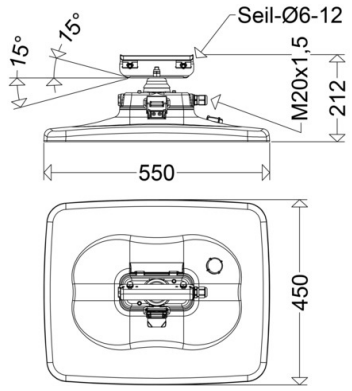
LED rope-supported light fitting

PENDO
49 6402 RFLO
[Item no. : 49002 0005]



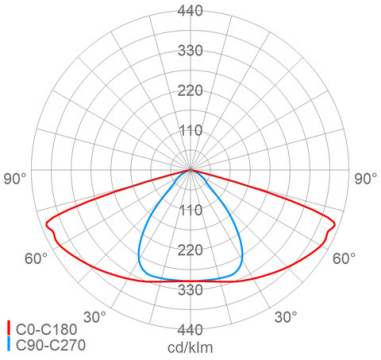
General product description

LED rope-supported light fitting 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, 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 socket on the top and/or bottom of the housing. 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. Thanks to their Zhaga Book 18-compliant base and integrated D4i control gear, RFL luminaires are optimally prepared for “plug-and-play” use with a light management system or sensor technology (e.g. motion detectors). To avoid functional limitations or possible damage to the system, we strongly advise against using components that are not D4i-certified.



General product benefits

- later use of a light management system possible at any time
- quick assembly of the light management system components, no tools required
- standardized Zhaga socket allow free choice of light management system
- 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:	4041254403137

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	99 W
Luminaire luminous flux:	17520 lm
Luminous efficacy:	177 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 70
Light colour:	740
Admissible ambient temperature T_a:	-40 °C to +40 °C
Control gear:	1 x ECG (NFC-enabled), Overload protection, Short circuit protection
Energy efficiency class:	B
Overvoltage protection:	10 kV
I LED max:	500 mA

Lighting control

Light management system:	Ready for Light Management Systems (RFL)
RFL socket:	socket on the top (RFLO)

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, Screw terminal, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	23
CB B10/B13/B20:	15/19/29
CB C10/C13/C16/C20:	23/31/39/47
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

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:	≥ 80 %
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:	550.00 mm
Width / Diameter:	450.00 mm
Height:	212.00 mm
Net weight:	11.80 kg

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[Item no. : 49002 0005]

Optional accessories / spare parts

Item no.	Item name	Item description
49001 9001	ABD 49 ESGW	safety glass pane clear
90546 9027	RFL LASC DS GPS	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with light sensor and GPS antenna
90546 9010	RFL LASC DS GPS SIM	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM
90546 9000	RFL DS20	RFL control unit with light sensor, standalone, 20 lx
90545 0004	LASC GATEWAY 3 EU	Gateway for comprehensive monitoring and control of light fittings remotely
90543 0001	LASC DONGLE USB + SOFT + LIZ	LIMAS Air SYNC USB dongle with software and license