

## Explosion-protected LED light fitting

**e855F L10**

[ Item no. : 85500 0001 ]

**General product description**

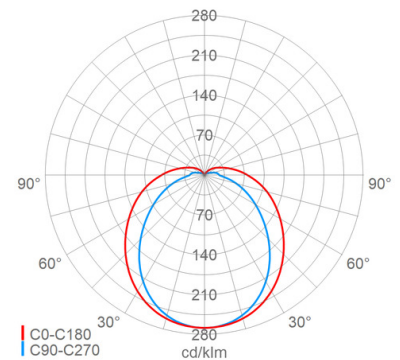
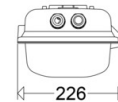
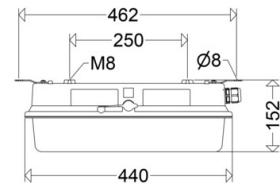
Compact explosion-protected LED light fitting with central locking system for zone 1/21. Glass fibre reinforced polyester housing, frosted cover made of polycarbonate with silicone gasket. Steel reflector, varnished, with encapsulated LED modules and protective covers, hinged and removable. Encapsulated ECG with overvoltage, overload and short circuit protection.

**General product benefits**

- 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 cover for comfortable perception of light and brilliant glare limitation
- protective cover on the LED modules for protection against mechanical and electrostatic damage
- high colour rendering index  $CRI \geq 80$ , according to the workplace guidelines suitable for nearly all plant locations
- sustainable, interchangeable components

**Applications**

- hazardous areas zone 1 (gas) and zone 21 (dust)
- general lighting of small rooms, above doors or information/escape route lighting (with pictogram)
- light fitting is not suitable for use in areas with permanently high humidity and short operation time, e.g. sewage plants and rainwater retention basins



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**Technical data****General**

EAN/GTIN: 4041254312569

**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 17 ATEX 1132  
 IECEX: IECEX IBE 17.0037

**Key technical data**

Light source: LED  
 LED module standard: Zhaga  
 Exchangeability: light source with reflector and control gear replaceable by qualified person  
 Connected load: 10 W  
 Luminaire luminous flux: 1060 lm  
 Luminous efficacy: 106 lm/W  
 Colour temperature: 6500 K  
 Colour rendering (CRI): ≥ 80  
 Light colour: 865  
 Admissible ambient temperature T<sub>a</sub>: -30 °C to +60 °C  
 Control gear: 1 x ECG, Overload protection, Short circuit protection  
 Energy efficiency class: C

**Lighting technology**

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

**Service life**

Service life LED: L80B50>100000 h (@ T<sub>a</sub> max),  
 L80B50>100000 h (@ T<sub>a</sub> 25°C),  
 L90B50>95000 h (@ T<sub>a</sub> 25°C)

**Electrical connection**

Rated voltage: 220 - 240 V, 0 Hz, 50/60 Hz  
 Terminal clamp: Cage clamp, 3-polig, 1 - 4 mm<sup>2</sup>  
 Max. no. with circuit breaker B16: 19  
 CB B10/B13/B20: 12/16/24  
 CB C10/C13/C16/C20: 19/25/32/39  
 Cable entries: M25 (2x), cable gland (2x), Plastic, 8 - 17 mm

**Electrical connection**

In-out wiring (RR): Yes

**Features/Certificates**

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

**Mounting**

Mounting method (accessories possibly needed): Suspended, Ceiling with bracket, Pole with pipe clamp, Pipe clamp, Mounting rail, Wall, Wall with bracket, Wall with angle  
 Operating position: downwards radiation, forwards radiation, vertical, horizontal  
 Mounting: 2-point

**Housing**

Housing material: Glass fibre reinforced polyester  
 Colour: grey

**Cover**

Cover type / material: Diffuser (PC)  
 Cover characteristic: satined  
 Closure: Central locking (hex socket 13mm) (Plastic)

**Dimension/Weight**

Length: 440.00 mm  
 Width / Diameter: 226.00 mm  
 Height: 152.00 mm  
 Net weight: 5.00 kg

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**Optional accessories / spare parts**

Item no.	Item name	Item description
85501 9001	ABD 855	
90117 9000	2537	cable gland M25 for Ex-Zone 1/21
90118 9000	2538	screw plug M25 for Ex-Zone 1/21
90119 9000	2539	cable gland M25 with blanking plug for Ex-Zone 1/21
90259 9000	KS25 G EX	breathing gland M25 for Ex-Zone 1/21
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
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
12112 0006	PIK 121/33 W	self-adhesive pictogram, emergency exit left viewing distance 30m
12112 0008	PIK 121/35 W	self-adhesive pictogram, emergency exit down viewing distance 30m
12112 0007	PIK 121/34 W	self-adhesive pictogram, emergency exit right viewing distance 30m