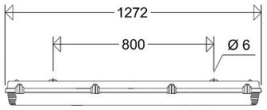
161 12L VARIO LM

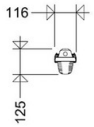
[Item no. : 16119 0399]



General product description

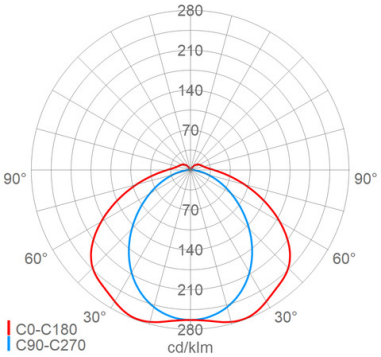
Sturdy LED damp-proof light fitting for application in food areas according to International Featured Standard Food. Highly impact-resistant glass fibre reinforced polyester housing and shatterproof, highly chemical-resistant diffuser with high impact resistance, clear with inner prisms. Captive stainless steel clips, multi-part, incl. two safety clips, silicone gasket and pressure compensation system. Powder-coated aluminium 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
- universally usable due to variable setting of the luminous flux depending on the requirement (replaces fluorescent lamps from 1x36W up to 2x58W)
- high flexibility due to almost infinitely variable luminous flux setting
- quick and easy adjustment on-site
- adjustable at any time (e.g. change of use of the premises with new requirements in regard to the level of illumination
- sturdy, extremely reliable high-quality light fitting
- high impact resistant housing, chemical and UV resistant
- shatterproof special diffusor with very high impact resistance even at high long-term operating temperature
- resistant to greases and aggressive cleaning agents, disinfectants and solvents (we recommend the respective cleaning agents and disinfectants to be tested on their resistance (resistance index on request)
- highly efficient by using high-quality ECG and LED modules
- homogenous illumination due to frosted protective covers on the LED modules, comfortable perception of light and brilliant glare limitation
- 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 high pressure cleaners
- areas, where one standardised LED-light fitting with variable setting of luminous flux shall be used for different illumination tasks

161 12L VARIO LM

[Item no. : 16119 0399]

Technical data

General

EAN/GTIN:	4041254263854

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	15 W, 39 W
Luminaire luminous flux:	2410 lm, 5920 lm
Luminous efficacy:	161 lm/W, 152 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 80
Light colour:	840
Admissible ambient temperature T_a:	-20 °C to +45 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	B
I LED max:	400 mA
BEG-eligible (Germany):	Yes
Special features:	variable and almost stepless adjustable luminous flux/connected load (Attention: only min, max values listed above). Max. ambient temperature depending on luminous flux setting

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, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	16
CB B10/B13/B20:	11/13/21
CB C10/C13/C16/C20:	16/21/27/33

Electrical connection

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 (high chemical resistant)
Cover characteristic:	clear with inner-prisms
Closure:	Clips (Stainless steel (1.4571))

Dimension/Weight

Length:	1272.00 mm
Width / Diameter:	116.00 mm
Height:	125.00 mm
Net weight:	2.70 kg

161 12L VARIO LM

[Item no. : 16119 0399]

Optional accessories / spare parts

Item no.	Item name	Item description
16111 9035	ABD 161 018 F	cover PMMA frosted
16111 9031	ABD 161 036 F	cover PMMA frosted
16111 9032	ABD 161 058 F	cover PMMA frosted
16111 9036	ABD 161 018 F PC	cover PC frosted
16111 9033	ABD 161 036 F PC	cover PC frosted
16111 9034	ABD 161 058 F PC	cover PC frosted
16111 9017	ABD 161 018 LM	cover high chemical resistant clear IFS
16111 9018	ABD 161 036 LM	cover high chemical resistant clear IFS
16111 9019	ABD 161 058 LM	cover high chemical resistant clear IFS
90004 0001	SK 120	wire guard powder coated for 161 06..
90004 0002	SK 140	wire guard powder coated for 161 12..
90004 0003	SK 165	wire guard powder coated for 161 15..
90053 9008	KK/KKS FR VE10	locking clips (10 pcs.) with 2 safety clips
90055 9004	KE/KES VE10	locking clips (10 pcs.) with 2 safety clips
90053 9004	KKS FR P	safety clips (1 pair)
90055 9005	KES P	safety clips (1 pair)
90063 9000	2511	blanking plug M20
25610 9000	2561	cable gland M20
25600 9000	2560	cable gland M25
90259 9002	DAE20	breather M20
90259 9003	DAE20/25	breather M20 with extension M25
90093 0002	183 RO 112 A P	2 pipe clamps 1 1/2", stainless steel, with support
90094 0002	183 RO 2 A P	2 pipe clamps 2", stainless steel, with support
90045 9001	HW 30 P	wall and ceiling mounting (1 pair) aluminium 30°
90045 9002	HW 45 P	wall and ceiling mounting (1 pair) aluminium 45°
90045 9004	HW 60 P	wall and ceiling mounting (1 pair) aluminium 60°
90045 9003	HW 90 P	wall and ceiling mounting (1 pair) aluminium 90°
90049 0002	183 S	hook stainless steel for chain mounting
90095 0001	DS 183	ceiling rail stainless steel with M5 screw