LED damp-proof light fitting

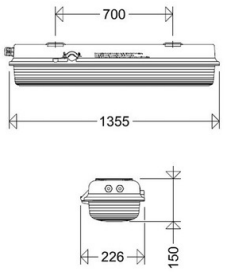
144 12L42 DIMD

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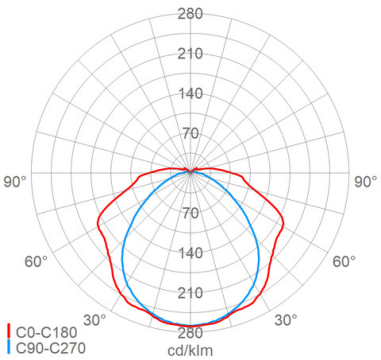
General product description

Extremely sturdy LED damp-proof light fitting with highly impact-resistant glass fibre reinforced polyester housing, clear PC diffuser with very high impact resistance, central locking system and silicone gasket. Powder-coated aluminium reflector with highly efficient Zhaga LED modules, frosted LED covers for glare limitation and ECG with overload and short circuit protection.



General product benefits

- extremely sturdy high-quality light fitting with high mechanical and chemical resistance, for long-term application in rough industrial areas
- housing and PC diffuser with high impact resistance, robust internal central locking system
- highly efficient by using high-quality LED modules
- homogenous illumination due to frosted protective covers on the LED modules, comfortable perception of light and brilliant glare limitation
- colour rendering index CRI>80, according to the workplace guidelines suitable for nearly all plant locations
- best suitable for food industry and food processing industry, in accordance with IFS Food (International Featured Standard Food)
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules



Applications

- humid, wet and dusty indoor areas and sheltered outdoor areas in commerce, craft, trade and industry, areas with high mechanical strains, exposed conditions with high wind loads as well as areas, where any external clips are not wanted or could create problems

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Technical data

General

EAN/GTIN:	4041254328515

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	29 W
Luminaire luminous flux:	4280 lm
Luminous efficacy:	148 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 80
Light colour:	840
Admissible ambient temperature T_a:	-20 °C to +40 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	B
I LED max:	300 mA
BEG-eligible (Germany):	Yes

Lighting control

Dimmable:	Yes
Dimming method:	DALI (DIMD)
Dimming range:	1 - 100 %
DALI-addresses per luminaire:	1
DALI-standard:	DT6

Lighting technology

Optical system:	Diffuser
Optical system material:	PMMA
Light distribution:	symmetrical wide beam
Beam angle:	120 °
Photobiological safety:	RG1

Service life

Service life LED:	L70>100000 h (@ Ta max), L80>70000 h (@ Ta max), L90>50000 h (@ Ta 25° C)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Cage clamp, 5-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	22
CB B10/B13/B20:	14/18/28
CB C10/C13/C16/C20:	22/29/37/45

Electrical connection

Cable entries:	M25 (3x), cable gland (2x), screw plug (2x), Plastic, 9 - 17 mm
In-out wiring (RR):	Yes

Features/Certificates

Protection class:	I
IP rating:	IP66
IK rating:	IK10
Limited surface temperature D:	Yes
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Ceiling with bracket, Ceiling with angle, Pole with pipe clamp, Pipe clamp, Mounting rail, 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:	clear with inner-prisms
Closure:	Central locking (hex socket 13mm)

Other features

International Food Standard (IFS):	Yes

Dimension/Weight

Length:	1355.00 mm
Width / Diameter:	226.00 mm
Height:	150.00 mm
Net weight:	6.61 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
84001 9004	ABD 8404 SIL	
25600 9000	2560	cable gland M25
90118 9000	2538	screw plug M25 for Ex-Zone 1/21
90259 9003	DAE20/25	breather M20 with extension M25
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
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