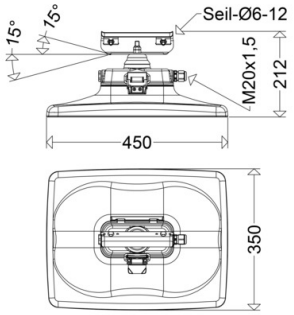
LED rope-supported light fitting

PENDO
59 L100 VARIO 730
[Item no. : 59005 0008]



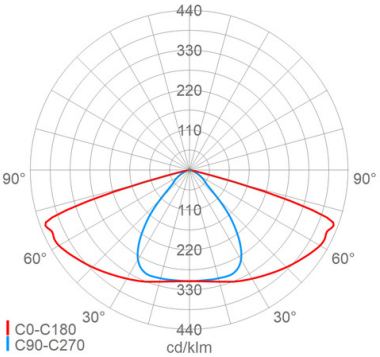
General product description

LED rope-supported light fitting with variably adjustable luminous flux. Consisting of powder-coated die-cast aluminium housing, two-part. Upper part with bracket, adjustable inclination, cable entry and pressure compensation system. Lower part with LED modules, highly-efficient optics, switch for setting the luminous flux, frameless safety glass pane and ECG, hinged and detachable. Isolating plug connection and strain relief in junction box between upper and lower part, hinged and toolless accessible. Zhaga LED modules with highly efficient optics, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Rope mounting with stainless steel bracket, rotatable (360°) and tiltable (15°) for ropes Ø 6-12mm.



General product benefits

- reduction of type diversity due to variably adjustable luminous flux
- simple, fast and toolless setting of the luminous flux on-site by means of integrated DIP switch, adjustable at any time
- high flexibility due to almost infinitely variable luminous flux setting (256 setting options)
- highly economical stocking
- long-lasting, corrosion-resistant die-cast aluminium housing with smooth surface without cooling fins
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- Integrated pressure equalisation system for defined ‘breathing’ prevents condensation from forming inside the luminaire.
- toolless removable lower part of the housing allows comfortable, time- and cost-saving mounting in 2 steps: 1. Hinge upper part with bracket onto the rope and connect mains, 2. Hinge lower part, connect isolating plug, shut the housing and lock. READY
- universal usage on crosswise, lengthwise and inclined ropes or 3-point rope supports (see "Optional accessories")
- toolless disconnection (also electrical!) of the lower part from the upper part allows comfortable replacement of components on-site or in the workshop, no extensive dismounting or painful overhead working necessary
- homogenous 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
- versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- interchangeable components
- future proof by using standardised Zhaga LED modules



Applications

- Residential streets, main and by-roads with rope mounting

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Technical data

General

EAN/GTIN:	4041254403281

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	16 W, 70 W
Luminaire luminous flux:	2800 lm, 11480 lm
Luminous efficacy:	175 lm/W, 164 lm/W
Colour temperature:	3000 K
Colour rendering (CRI):	≥ 70
Light colour:	730
Admissible ambient temperature T_a:	-40 °C to +25 °C
Control gear:	1 x ECG (NFC-enabled), Overload protection, Short circuit protection
Energy efficiency class:	C
Overvoltage protection:	10 kV
I LED max:	700 mA
Special features:	variable and almost stepless adjustable luminous flux (Attention: only min, max values listed above)

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	symmetrical wide beam
Photobiological safety:	RG1

Service life

Service life LED:	L95>100000 h (@ Ta max)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Plug, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	12
CB B10/B13/B20:	8/10/16
CB C10/C13/C16/C20:	12/16/20/24
Cable entries:	M20 (1x), cable gland (1x), Plastic, 6 - 13 mm

Features/Certificates

Protection class:	II
IP rating:	IP66
IK rating:	IK10
Approval marks:	CE, VDE, ENEC

Mounting

Mounting method (accessories possibly needed):	Rope
Operating position:	downwards radiation
Swivel range:	-15 - 15 °
Rope diameter:	6 - 12 mm
Wind-exposed surface:	0.04 m²

Housing

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

Cover

Cover type / material:	Pane (Safety glass)
Cover characteristic:	clear
Closure:	screwed (Stainless steel V4A)

Other features

Pressure compensation system:	Yes

Product life cycle

Dismountable at end of life:	Yes
recyclable:	≥ 90 %
Construction modular:	Yes
Spareparts availability > 10 years:	Yes
luminaire is upgradeable:	Yes
Guarantee 5 years:	Yes
Packaging made of 95% recyclet paper:	Yes

Dimension/Weight

Length:	450.00 mm
Width / Diameter:	350.00 mm
Height:	212.00 mm
Net weight:	7.00 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
49001 9003	ABD 59 ESGW	safety glass pane clear