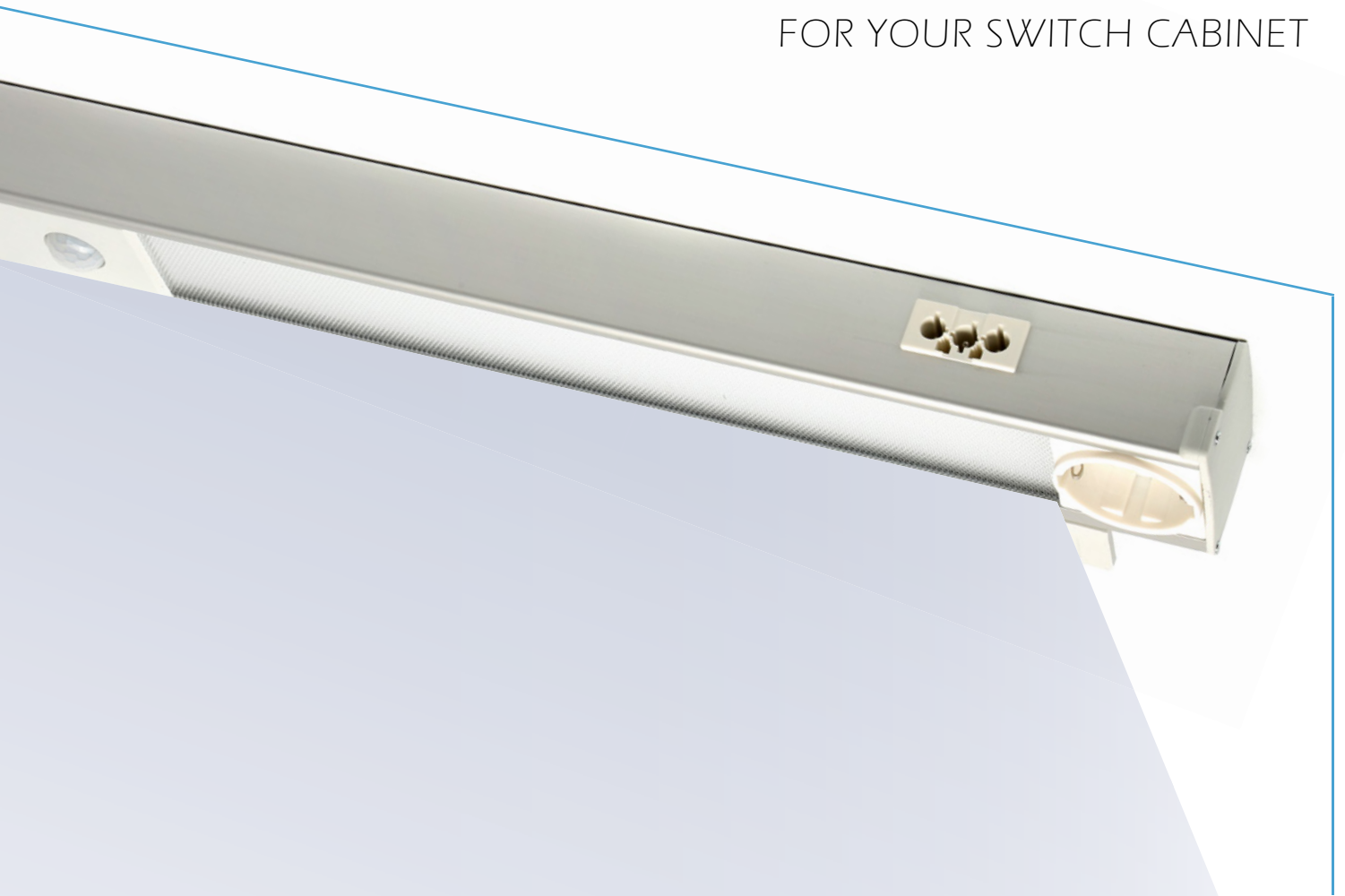


LED-ALUMINIUM LIGHTING

THE FLEXILBE SOLUTION
FOR YOUR SWITCH CABINET



In-house production

„WHY DO OUR CUSTOMERS TRUST US? BECAUSE WE OFFER THEM MORE THAN SOLUTIONS OFF THE PEG - STARTING FROM PIECE NUMBER 1.“

Jörg Richter, Manager Director

OUR MOTIVATION: YOUR REQUEST.

For more than 27 years we at Richter have been following a vision: to make good solutions even better in order to make your work easier. Therefore we keep developing ideas for the accessories of switch cabinets, which through small details make the important difference. The same applies to our cabinet lamps.

As your strong partner we support you with solutions, which are matched to your individual requests. This of course in reliable Richter Quality "Made in Germany".





LET THERE BE LIGHT!

AS FLEXIBLE AS NEVER BEFORE.

No control cabinet is like the other. For this reason you will stay flexible from the beginning with our LED Aluminium Lamps. Due to their special construction they can be installed the way that is best for you - above the door or vertically on the side. At any position. This is ensured by our continuous fastening groove with inserted square nuts and fixing brackets or the lateral mounting via slotted holes. Alternatively, you can also conveniently fix the light with a magnetic strip.

Once the lamp has been installed it is time to turn the light on! Whether via motion detector or door position switch - here, too, you have the choice and can decide on the solution that best suits your requirements. One thing they all have in common: the wide beam angle of 120°, which reliably illuminates your switch cabinet.



FURTHER ADVANTAGES:

- small mounting depth of only 60mm
- various voltages
- special lengths possible
- attractive price/performance ratio
- additional special fittings are possible (e.g. circuit breaker, USB-Charger, etc.)
- great range of accessories



LED-A-...-B-E

IN DETAIL

Strong performance in a small space: Here you will find the essential qualities of our compact LED Aluminium Lamp.
You will find other equipment versions on the following pages.

	LED-A-325-B-E-R-VX LED-A-325-B-E	LED-A-450-B-E-R-VX LED-A-450-B-E	LED-A-500-B-E-R-VX LED-A-500-B-E	LED-A-700-B-E-R-VX LED-A-700-B-E	LED-A-1000-B-E-R-VX LED-A-1000-B-E
Article number	109257 108157	111021 110957	109146 108158	109201 108159	109202 108160
Performance	8 W	12 W	14,5 W	14,5 W	29 W
Dimensions (L/W/H)	325 x 60 x 43 mm 375 x 60 x 43 mm	400 x 60 x 43 mm 450 x 60 x 43 mm	500 x 60 x 43 mm 550 x 60 x 43 mm	700 x 60 x 43 mm 750 x 60 x 43 mm	1000 x 60 x 43 mm 1050 x 60 x 43 mm
Width of standing cabinet	500 mm 400 mm	500 mm 600 mm	600 mm 800 mm	800 mm 1000 mm	1200 mm 1200 mm
Width of wall cabinet	— 400 mm	— 500 mm	— 600 mm	— 800 mm	— 1100 mm
Lumen	850	1275	1700	1700	3500
Voltage	210 – 240 V, 50/60 Hz				
Mounting option	Mounting above the door or lateral mounting				
Through wiring	16 A resilient				
Socket	earthed socket (16 A resilient)				
Operating temperature	minus10 to plus 45 °C, 90 % relative humidity (non condensing)				
Storage temperature	minus25 to plus 60 °C				
Degree of protection	IP 20, I				
Mounting	Fastening enables installation with a cordless screwdriver from below or lateral fastening for vertical + horizontal installation				
Mounting material	2 screws 5.5 x 13 mm				
Material	anodised aluminium				
Approbations	CE, EMC tested, in accordance with RoHS				
Light colour	4000 k (CRI 83)				

1 MOTION DETECTOR (-B)

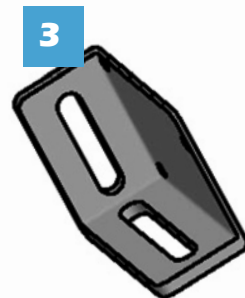
- switch -on time 8 min.

2 CHANGE-OVER SWITCH (-E)

- On-Off-Automatic

3 MOUNTING

- Easy assembly with electric screwdriver from below, mounting brackets can be moved using the continuous mounting groove (Version -R-VX)
- mounting in the front possible through lateral and horizontal slotted holes



4 MAINS CONNECTION INPUT

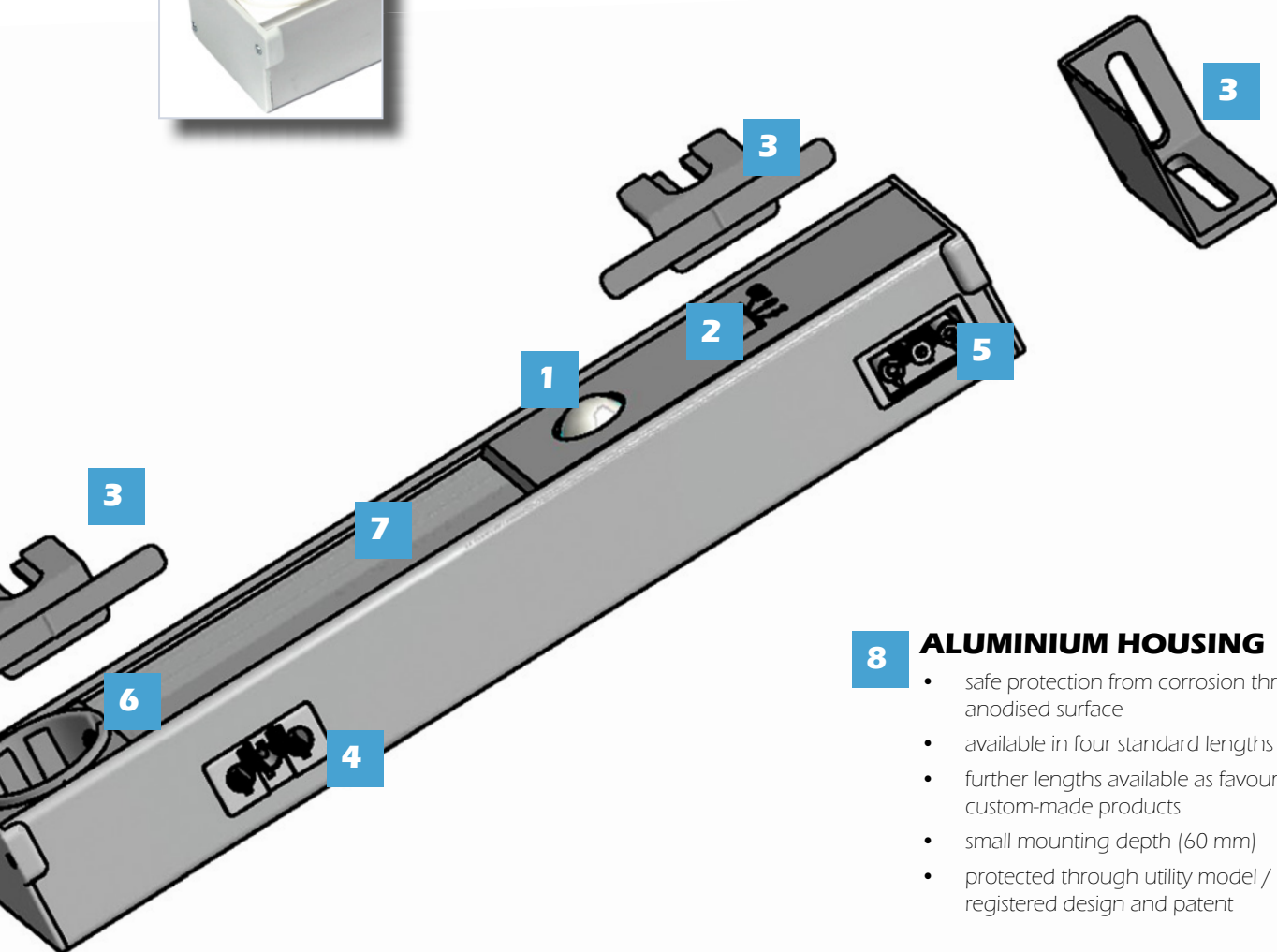
- three different voltages possible:
210 – 240 V, 110 – 120 V, 21 – 26 V/DC
- also possible: wide range control
100 – 240 V
- voltage supply line consistent with GST 18/3
or compatible product

5 MAINS CONNECTION OUTPUT

- through wiring 16 resilient
- can be used for the parallel connection of several lamps
- voltage supply line consistent with GST 18/3
or compatible product

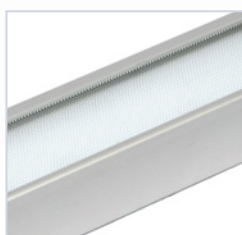
6 SOCKET

- 16 A resilient



7 LED MODULE

- free from interference
- reliable protection of the LED diodes
from dust or other pollution
- with integrated overvoltage protection



8 ALUMINIUM HOUSING

- safe protection from corrosion through
anodised surface
- available in four standard lengths
- further lengths available as favourable
custom-made products
- small mounting depth (60 mm)
- protected through utility model /
registered design and patent

LED-A-...-SK-E

In the -SK version, a door switch attached to an adapter plate is installed on the light

	LED-A-325-SK-E-R-VX LED-A-325-SK-E	LED-A-450-SK-E-R-VX LED-A-450-SK-E	LED-A-500-SK-E-R-VX LED-A-500-SK-E	LED-A-700-SK-E-R-VX LED-A-700-SK-E	LED-A-1000-SK-E-R-VX LED-A-1000-SK-E
Article number	109846 108247	111022 110954	109200 108340	109220 108416	109221 110433
Performance	8 W	12 W	14,5 W	14,5 W	29 W
Dimensions (L/W/H)	325 x 60 x 43 mm 375 x 60 x 43 mm	400 x 60 x 43 mm 450 x 60 x 43 mm	500 x 60 x 43 mm 550 x 60 x 43 mm	700 x 60 x 43 mm 750 x 60 x 43 mm	1000 x 60 x 43 mm 1050 x 60 x 43 mm
Width of standing cabinet	500 mm 400 mm	500 mm 600 mm	600 mm 800 mm	800 mm 1000 mm	1200 mm 1200 mm
Width of wall cabinet	– 400 mm	– 500 mm	– 600 mm	– 800 mm	– 1100 mm
Lumen	850	1275	1700	1700	3500
Voltage	210 – 240 V, 50/60 Hz				
Mounting option	Mounting above the door or lateral mounting				
Through wiring	16 A resilient				
Socket	earthed socket (16 A resilient)				
Operating temperature	minus10 to plus 45 °C, 90 % relative humidity (non condensing)				
Storage temperature	minus25 to plus 60 °C				
Degree of protection	IP 20, I				
Mounting	Fastening enables installation with a cordless screwdriver from below or lateral fastening for vertical + horizontal installation				
Mounting material	2 screws 5.5 x 13 mm				
Material	anodised aluminium				
Approbations	CE, EMC tested, in accordance with RoHS				
Light colour	4000 k (CRI 83)				

Unterschiede zu

1 DOOR SWITCH (-SK)

- on adapter plate

2 CHANGE-OVER SWITCH (-E)

- On-Off-Automatic



LED-A-...-SK-PK-E

SK-PK means that, in addition to a door switch, there is also a potential-free input and output attached to the light

	LED-A-325-SK-PK-E-R-VX LED-A-325-SK-PK-E	LED-A-450-SK-PK-E-R-VX LED-A-450-SK-PK-E	LED-A-500-SK-PK-E-R-VX LED-A-500-SK-PK-E	LED-A-700-SK-PK-E-R-VX LED-A-700-SK-PK-E	LED-A-1000-SK-PK-E-R-VX LED-A-1000-SK-PK-E
Article number	109224 109537	110960 110911	109069 108360	109030 108809	109860 110435
Performance	8 W	12 W	14,5 W	14,5 W	29 W
Dimensions (L/W/H)	325 x 60 x 43 mm 375 x 60 x 43 mm	400 x 60 x 43 mm 450 x 60 x 43 mm	500 x 60 x 43 mm 550 x 60 x 43 mm	700 x 60 x 43 mm 750 x 60 x 43 mm	1000 x 60 x 43 mm 1050 x 60 x 43 mm
Width of standing cabinet	500 mm 400 mm	500 mm 600 mm	600 mm 800 mm	800 mm 1000 mm	1200 mm 1200 mm
Width of wall cabinet	– 400 mm	– 500 mm	– 600 mm	– 800 mm	– 1100 mm
Lumen	850	1275	1700	1700	3500
Voltage	210 – 240 V, 50/60 Hz				
Mounting option	Mounting above the door or lateral mounting				
Through wiring	16 A resilient				
Socket	earthed socket (16 A resilient)				
Operating temperature	minus 10 to plus 45 °C, 90 % relative humidity (non condensing)				
Storage temperature	minus 25 to plus 60 °C				
Degree of protection	IP 20, I				
Mounting	Fastening enables installation with a cordless screwdriver from below or lateral fastening for vertical + horizontal installation				
Mounting material	2 screws 5,5 x 13 mm				
Material	anodised aluminium				
Approbations	CE, EMC tested, in accordance with RoHS				
Light colour	4000 K (CRI 83)				

1 DOOR SWITCH (-SK)

- on adapter plate

3 POTENTIAL-FREE INPUT AND OUTPUT (-PK)

- potential-free input and output for fan control, air conditioning or door surveillance

2 CHANGE-OVER SWITCH (-E)

- On-Off-Automatic



LED-A-...-ST-E

With the -ST variant, an external door switch and cable can be connected

	LED-A-325-ST-E-R-VX LED-A-325-ST-E	LED-A-450-ST-E-R-VX LED-A-450-ST-E	LED-A-500-ST-E-R-VX LED-A-500-ST-E	LED-A-700-ST-E-R-VX LED-A-700-ST-E	LED-A-1000-ST-E-R-VX LED-A-1000-ST-E
Article number	110039 109304	111088 110958	110040 108597	110041 108596	110042 110392
Performance	8 W	12 W	14,5 W	14,5 W	29 W
Dimensions (L/W/H)	325 x 60 x 43 mm 375 x 60 x 43 mm	400 x 60 x 43 mm 450 x 60 x 43 mm	500 x 60 x 43 mm 550 x 60 x 43 mm	700 x 60 x 43 mm 750 x 60 x 43 mm	1000 x 60 x 43 mm 1050 x 60 x 43 mm
Width of standing cabinet	500 mm 400 mm	500 mm 600 mm	600 mm 800 mm	800 mm 1000 mm	1200 mm 1200 mm
Width of wall cabinet	– 400 mm	– 500 mm	– 600 mm	– 800 mm	– 1100 mm
Lumen	850	1275	1700	1700	3500
Voltage	210 – 240 V, 50/60 Hz				
Mounting option	Mounting above the door or lateral mounting				
Through wiring	16 A resilient				
Socket	earthed socket (16 A resilient)				
Operating temperature	minus10 to plus 45 °C, 90 % relative humidity (non condensing)				
Storage temperature	minus25 to plus 60 °C				
Degree of protection	IP 20, I				
Mounting	Fastening enables installation with a cordless screwdriver from below or lateral fastening for vertical + horizontal installation				
Mounting material	2 screws 5.5 x 13 mm				
Material	anodised aluminium				
Approbations	CE, EMC tested, in accordance with RoHS				
Light colour	4000 k (CRI 83)				

1 CHANGE-OVER SWITCH (-E)

- On-Off-Automatic



2 CONNECTION FOR EXTERNAL DOOR SWITCH (ST)

- 3-pin connection for external door switch with cable



LED-A-...-VK

Special version

The front head variant offers the possibility to attach connections to the side of the light (all lights with switch)

	Article number	Performance	Lumen	Motion detector	Door switch	Potential-free Input/Output	Connection for ext. door switch	(L/W/H)
1	LED-A-325-B-E-VK	110341	8 W	850 lm	•			425 x 60 x 43 mm
	LED-A-450-B-E-VK	110546	12 W	1275 lm				450 x 60 x 43 mm
	LED-A-500-B-E-VK	110343	14,5 W	1700 lm				600 x 60 x 43 mm
	LED-A-700-B-E-VK	110345	14,5 W	1700 lm				750 x 60 x 43 mm
2	LED-A-325-SK-E-VK	110087	8 W	850 lm	•			425 x 60 x 43 mm
	LED-A-450-SK-E-VK	110952	12 W	1275 lm				450 x 60 x 43 mm
	LED-A-500-SK-E-VK	111094	14,5 W	1700 lm				600 x 60 x 43 mm
	LED-A-700-SK-E-VK	111095	14,5 W	1700 lm				750 x 60 x 43 mm
3	LED-A-450-SK-PK-E-VK	111023	8 W	1275 lm	•	•		450 x 60 x 43 mm
	LED-A-500-SK-PK-E-VK	111070	14,5 W	1700 lm				650 x 60 x 43 mm
	LED-A-700-SK-PK-E-VK	111096	14,5 W	1700 lm				800 x 60 x 43 mm
4	LED-A-325-ST-E-VK	110346	8 W	850 lm			•	425 x 60 x 43 mm
	LED-A-450-ST-E-VK	111028	12 W	1275 lm				450 x 60 x 43 mm
	LED-A-500-ST-E-VK	110331	14,5 W	1700 lm				600 x 60 x 43 mm
	LED-A-700-ST-E-VK	110418	14,5 W	1700 lm				750 x 60 x 43 mm

1 VK-CONNECTION WITH MOTION DETECTOR (-B)



2 VK-CONNECTION WITH DOOR SWITCH (-SK)



3 VK-CONNECTION WITH DOOR SWITCH + POTENTIAL-FREE INPUT AND OUTPUT (-SK-PK)



4 VK-CONNECTION FOR EXTERNAL DOOR SWITCH (-ST)



OPTIONAL

- without socket (-OS)
- sockets for various countries
- magnetic attachment (-MX)
- RCD-switch (-FI)
- Special voltages:
24 V DC, 120 V AC or 100-240 V AC
- UL approval

ACCESSORIES

Naturally we also offer the suitable accessories of high-quality for your LED Aluminium Lamp. Here you can take a look at a small selection from our wide range:



MAINS CABLE

- LL-N-30 (Standard)
- 3 m 3 x 1,5 mm² (orange)
- one side with mains connection socket (white)



CONNECTION CABLE

- LL-V-06 (Standard)
- 0,6 m 3 x 1,5 mm² (orange)
- with plug and socket (white)



DOOR SWITCH WITH CABLE ATTACHED

- door position switch with 0,4 m cable (orange)
- with 3-pin socket and fixing material
- with VX adapter plate



SERVICE



ANY FURTHER QUESTIONS ?

You can contact us via the following e-mail addresses:

Technical: info@richter-elektrotechnik.de
Inquiries: anfrage@richter-elektrotechnik.de
Orders: bestellung@richter-elektrotechnik.de

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RICHTER ELEKTROTECHNIK
GMBH & CO.KG

Alter Weg 1
57520 Niederdreisbach
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