LED Insert B450-2T TW DALI 40°

LED LIGHTING INSERT, 2 TUBES, NARROW BEAM 40°

Product code **221929**

- For professional refurbishment of luminaires with T5 or T8 fluorescent tubes
- Set consisting of 2 LED inserts and matching LED driver
- Universal use for all lighting tasks
- Excellent efficiency and durability
- Connect accessories available with powerful IoT lighting control for next-generation lighting projects (swarm function, grouping, cleaning light, etc.)
- Magnetic attachment for easy and quick mounting
- 5 lengths, 3 optics and 3 light colors available

441 x 32 x 24 mm



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Technical Data

IDENTIFICATION

Variant	**2 tubes**
Version	**Standard**
Model	**450 mm**

DIMENSIONS

Dimensions L × W × H	**441 x 32 x 24 mm**

ELECTRICAL

Mains connection	**220…240 V / 50 – 60 Hz**
Power	**19.6 W**
Replaceable driver	**Yes**
Type of wiring	**Suitable for through wiring**
LED rated current	**540 mA**

SENSOR TECHNOLOGY

With motion detector	**No**

CONNECTIVITY

Control technology	**Dali-Leuchte**
Networking via	**DALI 2**

LIGHTING TECHNOLOGY

Colour temperature	**2700…6500 K**
Colour rendering index	**80-89**
Illuminant	**LED**
Luminous flux	**3061 lm**
Beam angle	**38°**
Luminaire luminous efficacy	**156 lm/W**

LIFETIME

LED lifespan (25 °C)	**72000 h**

SETTINGS

DALI dimming	**Yes**
With emergency light	**No**
Suitable for light band configuration	**Yes**

HOUSING & MATERIAL

Protection class (IP)	**IP20**
Protection class	**I**
Ambient temperature	**-25…55 °C**
Housing material	**Aluminum**
Cover material	**PMMA**
Mounting type	**lighting insert**
Colour	**Aluminum**
With gear tray	**No**

SCOPE OF DELIVERY & WARRANTY

Manufacturer warranty	**5 years**

CERTIFICATES & EPREL

EPREL energy efficiency class	**C**

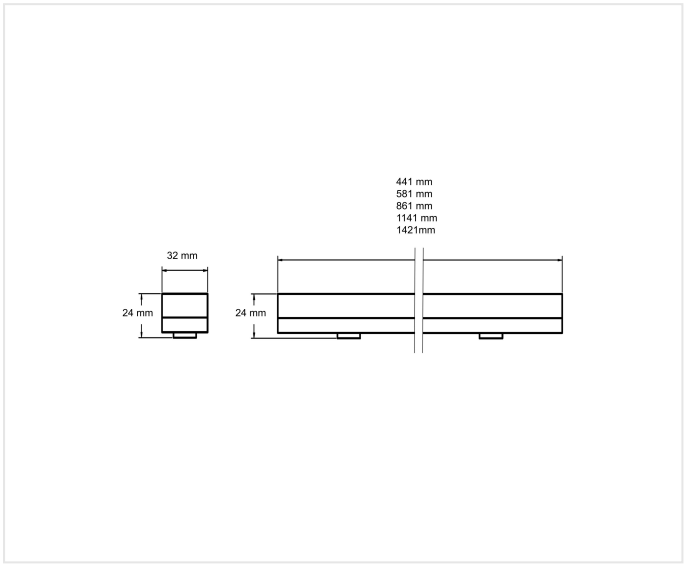
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Illustrations

TECHNICAL DRAWINGS



441 x 32 x 24 mm

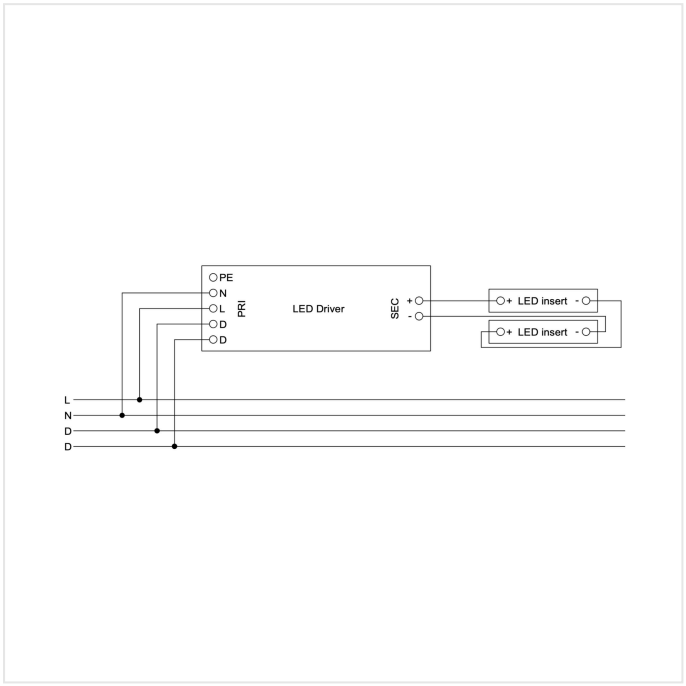
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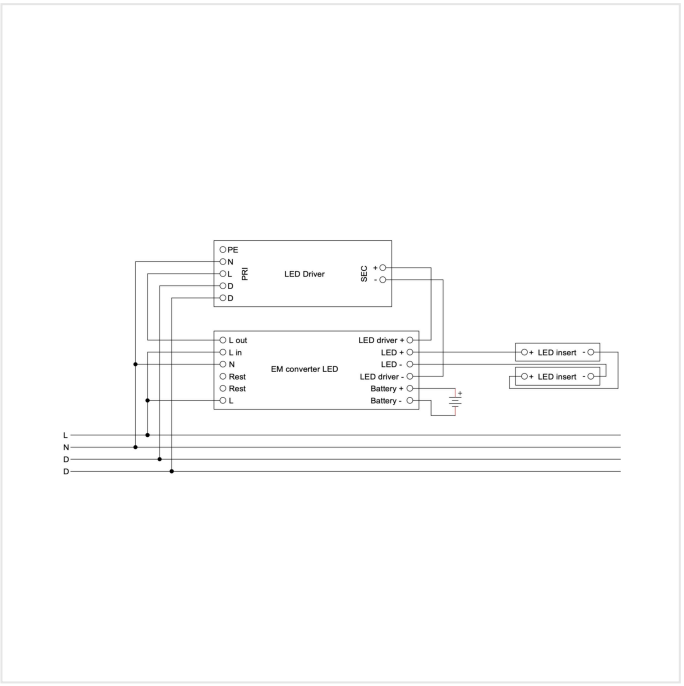
Wiring Diagrams

WIRING DIAGRAM 1



Wiring diagram

WIRING DIAGRAM 2



Wiring diagram Self-contained Emergency light

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Accessories

	ARTICLE NUMBER	DESCRIPTION	CATEGORY
	221935	**Connect Smartlink HF3 Astra PSU**	Connect accessories for DALI luminaires
	220688	**Emergency Package 1h (250V/3.5W)**	Self-contained emergency lighting with self-test function
	221965	**LED Insert M-Set 2SK**	Mounting set LED Insert, 2 metal discs and screws, 2 adhesive pads
	221966	**LED Insert M-Set 2S**	Mounting set LED Insert, 2 metal discs and screws
	221968	**LED Insert B M-Set K**	Mounting set LED Insert B, 2 brackets

ORDERING INFORMATION

Art.-Nr.	221929
Typ	**LED Insert B450-2T TW DALI 40°**

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