LED damp-proof light fitting

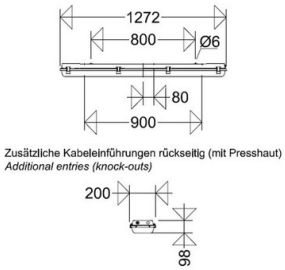
164 12L90 IFS

[Item no. : 16419 0001]



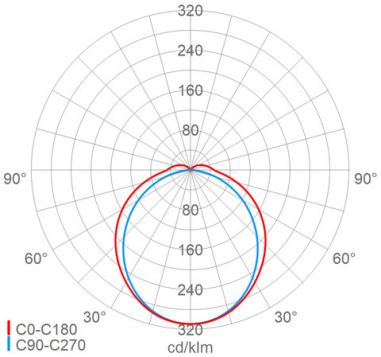
General product description

LED damp-proof light fitting for application in food areas according to International Featured Standard Food. Glass fibre reinforced polyester housing, clear PC diffuser, foamed gasket and stainless steel clips, incl. two safety clips. Powder-coated reflector with highly efficient Zhaga LED modules and ECG with 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
- high-quality light fitting with highly mechanical resistance
- shatterproof PC diffusor with very high impact resistance
- highly efficient by using high-quality LED modules
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules



Applications

- humid, wet and dusty indoor areas and sheltered outdoor areas in commerce, trade and industry etc.
- 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

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Technical data

General

EAN/GTIN:	4041254281438

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	58 W
Luminaire luminous flux:	9530 lm
Luminous efficacy:	164 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:	2 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	B
I LED max:	300 mA
BEG-eligible (Germany):	Yes

Lighting technology

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, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	8
CB B10/B13/B20:	6/7/11
CB C10/C13/C16/C20:	8/10/13/16
Cable entries:	M20 (2x), blanking plug (2x), Plastic, 8 - 15 mm

Features/Certificates

Protection class:	I
IP rating:	IP65
IK rating:	IK09
Limited surface temperature D:	Yes
Approval marks:	CE

Mounting

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

Housing

Housing material:	Glass fibre reinforced polyester
Colour:	grey

Cover

Cover type / material:	Diffuser (PC)
Cover characteristic:	pearled
Closure:	Clips (Stainless steel (1.4310))

Other features

International Food Standard (IFS):	Yes

Dimension/Weight

Length:	1272.00 mm
Width / Diameter:	200.00 mm
Height:	98.00 mm
Net weight:	3.10 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
16411 9008	ABD 164 036 F G2	cover PMMA frosted
16411 9009	ABD 164 058 F G2	cover PMMA frosted
16411 9004	ABD 164 036 PC	cover PC clear pearled
16411 9005	ABD 164 058 PC	cover PC clear pearled
90063 9000	2511	blanking plug M20
25610 9000	2561	cable gland M20
25600 9000	2560	cable gland M25
90123 9007	163 KK/KKS VE08	locking clips (8 pcs.) with 2 safety clips
90123 9006	163 KE/KES VE08	locking clips (8 pcs.) with 2 safety clips
90123 9004	163 KKS P	safety clips (1 pair)
90123 9005	163 KES P	safety clips (1 pair)
90004 0005	SK 240	wire guard powder coated for 162 12../164 12..
90004 0006	SK 265	wire guard powder coated for 162 15../164 15..
90245 0005	164 RO 112 A P	2 pipe clamps 1 1/2", stainless steel, with support
90245 0006	164 RO 2 A P	2 pipe clamps 2", stainless steel, with support
90049 0002	183 S	hook stainless steel for chain mounting
90095 0001	DS 183	ceiling rail stainless steel with M5 screw