

Explosion-protected LED floodlight

ExFOCO L

nD8700 4803A

[Item no. : 87000 0009]



General product description

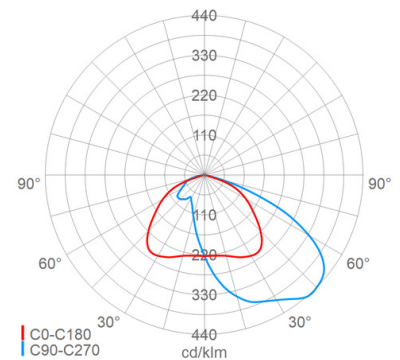
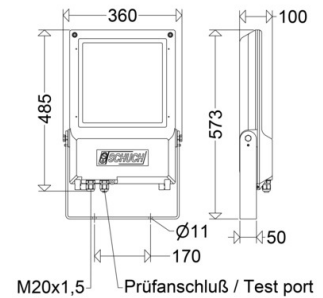
Explosion-protected LED floodlight ExFOCO L of the GreenLine series with outstanding sustainable product design for zone 2/22. Die-cast aluminium housing and glass frame, powder-coated. Glass frame with tempered safety glass pane, hinged, with silicone gasket. LED modules with highly efficient optics, direct beam, Multi-Layer-Technology, with direct connection to the housing for perfect thermal management. ECG with overvoltage, overload, short circuit protection as well as temperature monitoring of the LED modules. Mounting bracket for pole, wall and ceiling mounting, swivel range 180°.

General product benefits

- efficient substitute for conventional floodlights up to HIT 250W
- extremely high service life even at maximum admissible ambient temperature
- perfect thermal management due to direct connection of the LED modules to the housing, large cooling surface, excellent thermal conductivity
- uniform illumination due to Multi-Layer-Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- no light emission into the upper half space, ULOR=0
- eco-friendly; versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules
- GreenLine luminaire, outstanding sustainable design

Applications

- hazardous areas zone 2 (gas) and zone 22 (dust)
- outdoor and indoor areas, e.g. storage areas, construction sites, transport routes, loading stations, port areas, halls etc.
- 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: 4041254306933

Explosion protection

EX-Zone: 2, 22
 EX-marking gas: II 3 G Ex nR IIC T4 Gc
 EX-marking dust: II 3 D Ex tc IIIC T100°C Dc
 Primary ignition protection method: nR
 Temperature class: T4
 Surface temperature: T100°C
 ATEX: IBEExU 22 ATEX B012X
 IECEx: IECEx IBE 22.0021X

Key technical data

Light source: LED
 LED module standard: Zhaga
 Exchangeability: light source and control gear replaceable by qualified person
 Connected load: 106 W
 Luminaire luminous flux: 15200 lm
 Luminous efficacy: 143 lm/W
 Colour temperature: 4000 K
 Colour rendering (CRI): ≥ 70
 Light colour: 740
 Admissible ambient temperature T_a : -30 °C to +40 °C
 Control gear: 1 x ECG, Overload protection, Short circuit protection
 Energy efficiency class: C

Lighting technology

Optical system: Lens optics
 Optical system material: PMMA
 Light distribution: asymmetrical beam
 Photobiological safety: RG2

Service life

Service life LED: L80>100000 h (@ T_a max),
 L80>100000 h (@ T_a 25°C)

Electrical connection

Rated voltage: 220 - 240 V, 50/60 Hz
 Terminal clamp: Cage clamp, 3-polig, 0,75 - 2,5 mm²
 Max. no. with circuit breaker B16: 7
 CB B10/B13/B20: 5/6/9
 CB C10/C13/C16/C20: 7/9/11/14
 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): Ceiling with bracket, Wall with bracket
 Operating position: downwards radiation, forwards radiation
 Mounting: 2-point
 Swivel range: 0 - 180 °

Housing

Housing material: Die-cast aluminium
 Varnished: Yes
 Colour: DB 702

Cover

Cover type / material: Pane (Safety glass)
 Cover characteristic: clear
 Closure: screwed (Stainless steel (1.4301))

Sustainability

GreenLine: Yes
 Rezyklat material content $\geq 50\%$: 50 %
 Dismountable at end of life: Yes
 $\geq 80\%$ recyclable: 80 %
 Construction modular: Yes
 Spareparts availability > 10 years: Yes
 luminaire is upgradeable: Yes
 Guarantee 5 years: Yes
 Packaging made of 100% recyclet paper: Yes

Dimension/Weight

Length: 573.00 mm
 Width / Diameter: 360.00 mm
 Height: 100.00 mm
 Net weight: 9.70 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
90120 9000	2531	cable gland M20 for Ex-Zone 1/21
90122 9000	2533	cable gland M20 with blanking plug for Ex-Zone 1/21
90270 0006	ROB 60/76 G2	
75739 9001	MAU 1 76/170 M10	
75739 9002	MAU 2 76/170 M10	