

## Explosion-protected LED light fitting

## ExeLED 1

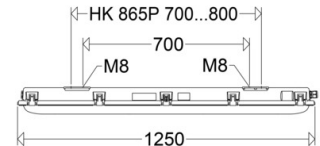
### e865F 12L42

[ Item no. : 86500 0001 ]



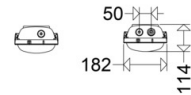
#### General product description

Explosion-protected LED light fitting ExeLED 1 for zone 1/21. Glass fibre reinforced polyester housing, frosted cover made of polycarbonate with silicone gasket and stainless steel clips, two of them as safety clip. Steel reflector, varnished, carrying the encapsulated LED modules, clipped into the cover, removable as a unit. Encapsulated ECG with overvoltage, overload and short circuit protection. External mounting system for variable mounting (accessory).



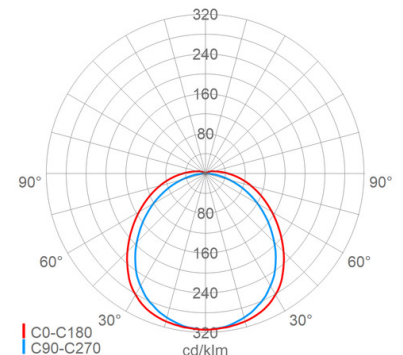
#### General product benefits

- 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
- innovative LED encapsulation with high transmission factor for least loss of light
- LED modules protected against mechanical and electrostatic damage by sandwich design of reflector and cover
- homogenous illumination due to frosted cover for comfortable perception of light and brilliant glare limitation
- high colour rendering index  $CRI \geq 80$ , according to the workplace guidelines suitable for nearly all plant locations
- FastFix mounting system - external mounting system for variable mounting distances and easy installation (accessory)
- sustainable, interchangeable components



#### Applications

Hazardous areas zone 1 (gas) and zone 21 (dust), 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 suitable for cleaning with cleaning and disinfection agents as well as for cleaning with high pressure cleaners, 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



## Explosion-protected LED light fitting

**ExeLED 1****e865F 12L42****[ Item no. : 86500 0001 ]****Technical data****Explosion protection**

EX-Zone:	1, 21, 2, 22
EX-marking gas:	II 2 G Ex eb mb q IIC T4 Gb
EX-marking dust:	II 2 D Ex tb IIIC T80°C Db
Primary ignition protection method:	eb
Temperature class:	T4
Surface temperature:	T80°C
ATEX:	IBExU 16 ATEX 1008
IECEX:	IECEX IBE 16.0010
UKCA:	BAS21UKEX0579

**Key technical data**

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source with reflector and control gear replaceable by qualified person
Connected load:	28 W
Luminaire luminous flux:	4360 lm
Luminous efficacy:	156 lm/W
Colour temperature:	6000 K
Colour rendering (CRI):	≥ 80
Light colour:	860
Admissible ambient temperature T <sub>a</sub> :	-30 °C to +55 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection

**Lighting technology**

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>80000 h (@ T <sub>a</sub> 25°C)
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**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 CB B16):	19
CB B10/B13/B20:	12/16/24
CB C10/C13/C16/C20:	19/25/32/39
Cable entries:	M25 (3x), screw plug (1x), cable gland (2x), Plastic, 8 - 17 mm
In-out wiring (RR):	Yes

**Housing**

Housing material:	Glass fibre reinforced polyester
Colour:	grey

**Cover**

Cover type/material:	Diffuser (PC)
Cover characteristic:	satined
Closure:	Clips (Stainless steel (1.4571))

**Mounting**

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

**Features/Certificates**

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

**Dimension/Weight**

Length:	1250.00 mm
Width/Diameter:	182.00 mm
Height:	114.00 mm
Net weight:	6.70 kg
EAN/GTIN:	4041254281896

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**Optional accessories/spare parts**

Item no.	Item name	Item description
86601 9014	ABD 8652F	cover PC satined
86601 9001	ABD 8654F	cover PC satined
86601 9000	ABD 8654	cover PC clear
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
86501 9003	HK865 P	2 retaining clips for variable mounting distances
90001 0002	H8V P	2 suspension eyes with bolt M8, stainless steel
90000 0002	15A P	2 ceiling brackets, hot galvanized steel
90032 0002	15AV P	2 ceiling brackets, stainless steel
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	W 26 L P	2 wall mounting angles, hot galvanized steel
26000 0002	W 26/30 P	2 wall mounting angles 30°, hot galvanized steel
26000 0003	W 26/45 P	2 wall mounting angles 45°, hot galvanized steel