LED Insert B450 TW DALI DIF

LED LIGHTING INSERT, DIFFUSE OPTICS

Product code **221747**

- For professional refurbishment of luminaires with T5 or T8 fluorescent tubes
- 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
- 2 power classes, 5 lengths and 3 light colors available
- Including LED driver, optionally DALI or ON-OFF

441 x 35 x 40.5 mm



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Technical Data

IDENTIFICATION

Variant	**1 tube**
Version	**Standard**
Model	**450 mm**

DIMENSIONS

Dimensions L × W × H	**441 x 35 x 40.5 mm**

ELECTRICAL

Mains connection	**220…240 V / 50 – 60 Hz**
Power	**9.8 W**
Replaceable driver	**Yes**
Type of wiring	**Suitable for through wiring**
LED rated current	**270 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	**1224 lm**
Beam angle	**120°**
Luminaire luminous efficacy	**125 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	**D**

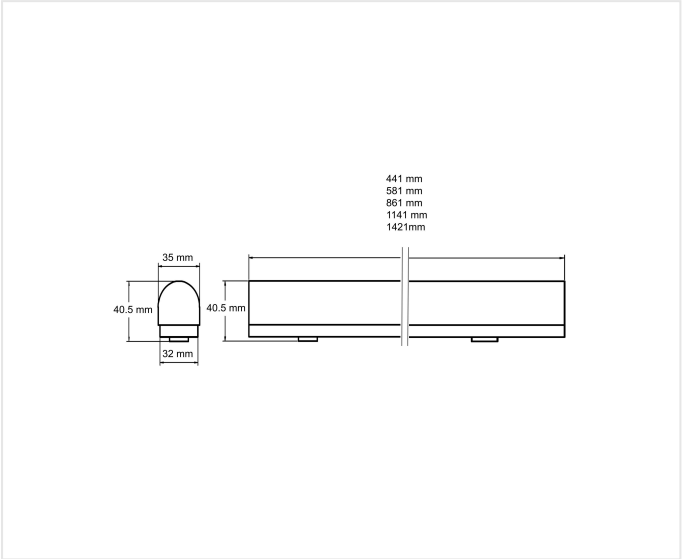
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Illustrations

TECHNICAL DRAWINGS



441 x 35 x 40.5 mm

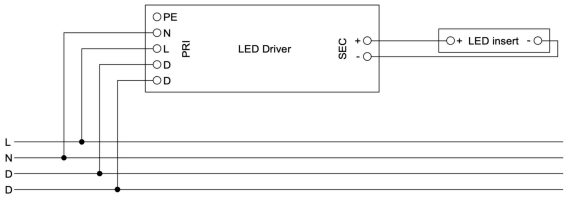
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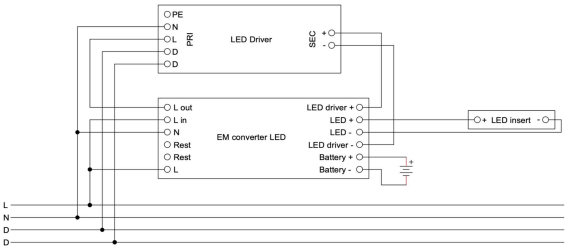
Wiring Diagrams

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
	221618	**Emergency Package 1h (50V/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.	221747
Typ	**LED Insert B450 TW DALI DIF**

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