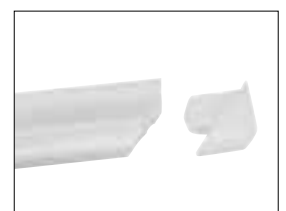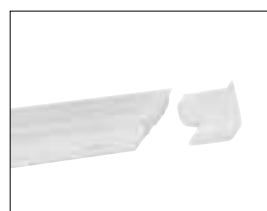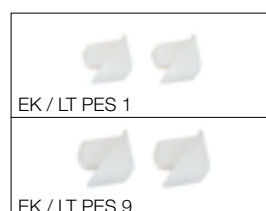
The set contains two end caps, incl. sealing adhesive.

Schlüter®-LIPROTEC-Z

Schlüter®-LIPROTEC-Z				
wall junction box with lid, set = 5 units				
Ø	H (mm)	Art.-No.	€ / Set	P (Set)
68 mm	47	LT Z 5HD 47	15.23	10

Schlüter®-LIPROTEC-Z				
wall junction box with lid, set = 5 units				
Ø	H (mm)	Art.-No.	€ / Set	P (Set)
68 mm	47	LT Z 5HDD 47	71.22	10

Schlüter®-LIPROTEC-Z				
concealed junction box with lid, set = 5 units				
Ø	H (mm)	Art.-No.	€ / Set	P (Set)
65 mm	46	LT Z 5UD 46	11.42	10

Schlüter®-LIPROTEC-Z			
concealed junction box with cover, set = 5 units			
L x B x H (mm)	Art.-No.	€ / Set	P (Set)
87 x 87 x 60	LT Z 5UK 60	40.79	10

Schlüter®-LIPROTEC-ZKL

Schlüter®-LIPROTEC-ZKL				
Wago terminals				
Cores	Package (units)	Art.-No.	€ / Pack	P (Package)
3	50	LT ZKL 3A	38.05	10
5	40	LT ZKL 5A	45.93	10

Schlüter®-KERDI-BOARD-K

Schlüter-KERDI-BOARD-K are installation modules with pre-cut grooves for accommodating Schlüter-LIPROTEC cable ducts. The groove is designed to also accommodate a 19 mm Schlüter-KERDI-BOARD or the Schlüter-LIPROTEC-LL carrier profile.

(Product data sheet 12.1)

Schlüter®-KERDI-BOARD-K			
installation module with cable groove, 15 x 250 cm			
H (mm)	Art.-No.	€ / Unit	PL (Unit)
19	KB 19 150 2500 K1	15.69	10
28	KB 28 150 2500 K1	18.64	10
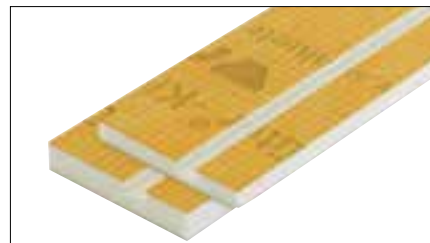
Schlüter®-DESIGNBASE-HVL			
self-adhesive bonding fleece			
B (mm)	L = 20 m Art.-No.	€ / Unit	P (Units)
38	HVL 38 / 20M	27.40	10
75	HVL 75 / 20M	55.19	10

Schlüter®-LIPROTEC-RKB			
self-adhesive reflector tape			
B (mm)	L = 50 m Art.-No.	€ / Unit	P (Units)
38	LT Z RKB 38 50M	5.44	10

Schlüter®-PROCUT-PSF

Schlüter-PROCUT-PSF is special scissors for accurately shortening the LED strips. To ensure that the LED strip retains IP-compliant tightness when it is shortened, it has to be cut at a 45° angle and sealed with the supplied end caps and sealing adhesive.

Schlüter®-PROCUT-PSF		
profile cutter, joint spacer		
Art.-No.	€ / Unit	P (Units)
PSF	59.26	10

71
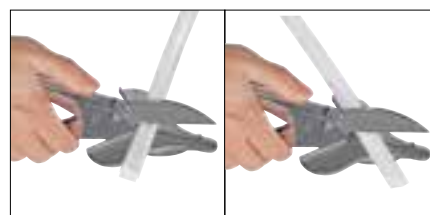
PLAN

Good planning is the prerequisite for a project's success. The PLAN section contains all information that you need to plan your LIPROTEC projects and ensure their success – from detailed dimensions of the profile to the photometric data of our LED light strips.

EASY
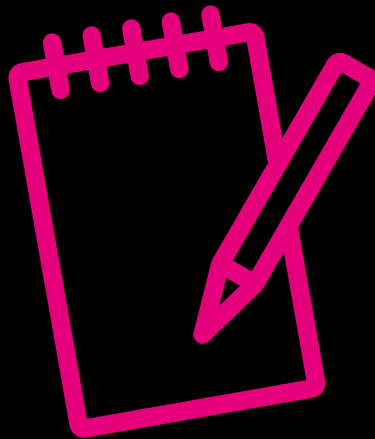
LED NICHE SETS

NLT – Niche, LED coloured + white, plug-and-play ⟨SET⟩ Page 74

LED MODULES

LLP – Linear light, plug-and-play LED module, coloured ⟨MODULE⟩ Page 74

LLPM – Linear light, plug-and-play LED module, coloured + white ⟨MODULE⟩ Page 76

LLPE – Linear light, plug-and-play LED module, wall corner, coloured ⟨MODULE⟩ Page 76

LED PROFILES

LL – Linear light, coloured + white Page 78

LLE – Linear light, wall corner, coloured + white Page 78

WS – Wall panel lighting, coloured + white Page 80

WSK – Wall panel lighting with cable duct, coloured + white ⟨SET⟩ Page 80/86

WSQ – Wall panel lighting with QUADEC finishing profile, coloured + white Page 82

PB – Stair edge lighting, white ⟨SET⟩ Page 82/88

DESIGNBASE-QD – Landing/border profile, white Page 84

VB – Skirting/cove lighting Page 84

D – Receptacle profile for mirror and other decors ⟨SET⟩ Page 86/88

PRO

PLAN

Schlüter®-KERDI-BOARD-NLT

Schlüter-KERDI-BOARD-NLT are prefabricated niche sets made of KERDI-BOARD with plug-and-play LIPROTEC-LED technology. They are used to create illuminated niches and supporting surfaces for wall areas of all kinds. These niches can be integrated into the Schlüter-KERDI waterproofing system as a bonded waterproofing assembly.

The niches are available in different dimensions and hues. The rectangular niches are available with illumination either on the long or the narrow side. The LED module can either be positioned at the front edge, in the center or at the rear wall that is to be tiled. The scope of supply includes all components required for the installation, as well as the cable connection, power supply and sealing collar. We recommend using an on-site light switch to optimise operating convenience. A Bluetooth control for RGB+W lighting has to be ordered separately and can be found on page 16. *(Product data sheet 12.1)*

NICHES	APPLICATION AREA	PROPERTIES	DIMENSIONS			
B x H x T (mm)			VERSION	LED LENGTHS (mm)	LIGHT COLOUR	
305 x 305 x 89			WARM WHITE/ NEUTRAL WHITE	300	Warm white	
305 x 508 x 89					Neutral white	
305 x 711 x 89					RGB+W	
508 x 305 x 89				503	Warm white	
					Neutral white	
			RGB+W		RGB+W	
711 x 305 x 89				705	Warm white	
					Neutral white	
					RGB+W	

Schlüter®-LIPROTEC-LLP

Schlüter-LIPROTEC-LLPE are LED modules consisting of a flexible, encapsulated LED strip with homogenous light dispersion and a U-shaped receptacle profile made of aluminium. With the LED modules, coloured RGB+W light strips with more than 16 million different hues and colour temperatures of 2500 K – 6500 K can be created. The receptacle profile with an installation height of 17mm makes flush installation possible. *(Product data sheet 15.5)*

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	DIMENSIONS OF LED MODULE		
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (cm)	
RGB+W				50	
				100	
				200	
				250	

Length of supply line: 12 cm with plug connector

	PHOTOMETRIC DATA								
	RATED OUTPUT (W/unit)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	1.60	280	92	3000	80.0	A+	2		WARM WHITE/ NEUTRAL WHITE
	1.60	280	92	4900	84.0	A+	2		
	4.40	112	85	2700	156.0	A	5		
	2.60	280	92	3000	133.0	A+	3		
	2.60	280	92	4900	141.0	A+	3	IP67	
	7.30	112	85	2700	262.0	A	8		RGB+W
	3.50	280	92	3000	187.0	A	4		
	3.50	280	92	4900	197.0	A+	4		
	10.10	112	85	2700	364.0	A	12		

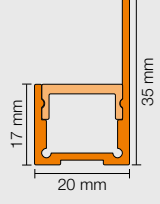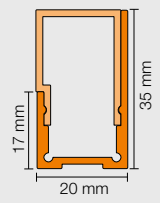|	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
					524	A	8		
	15	112	85	2700	521	A	17	IP67	
					524	B	33		
					523	B	42		

Note: LED strips can be shortened every 62.5 mm.
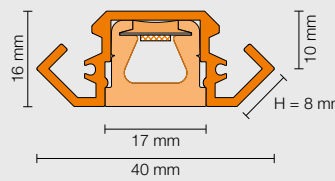
Schlüter®-LIPROTEC-LLPM

Schlüter-LIPROTEC-LLPM are plug-and-play LED modules consisting of a flexible, encapsulated LED strip with homogenous light dispersion and a receptacle profile made of aluminium or stainless steel with trapezoid perforated anchoring leg. The LED modules are available either with a fixed white-light colour temperature of 3000 K or 4900 K, or with a RGB+W colour range. The latter makes it possible to choose from more than 16 million hues and colour temperatures from 2500 K – 6500 K. The white LED module is available with an installation height of 11 mm, which means it can be installed flush with the tile thickness. *(Product data sheet 15.8)*

PROFILES / TYPE OF LIGHT	APPLICATION AREA		PROPERTIES	DIMENSIONS OF LED MODULE		
	ALUMINIUM	V4A		WIDTH / HEIGHT (mm)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE				ALUMINIUM	50	
					100	
				V4A	200	
					250	
RGB+W				ALUMINIUM	50	
					100	
				V4A	200	
					250	

Length of supply line: 12 cm with plug connector

Schlüter®-LIPROTEC-LLPE

Schlüter-LIPROTEC-LLPE are LED modules consisting of a flexible, encapsulated LED strips with homogenous light dispersion and a receptacle profile made of anodised aluminium. The LED module with RGB+W coloured light range makes it possible to choose from more than 16 million different hues and colour temperatures from 2500 K – 6500 K. With the LED module, accent lighting can be created at wall corners. It is suitable for use in internal and external corners in the shower, preferably with vertical alignment. *(Product data sheet 15.7)*

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	DIMENSIONS OF LED MODULE		
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (cm)	
RGB+W				250	

Length of supply line: 12 cm with plug connector
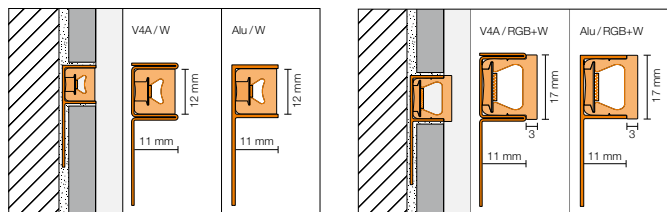
	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	5	280	92	3000 / 4900	265 / 282	A+ / A+	3 / 3	IP67	
					265 / 283	A / A	6 / 6		
					266 / 281	A / A	12 / 12		
					265 / 282	A / A	15 / 15		
	15	112	85	2700	524	A	8		
					521	A	17		
					524	B	33		
					523	B	42		

Note: LED hoses can be shortened every 25 mm (warm white/neutral white) or 62.5 mm (RGB+W).
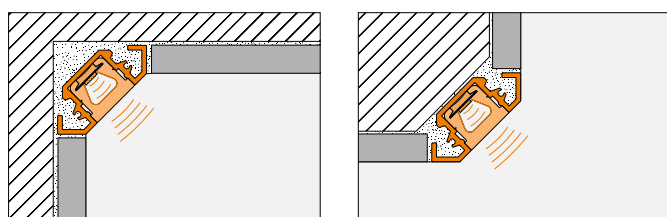
	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	15	112	85	2700	523	B	42	IP67	
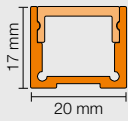
Note: LED strips can be shortened every 62.5 mm.
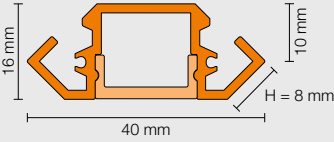
Schlüter®-LIPROTEC-LL

Schlüter-LIPROTEC-LL is a high-quality, anodised aluminium carrier profile for creating accent lighting in wall coverings and ceilings. The illumination is provided by Schlüter-LIPROTEC-ES LED strips laid into the U-shaped profile, in combination with the corresponding diffuser lens. Various direct or indirect light effects are created according to the positioning of the profile.

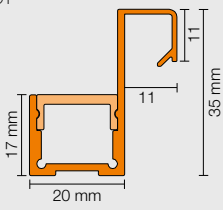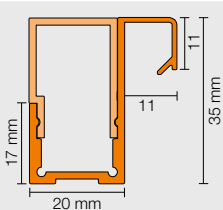| PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE	Vertical installation only	IP67	17 mm / 20 mm	2.5	50	
					100	
					150	
					200	
					250	
					400	
RGB+W					50	
					100	
					150	
					200	
					250	
					400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.5).*

Schlüter®-LIPROTEC-LLE

Schlüter-LIPROTEC-LLE is a high-quality carrier profile made of anodised or white coated aluminium for mounting the Schlüter-LIPROTEC-ES LED strips. The profile is designed to create accent lighting in wall corners. It is suitable for use in internal and external corners in horizontal or vertical alignment. With the respective pre-fabricated parts, continuous installations around corners are also possible. The profile can either be simply attached to any suitable substrate with a clip system or is embedded in the tile adhesive. For lighting, the selected LIPROTEC-ES LED strip is adhered within the profile and covered with the corresponding diffuser lens.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE	Vertical installation only	IP67	16 mm / 10 mm / 40 mm / H = 8 mm	2.5	50	
					100	
					150	
					200	
					250	
					400	
RGB+W					50	
					100	
					150	
					200	
					250	
					400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.7).*

Light border on 19 mm
Schlüter-KERDI-BOARD-K

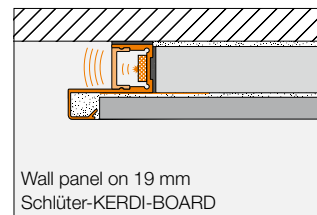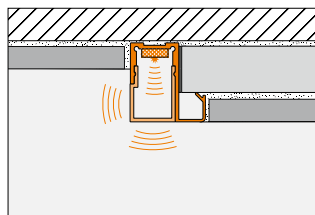| PHOTOMETRIC DATA								
RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERA-TURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
7.5	140	92	3400 / 4900	683 / 664	A++/A++	5 / 5	IP67	
				673 / 662	A+ /A+	9 / 9		
				670 / 627	A+ /A+	13 / 13		
				668 / 621	A+ /A+	17 / 17		
				662 / 623	A+ /A+	20 / 20		
				660 / 621	A+ /A+	32 / 33		
15.0	192 (96 RGB + 96 W)	85	2700	720	A	8		
				720	A	16		
				700	A	22		
				700	A	26		
				660	A	33		
				679	A	57		

Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

PHOTOMETRIC DATA								
RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERA-TURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
7.5	140	92	3400 / 4900	683 / 664	A++/A++	5 / 5	IP67	
				673 / 662	A+ /A+	9 / 9		
				670 / 627	A+ /A+	13 / 13		
				668 / 621	A+ /A+	17 / 17		
				662 / 623	A+ /A+	20 / 20		
				660 / 621	A+ /A+	32 / 33		
15.0	192 (96 RGB + 96 W)	85	2700	720	A	8		
				720	A	16		
				700	A	22		
				700	A	26		
				660	A	33		
				679	A	57		

Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

Schlüter®-LIPROTEC-WS

Schlüter-LIPROTEC-WS is a high-quality carrier profile of anodised aluminium for illuminating protruding wall panels with various Schlüter-LIPROTEC-ES LED strips integrated into the profile. Differing light effects are created in combination with two different diffuser lenses. The assembly can be used to create recessed direct or indirect lighting for on-wall structures. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE	Vertical installation only	IP67	INDIRECT 35 mm / 17 mm / 20 mm	1	50	
					100	
					150	
					200	
				1.5	250	
					400	
RGB+W			DIRECT 35 mm / 17 mm / 20 mm		50	
					100	
					150	
				2.5	200	
					250	
			Not in the shower		400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
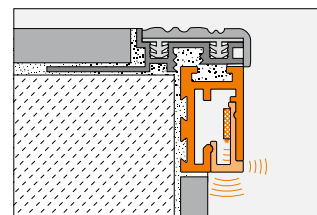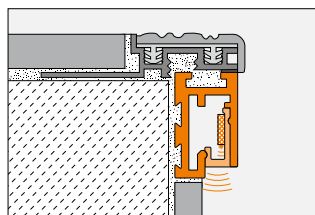The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.2).*

Schlüter®-LIPROTEC-WSK

Schlüter-LIPROTEC-WSK is a high-quality, anodised aluminium carrier profile for illuminating protruding wall panels with various Schlüter-LIPROTEC-ES LED strips laid into the profile. Differing light effects are created in combination with two different diffuser lenses. Recessed, indirect or narrow illumination for wall protrusions are created in this way. An integrated cable duct with milling grooves for cable installation and a support bracket for Schlüter-KERDI-BOARD (19 mm) aid the installation process.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE	Vertical installation only	IP67	INDIRECT 75 mm / 20.5 mm / 57.5 mm / 17.5	2.5	50	
					100	
					150	
					200	
					250	
					400	
RGB+W			DIRECT 75 mm / 20.5 mm / 57.5 mm / 17.5		50	
					100	
					150	
					200	
					250	
			Not in the shower		400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.2).*

PHOTOMETRIC DATA									
RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERA-TURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS	
7.5	140	92	3400 / 4900	683 / 664	A++/A++	5 / 5	IP67	INDIRECT	
				673 / 662	A+/A+	9 / 9			
				670 / 627	A+/A+	13 / 13			
				668 / 621	A+/A+	17 / 17			
				662 / 623	A+/A+	20 / 20			
				660 / 621	A+/A+	32 / 33			
15	192 (96 RGB + 96 W)	85	2700	720	A	8		DIRECT	
				720	A	16			
				700	A	22			
				700	A	26			
				660	A	33			
				679	A	57			

Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

PHOTOMETRIC DATA									
RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERA-TURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS	
7.5	140	92	3400 / 4900	683 / 664	A++/A++	5 / 5	IP67	INDIRECT	
				673 / 662	A+/A+	9 / 9			
				670 / 627	A+/A+	13 / 13			
				668 / 621	A+/A+	17 / 17			
				662 / 623	A+/A+	20 / 20			
				660 / 621	A+/A+	32 / 33			
15	192 (96 RGB + 96 W)	85	2700	720	A	8		DIRECT	
				720	A	16			
				700	A	22			
				700	A	26			
				660	A	33			
				679	A	57			

Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

EASY

PRO

PLAN

Schlüter®-LIPROTEC-WSQ
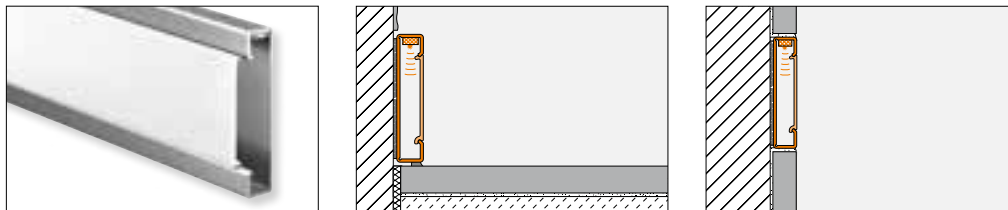
Schlüter-LIPROTEC-WSQ is a high-quality carrier profile of anodised aluminium for illuminating raised wall panels with various Schlüter-LIPROTEC-ES LED strips integrated into the profile. Differing light effects are created in combination with two different diffuser lenses. The assembly can be used to create recessed direct or indirect lighting for on-wall structures. LIPROTEC-WSQ features a formed cover finish with timelessly modern Schlüter-QUADEC design. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

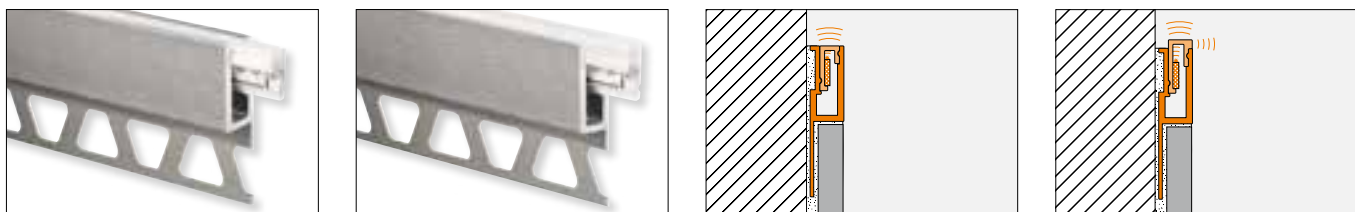| PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE/ NEUTRAL WHITE	Vertical installation only	IP67	INDIRECT 11 / 35 mm / 17 mm / 20 mm / 11	2.5	50	
					100	
					150	
					200	
					250	
					400	
RGB+W			DIRECT 11 / 35 mm / 17 mm / 20 mm / 11 Not in the shower		50	
					100	
					150	
					200	
					250	
					400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.2)*.

Schlüter®-LIPROTEC-PB

Schlüter-LIPROTEC-PB is a high-quality landing edge profile of anodised aluminium with a visible area of 25 mm. It is designed for mounting Schlüter-LIPROTEC-ES LED strips and can be used with Schlüter-TREP stair nosing profiles to create appealing lighting along the edges of platforms. Differing light effects are created in combination with two different diffuser lenses. Edges can either be illuminated indirectly or directly by adding a 3 mm light strip. Another application area of LIPROTEC-PB is the direct or indirect illumination of work surface front edges. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE / NEUTRAL WHITE		IP65	INDIRECT 28 mm / 25 mm / 16.5 mm	DIRECT 28 mm / 25 mm / 16.5 mm	1	50
						100
					1.5	150
						200
					2.5	250
						400

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.4)*.

Wall panel on 19 mm
Schlüter-KERDI-BOARD

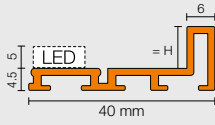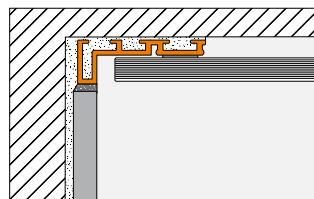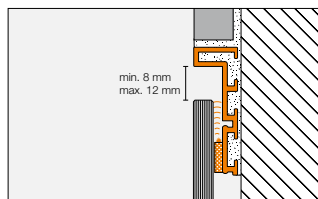|	PHOTOMETRIC DATA									
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS	
	7.5	140	92	3400 / 4900	683 / 664	A++/A++	5 / 5	IP67	INDIRECT	
					673 / 662	A+/A+	9 / 9			
					670 / 627	A+/A+	13 / 13			
					668 / 621	A+/A+	17 / 17			
					662 / 623	A+/A+	20 / 20			
					660 / 621	A+/A+	32 / 33			
	15	192 (96 RGB + 96 W)	85	2700	720	A	8		DIRECT	
					720	A	16			
					700	A	22			
					700	A	26			
					660	A	33			
					679	A	57			

Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

	PHOTOMETRIC DATA									
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS	
	7.5	140	92	3200 / 4900	616 / 625	A+ / A+	5 / 5	IP65	INDIRECT	
					602 / 616	A+ / A+	9 / 9			
					588 / 602	A+ / A+	13 / 13			
					574 / 588	A / A+	17 / 17		DIRECT	
					560 / 574	A / A	20 / 20			
					588 / 602	A / A	33 / 33			

Note: LED strips can be shortened every 50 mm.

EASY

PRO

PLAN
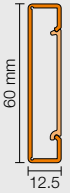
Schlüter®-DESIGNBASE-QD

Schlüter-DESIGNBASE-QD is a high quality-profile of anodised aluminium for versatile applications. It is designed for mounting various Schlüter-LIPROTEC-ES LED strips as a skirting or border profile in wall areas. A 39 mm diffuser lens is then used between the approx. 10 mm wide visible areas of the profile to create direct illumination. Other decorative materials such as tiles or wooden elements can also be inserted in the open space. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE / NEUTRAL WHITE	Vertical installation only	IP67	60 mm / 12.5	2.5	50	
					100	
					150	
					200	
					250	
					400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 16.1)*.

Schlüter®-LIPROTEC-VB

Schlüter-LIPROTEC-VB is a high-quality tile finishing profile for wall areas, with a visible area of 25 mm. It is designed for mounting Schlüter-LIPROTEC-ES LED strips and can be used to create varying light effects in combination with two different diffuser lenses. Indirect light can either radiate from the profile edge to the ceiling via adjoining materials or along the skirting. Additionally, a 3 mm light strip can create direct light. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
WARM WHITE / NEUTRAL WHITE		IP65	INDIRECT 25 mm = H / DIRECT 25 mm = H	1	50	
					100	
				1.5	150	
					200	
				2.5	250	
					400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.1)*.

EASY

PHOTOMETRIC DATA

	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
					683 / 664	A++/A++	5 / 5		
					687 / 662	A+ / A+	9 / 9		
	7.5	140	92	3400 / 4900	669 / 627	A+ / A+	13 / 13	IP67	
					665 / 621	A+ / A+	17 / 17		
					652 / 623	A+ / A+	20 / 20		
					665 / 621	A+ / A+	32 / 33		

Note: LED strips can be shortened every 50 mm (warm white/neutral white).

PRO

PHOTOMETRIC DATA

	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
					616 / 625	A+ / A+	5 / 5		INDIRECT
					602 / 616	A+ / A+	9 / 9		
	7.5	140	92	3200 / 4900	588 / 602	A+ / A+	13 / 13	IP65	
					574 / 588	A / A+	17 / 17		
					560 / 574	A / A	20 / 20		DIRECT
					588 / 602	A / A	33 / 33		

Note: LED strips can be shortened every 50 mm.

PLAN

Schlüter®-LIPROTEC-D

Schlüter-LIPROTEC-D is a decorative receptacle profile for wall areas of anodised aluminium with a visible area of 6 mm. It allows for the insertion of various decorative materials such as glass or mirrors to adjoin ceramic tile coverings. LIPROTEC-D can be used to mount Schlüter-LIPROTEC-ES LED strips for creating indirect light effects around a decorative element. The profile design allows for the easy replacement of the utilised diffuser lenses and bulbs, including after installation.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS			DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)		LENGTH (m)	LENGTH (cm)	
WARM WHITE / NEUTRAL WHITE				H = 4.5		50	
				H = 7.5		100	
			LED = H		2.5	150	
		IP65	40 mm	H = 9.0		200	
						250	
				H = 16.5		400	

Supply line: 3 m. The 400 cm LED strips are equipped with two supply lines each. The photometric data describes the LED strips only.
The optical efficiency is influenced by the properties of the diffuser lens *(Product data sheet 15.3).*

Wall panel sets (WSK)

The wall panel sets with RGB+W light makes it easy to make a big impression. Simply select between the wide (128.5 cm) and narrow (70 cm) wall panels and order the practical profile set with it. Our RGB+W technology provides you with unlimited design freedom: More than 16 million hues turn your rooms into colour-flooded leisure zones. White hues from 2500 K – 6500 K let your wall panels radiate the same light as your existing ceiling light. If desired, it can be controlled with a Bluetooth receiver. The matching Schlüter-Systems app can be downloaded for free from Google Play (Android™) or the Apple App Store (iOS).

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS	LENGTH (m)	DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)		LENGTH (cm)	
RGB+W		SET	INDIRECT 75 mm / 20.5 mm / 57.5 mm / 17.5	2,5	250	

Supply line: 3 m. The photometric data describes the LED strips only.

min. 8 mm
max. 12 mm

	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	7.5	140	92	3200 / 4900	616 / 625	A+ / A+	5 / 5	IP65	
					602 / 616	A+ / A+	9 / 9		
					588 / 602	A+ / A+	13 / 13		
					574 / 588	A / A+	17 / 17		
					560 / 574	A / A	20 / 20		
					588 / 602	A / A	33 / 33		
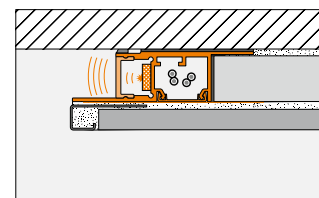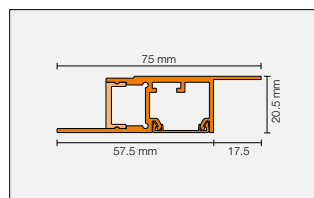
Note: LED strips can be shortened every 50 mm.

Schlüter-LIPROTEC-WSK 700

Schlüter-LIPROTEC-WSK 1285

75 mm
20.5 mm
57.5 mm
17.5

	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	15	192 (96 RGB + 96 W)	85	2700	660	A	33	IP67	INDIRECT
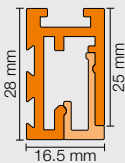
Note: LED strips can be shortened every 50 mm (warm white/neutral white) or 62.5 mm (RGB+W).

EASY

PRO

PLAN

Staircase sets (PB)

Schlüter-LIPROTEC-PB stair sets put light where it is needed: in the middle of the stair step. The PB 15 complete sets for 15 steps have 60 cm wide LED modules pre-mounted in the middle. With their diffuser lenses, they provide indirect illumination with a discreet line of light. The combinations of aluminium carrier profile and diffuser lens are 100/150 cm long and can be shortened individually as required. The LED modules have a 4500 K neutral white colour temperature and are cabled by means of a simple coupling system; a 500 cm connection cable and power supply are included in the set.

And if that isn't enough: the stair set can easily be expanded to 18 steps with only one supply line. To this end, use the Schlüter-LIPROTEC-PB 1 single-step sets.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LENGTH (cm)	
NEUTRAL WHITE		SET	DIRECT 28 mm / 25 mm 16.5 mm	1	60	
				1.5	60	
				1 (15 units)	60 (15 units)	
				1.5 (15 units)	60 (15 units)	

The photometric data describes the LED strips only.

Decorative frame sets (D)

Schlüter-LIPROTEC-D 90 are sets for creating illuminated decorative frames. With these complete sets, mirrors or design elements such as printed glass or decor panels can be elegantly framed with indirect LED lighting. The carrier profiles have already been mitred and four matching Schlüter-LIPROTEC-ES-LED strips with a colour temperature of 3300 K (warm white) or 4500 K (neutral white) are included in the set, as well as the power supply unit and all material for assembly and wiring.

PROFILES / TYPE OF LIGHT	APPLICATION AREA	PROPERTIES	PROFILE DIMENSIONS		DIMENSIONS LED STRIPS	
	ALUMINIUM		WIDTH / HEIGHT (mm)	LENGTH (m)	LÄNGE (cm)	
S1 WARM WHITE		SET	LED 4.5 / $.5$ = H / 6 / 40 mm	H = 9.0	1.185 / 0.935 (2 units)	110 / 85 (2 units)
S2 NEUTRAL WHITE						

Supply line: 3 m. The photometric data describes the LED strips only.

Schlüter-LIPROTEC-PB 15
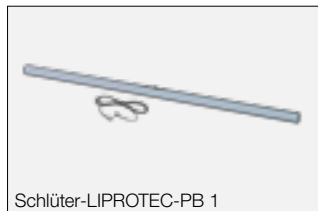
Schlüter-LIPROTEC-PB 1
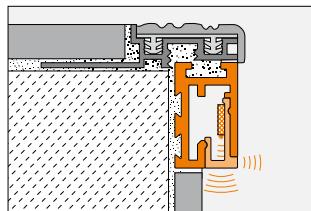
	PHOTOMETRIC DATA								
	RATED OUTPUT (W)	NUMBER OF LEDS (Unit)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	3.7	72	80	4500	375	A+	4	IP20	DIRECT
						A	58		

Note: Single step sets are delivered with a 70 cm connecting cable.
Complete sets with 15 profiles are supplied with a 500 cm cable supply line and 14 x 70 cm connecting cables.
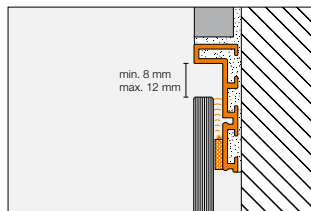
min. 8 mm
max. 12 mm

	PHOTOMETRIC DATA								
	RATED OUTPUT (W/m)	NUMBER OF LEDS (LEDS/m)	CRI	COLOUR TEMPERATURE (Kelvin)	LIGHT CURRENT (lm/m)	EEC	kWh / 1000h	DEGREE OF PROTECTION	LIGHT DIRECTIONS
	37.4	120	80	3300	594	B	37	IP65	
				4500	648	B	37		

Note: LED strips can be shortened every 50 mm.
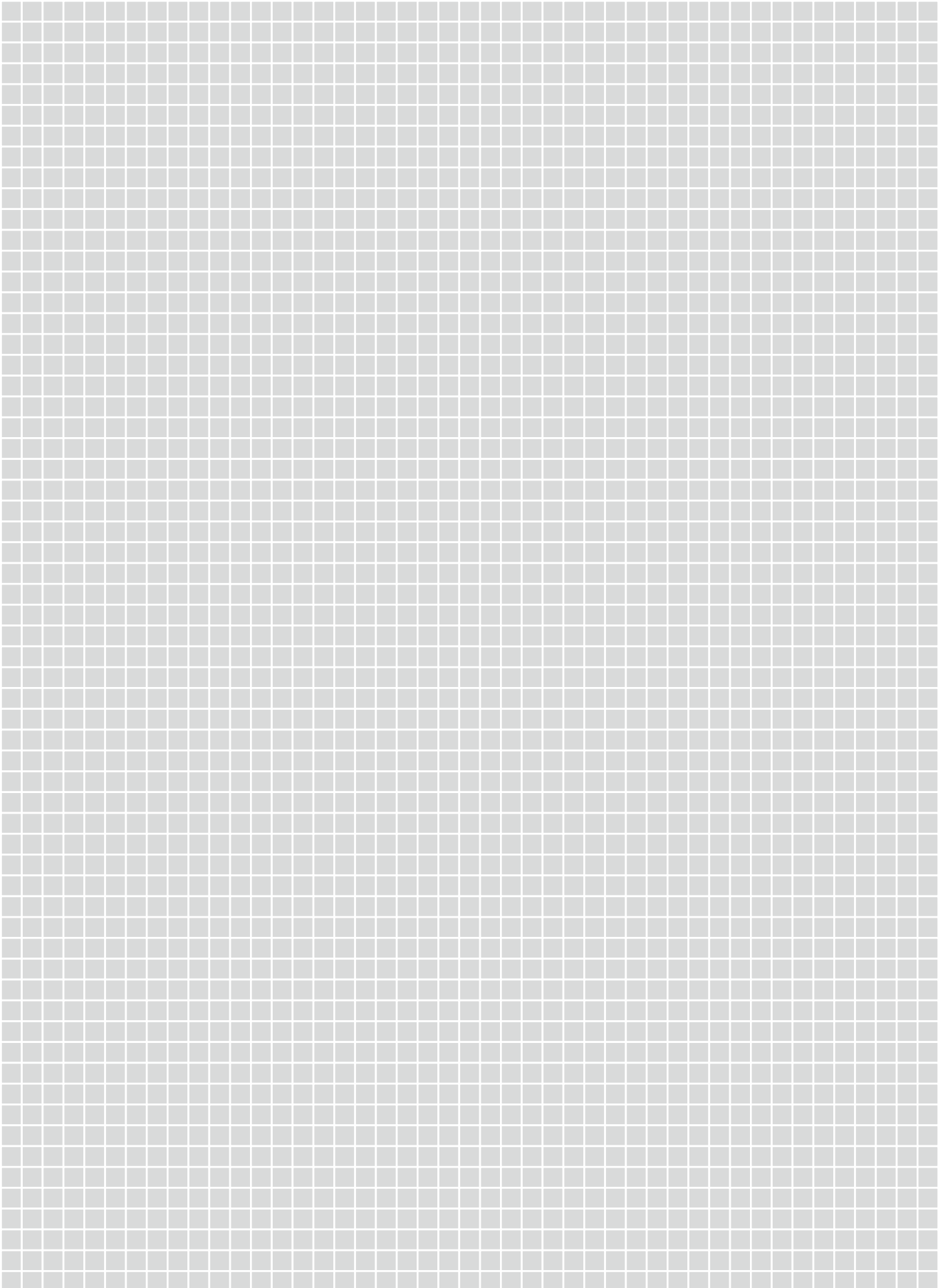
General Terms and Conditions

Subject to the General Terms and Conditions of Schlüter-Systems Ltd.
All previous price lists lose their validity on the publication of this price list. Errors, changes, and printing mistakes as well as changes necessary in the interest of product innovation or shipping reserved. For reasons of printing, colours shown in this price list may differ from actual product colours.

You find the actual "General Terms and Conditions" of Schlüter-Systems Ltd. here:
www.schluter.co.uk/downloads.aspx

Legend

Properties

Low assembly height

Plug-and-play

Available as a set

LED can be shortened

IP X5 (protection against water jets)

IP X7 (protection against temporary submersion)

Light control via Bluetooth/via app

Light control via radio

Lighting control via remote control

Lighting control via smartphone

Application areas

Suitable for use in the shower

Suitable for use on the wall

Suitable for use on the ceiling

Suitable for use in inner corners of rooms

Suitable for use on an external room corner

Suitable for use on the floor of privately used spaces

Suitable for use on staircase steps

For use in pool landscapes, but not underwater (increased resistance against chlorine)

Legend

Properties

Low assembly height

Plug-and-play

Available as a set

LED can be shortened

IP X5 (protection against water jets)

IP X7 (protection against temporary submersion)

Light control via Bluetooth/via app

Light control via radio

Lighting control via remote control

Lighting control via smartphone

Application areas

Suitable for use in the shower

Suitable for use on the wall

Suitable for use on the ceiling

Suitable for use in inner corners of rooms

Suitable for use on an external room corner

Suitable for use on the floor of privately used spaces

Suitable for use on staircase steps

For use in pool landscapes, but not underwater (increased resistance against chlorine)

www.liprotec.co.uk   www.schlueter-systems.com/app/

Please refer to the Technical Manual for detailed technical information on the installation of Schlüter-LIPROTEC and our warranty conditions.

**Schlüter®
Systems**

P R O F I L E   O F   I N N O V A T I O N