# LED Insert B450 3K DALI 40°

**LED LIGHTING INSERT, NARROW BEAM 40°**

Product code **221737**

- 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, 3 optics and 3 light colors available

441 x 32 x 24 mm



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## Technical Data

### IDENTIFICATION

| | |
|---|---|
| Variant | **1 tube** |
| 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 | **11.0 W** |
| Replaceable driver | **Yes** |
| Type of wiring | **Suitable for through wiring** |
| LED rated current | **300 mA** |

### SENSOR TECHNOLOGY

| | |
|---|---|
| With motion detector | **No** |

### CONNECTIVITY

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

### LIGHTING TECHNOLOGY

| | |
|---|---|
| Colour temperature | **3000 K** |
| Colour rendering index | **80-89** |
| Illuminant | **LED** |
| Luminous flux | **1740 lm** |
| Beam angle | **38°** |
| Luminaire luminous efficacy | **158 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** |

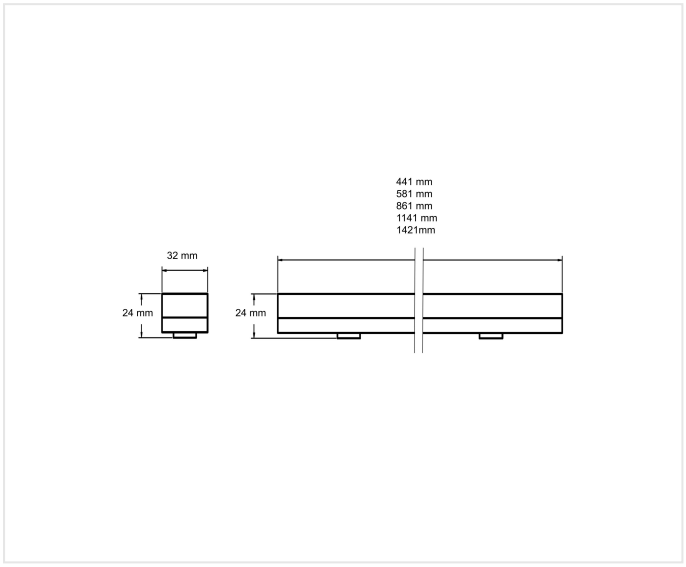
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## Illustrations

### TECHNICAL DRAWINGS




441 x 32 x 24 mm

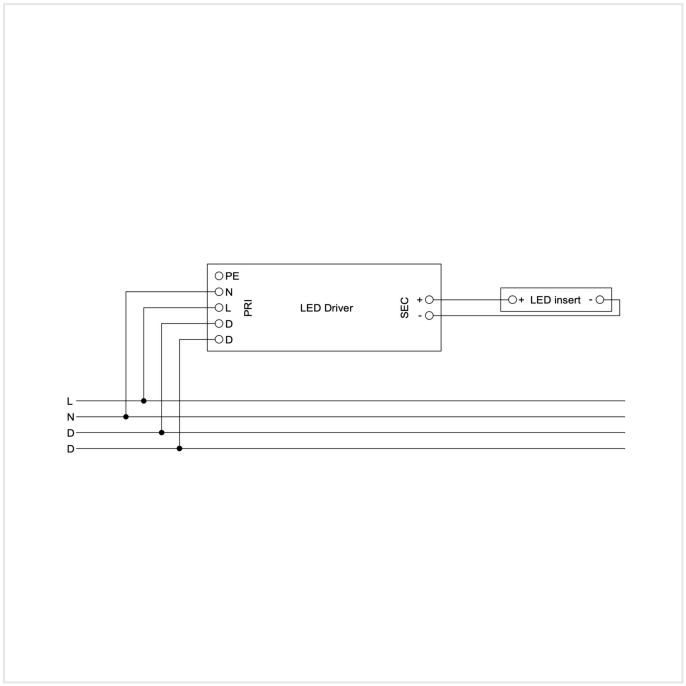
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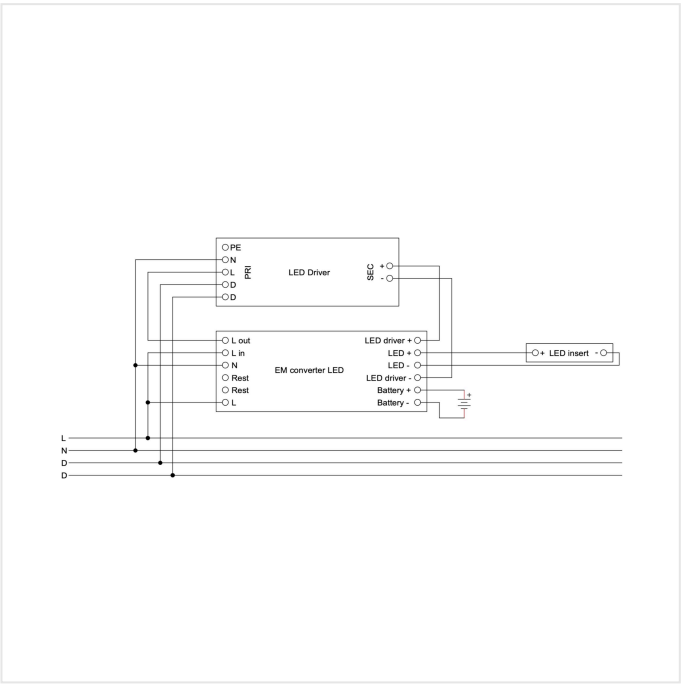
## Wiring Diagrams

### 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 |
|  | 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. | 221737 |
| Typ | **LED Insert B450 3K DALI 40°** |

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