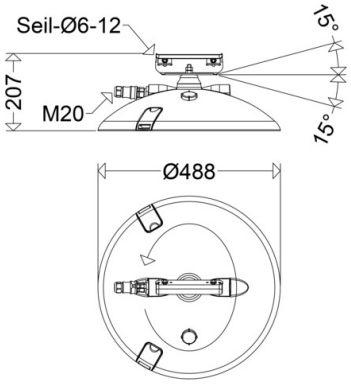
LED rope-supported light fitting

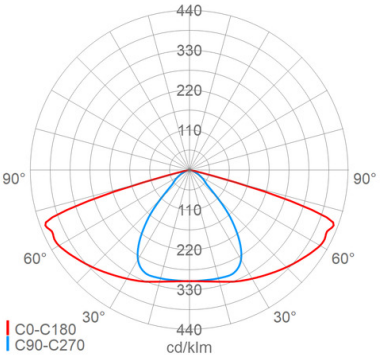
REDONDO
55 1603 FC RFLO
[Item no. : 55001 0001]



General product description

LED rope light REDONDO. Powder-coated die-cast aluminium housing, with carrying handle, tilt adjustment, quick-connect plug-in connection (FastConnect) and pressure equalisation system. LED module(s) and ECG mounted on tool-free removable carrier plates in the luminaire housing and connected via a disconnectable plug-in connection. Frameless, flat safety glass can be folded down without tools using an integrated toggle lever. Folding down the luminaire cover provides access to the connection compartment and all electronic components. Zhaga-compliant socket on the top and/or bottom of the housing. Zhaga-compliant LED modules with highly efficient optics, direct beam, multi-layer technology. ECG with high surge voltage resistance, overload and short-circuit protection. Cable fastening with stainless steel support bracket that can be rotated on all sides and tilted by 15° for transverse, longitudinal and inclined support cables Ø 6-12 mm. 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
- Integrated pressure equalisation system for defined ‘breathing’ prevents condensation from forming inside the luminaire.
- tool-free exchange of the LED board (carrier plate, disconnect plug, clamping spring) as well as ECG exchange (carrier plate, disconnect plug, clamping spring)
- universal usage on crosswise, lengthwise and inclined ropes or 3-point rope supports (see "Optional accessories")
- 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:	4041254422039

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	35 W
Luminaire luminous flux:	6070 lm
Luminous efficacy:	173 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:	700 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:	21
CB B10/B13/B20:	14/18/27
CB C10/C13/C16/C20:	21/28/35/43
Cable entries:	M20 (1x), cable gland (1x), Plastic, 6 - 10 mm
Special features:	FastConnect - quick connection without opening the light fitting

Features/Certificates

Protection class:	II
IP rating:	IP66
IK rating:	IK09

Features/Certificates

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
Special features:	FastConnect (FC)

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

Width / Diameter:	488.00 mm
Height:	207.00 mm
Net weight:	7.10 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
55010 0001	ABD 55 ESGW	safety glass pane clear
90113 0026	HA 16/L50 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 16... and L50...
90113 0028	HA 32/L100 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 32... and L100...
90113 0029	HA 48/L150 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 48... and L150...
90113 0030	HA 64/L210 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 64... and L210...
90549 0001	ESSB HSM	Inrush current limiter for top-hat rail mounting
90546 9000	RFL DS20	RFL control unit with light sensor, standalone, 20 lx
90543 0001	LASC DONGLE USB + SOFT + LIZ	LIMAS Air SYNC USB dongle with software and license
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
99100 0040	AKB 4,0m H07RN-F 3G1,5	Connection cable 4,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0041	AKB 4,5m H07RN-F 3G1,5	Connection cable 4,5 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0042	AKB 5,0m H07RN-F 3G1,5	Connection cable 5,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0044	AKB 6,0m H07RN-F 3G1,5	Connection cable 6,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0046	AKB 7,0m H07RN-F 3G1,5	Connection cable 7,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0048	AKB 8,0m H07RN-F 3G1,5	Connection cable 8,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0050	AKB 9,0m H07RN-F 3G1,5	Connection cable 9,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0052	AKB 10,0m H07RN-F 3G1,5	Connection cable 10,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0056	AKB 12,0m H07RN-F 3G1,5	Connection cable 12,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0074	AKB 5,0m H07RN-F 4G1,5	Connection cable 5,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire

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99100 0076	AKB 6,0m H07RN-F 4G1,5	Connection cable 6,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0078	AKB 7,0m H07RN-F 4G1,5	Connection cable 7,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0080	AKB 8,0m H07RN-F 4G1,5	Connection cable 8,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0082	AKB 9,0m H07RN-F 4G1,5	Connection cable 9,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0084	AKB 10,0m H07RN-F 4G1,5	Connection cable 10,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0088	AKB 12,0m H07RN-F 4G1,5	Connection cable 12,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire