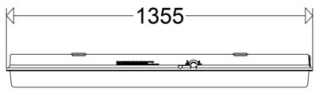
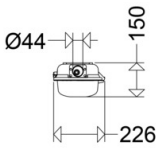
Explosion-protected LED pole mounted light fitting

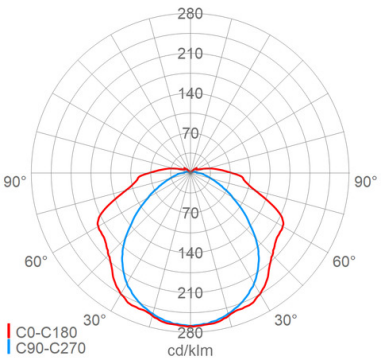
# e840 12L60 PM

**[ Item no. : 84005 0902 ]**






## General product description

Explosion-protected LED pole mounted light fitting with central locking system for zone 1/21. Glass fibre reinforced polyester housing, clear cover made of polycarbonate with internal prisms and silicone gasket. Aluminium reflector, varnished, with encapsulated LED modules and frosted covers for glare limitation, hinged and removable. Encapsulated ECG with overvoltage, overload and short circuit protection.

## General product benefits

- for application in food industry areas, in accordance with IFS/BRC/VDMA standards, applicable without restrictions in plants, that have to fulfil the HACCP Concept
- extremely robust light fitting with high material thickness of housing and cover
- comfortable central locking system for fast connection and component exchange
- innovative LED encapsulation with high transmission factor for least loss of light
- homogenous illumination due to frosted protective covers on the LED modules for comfortable perception of light and brilliant glare limitation as well as protection against mechanical and electrostatic damage
- high colour rendering index CRI≥80, according to the workplace guidelines suitable for nearly all plant locations
- sustainable, interchangeable components

## Applications

- hazardous areas zone 1 (gas) and zone 21 (dust)
- light fitting is not suitable for use in areas with permanently high humiditiy and short operation time, e.g. sewage plants and rainwater retention basins
- food industry, food processing factories and suppliers to the food industry that have to fulfil IFS, BRC or HACCP standards or comparably strict requirements (e. g. production of food packaging). The light fitting is not sutiable for cleaning with cleaning and disinfection agents as well as for cleaning with high pressure cleaners

# e840 12L60 PM

## [ Item no. : 84005 0902 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254286037 |

**Explosion protection**

| | |
|---|---|
| EX-Zone: | 1 , 21 , 2 , 22 |
| EX-marking gas: | II 2 G Ex eb mb op is q IIC T4 Gb |
| EX-marking dust: | II 2 D Ex op is tb IIIC T80°C Db |
| Primary ignition protection method: | eb |
| Temperature class: | T4 |
| Surface temperature: | T80°C |
| ATEX: | IBExU 19 ATEX 1135 |
| IECEx: | IECEx IBE 19.0027 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source with reflector and control gear replaceable by qualified person |
| Connected load: | 40 W |
| Luminaire luminous flux: | 5850 lm |
| Luminous efficacy: | 146 lm/W |
| Colour temperature: | 6500 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 865 |
| Admissible ambient temperature $T_a$: | -25 °C to +55 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | C |
| BEG-eligible (Germany): | Yes |

**Lighting technology**

| | |
|---|---|
| Optical system: | Diffuser |
| Optical system material: | PMMA |
| Light distribution: | wide beam |
| Photobiological safety: | RG1 |

**Service life**

| | |
|---|---|
| Service life LED: | L80B50>100000 h (@ Ta max), L80B50>100000 h (@ Ta 25°C), L90B50>75000 h (@ Ta 25°C) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 0 Hz, 50/60 Hz |
| Terminal clamp: | Cage clamp, 3-polig, 1 - 4 mm² |
| Max. no. with circuit breaker B16: | 19 |
| CB B10/B13/B20: | 12/16/24 |
| CB C10/C13/C16/C20: | 19/25/32/39 |

**Electrical connection**

| | |
|---|---|
| Cable entries: | M20 (1x), cable gland (1x), Plastic, 8 - 13 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP66 |
| IK rating: | IK10 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Side-entry mounting |
| Operating position: | downwards radiation |
| Mounting: | 2-point |
| Side-entry mounting: | Ø 42mm x 245mm |

**Housing**

| | |
|---|---|
| Housing material: | Glass fibre reinforced polyester |
| Colour: | grey |

**Cover**

| | |
|---|---|
| Cover type / material: | Diffuser (PC) |
| Cover characteristic: | clear with inner-prisms |
| Closure: | Central locking (hex socket 13mm) (Plastic) |

**Dimension/Weight**

| | |
|---|---|
| Length: | 1355.00 mm |
| Width / Diameter: | 226.00 mm |
| Height: | 150.00 mm |
| Net weight: | 8.10 kg |

# e840 12L60 PM

**[ Item no. : 84005 0902 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 90117 9006 | 2537 G | cable gland M25 with locknut for Ex-Zone 1/21 |
| 90118 9006 | 2538 G | screw plug M25 with locknut for Ex-Zone 1/21 |
| 90119 9001 | 2539 G | cable gland M25 with blanking plug and locknut for Ex-Zone 1/21 |
| 90259 9000 | KS25 G EX | breathing gland M25 for Ex-Zone 1/21 |
| 90001 0002 | H8V P | 2 suspension eyes with bolt M8, stainless steel |
| 90000 0002 | DS 15A P | ceiling rail (1 pair) galvanised steel with 2 M8 screws |
| 90032 0002 | DS 15AV P | ceiling rail (1 pair) stainless steel 1.4571 with 2 M8 screws |
| 90000 0011 | DW 84 AA P | ceiling mounting (1 pair) stainless steel 1.4301 with 2 M8 screws to equalise the different mounting distances |
| 90037 0004 | RO84 112 A P | Pipe clamp (1 pair) stainless steel material 1.4571 1 1/2" with support and 4 M8 screws also for pole mounting |
| 90038 0004 | RO84 2 A P | Pipe clamp (1 pair) stainless steel material 1.4571 1 2" with support and 4 M8 screws also for pole mounting |
| 26000 0008 | WW 26 L P | wall mounting (1 pair) galvanised steel 55° with 2 M8 screws long version |
| 26000 0002 | WW 26/30 P | wall mounting (1 pair) galvanised steel 30° with 2 M8 screws |
| 26000 0003 | WW 26/45 P | wall mounting (1 pair) galvanised steel 45° with 2 M8 screws |