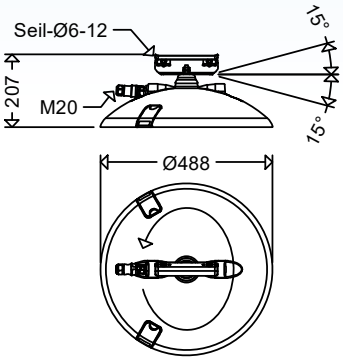
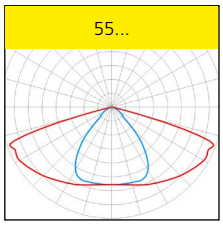


REDONDO
Rope Supported LED Light Fitting
Series 55...

Applications:
Residential and service roads, by-roads and main roads etc.

Design:
Housing: Die-cast aluminium, powder coated in DB 702 with carrying bracket, inclination adjustment and pressure compensation system.
Glass cover: Flat safety glass, hinged, can be opened without tools via 2 toggle levers, impact resistance IK09.
Electrical components: Wired ready for installation, disconnect plug-in connector to the mains connection terminal, LED module and ECG unit can be replaced without tools.
Light distribution: Symmetrical wide beam.
Connection: Quick connection plug (**FastConnect**), plug mounted to the housing, socket included. Wired ready for connection.
Mounting: Stainless steel. Turnable (all directions) and adjustable by 15 °, mountable on ropes of 6 - 12 mm diameter.





Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

Options:
– 2,200 K; light colour (**722**)
– 1,800 K; light colour (**518**)
– special painting in RAL colours
– protection class I (**SKI**)
– seawater-resistant version
– variable adjustable luminous flux via app (**NFC**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
– power reduction with control phase (**LR**)
– power reduction without control phase (**LA**)
– constant luminous flux function (**CL**)
– additional overvoltage protection
– 3-point supporting bracket
– inrush current limiter

Product highlights:

- **long-lasting, corrosion resistant die-cast aluminium housing** with plain surface.
- **integrated pressure compensation system** prevents condensation in the interior
- **can be opened without tools**
- fast mains connection thanks to **integrated FastConnect quick connection plug**
- **tool-free ECG replacement**
- **tool-free LED module replacement**
- **universal usage** on cross- and longitudinal ropes, inclined ropes or 3-point rope supports (see accessories) **due to all-side rotatable and up to 15° inclinable stainless steel bracket**
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- 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**
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts

! Properties, limitations and details for controlling LED-light fittings:
See “Technical Supplement”

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

All light fittings also available with connected cable (see accessories in the data sheet).

55...

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)					
55000 0001	**55 1601 FC**	17	3.210	189	7,1
55000 0002	**55 1602 FC**	25	4.480	179	7,1
55000 0003	**55 1603 FC**	35	6.070	173	7,1
55000 0004	**55 3201 FC**	34	6.420	189	7,2
55000 0005	**55 3202 FC**	50	8.950	179	7,2
55000 0006	**55 3203 FC**	70	12.080	173	7,2
55000 0007	**55 4801 FC**	52	9.060	174	7,4
55000 0008	**55 4802 FC**	75	12.550	167	7,4
55000 0009	**55 4803 FC**	106	16.730	158	7,4
55000 0010	**55 6401 FC**	69	12.580	182	7,5
55000 0011	**55 6402 FC**	99	17.520	177	7,5
colour temperature 3.000K (light colour 730)					
55000 0012	**55 1601 730 FC**	17	3.050	179	7,1
55000 0013	**55 1602 730 FC**	25	4.260	170	7,1
55000 0014	**55 1603 730 FC**	35	5.770	165	7,1
55000 0015	**55 3201 730 FC**	34	6.100	179	7,2
55000 0016	**55 3202 730 FC**	50	8.500	170	7,2
55000 0017	**55 3203 730 FC**	70	11.480	164	7,2
55000 0018	**55 4801 730 FC**	52	8.610	166	7,4
55000 0019	**55 4802 730 FC**	75	11.920	159	7,4
55000 0020	**55 4803 730 FC**	106	15.890	150	7,4
55000 0021	**55 6401 730 FC**	69	11.950	173	7,5
55000 0022	**55 6402 730 FC**	99	16.640	168	7,5

All luminaires also available with luminous flux adjustment via app (**NFC version**).

55... VARIO

Article No.	Type	Connected load [W]	Luminous flux [lm] [1)]	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)						
55002 0001	**55 L50 VARIO FC**	9 - 35	1.470 - 6.070	190	HST 35 - 2 x HST 70	7,1
55002 0003	**55 L100 VARIO FC**	16 - 70	2.950 - 12.080	191	HST 50 - HSE 150	7,2
55002 0005	**55 L150 VARIO FC**	24 - 106	4.190 - 16.730	175	2 x HME 80 - 2 x HME 250	7,4
colour temperature 3.000K (light colour 730)						
55002 0002	**55 L50 VARIO 730 FC**	9 - 35	1.400 - 5.770	181	HST 35 - 2 x HST 70	7,1
55002 0004	**55 L100 VARIO 730 FC**	16 - 70	2.800 - 11.480	182	HST 50 - HSE 150	7,2
55002 0006	**55 L150 VARIO 730 FC**	24 - 106	3.980 - 15.890	166	2 x HME 80 - 2 x HME 250	7,4

Design:
Same as type 55... but: With an integrated DIP switch for for variable adjustment of the luminous flux in the luminaire.

Product highlights of the VARIO version:

- simple, fast, tool-free setting of the luminous flux on site, by means of integrated switch, can be changed at any time
- reduction in the variety of types

Factory setting L50: 18 W; replaces approx. HME 125, HST 70 Factory setting L150: 106 W; replaces approx. 2 x HME 250
Factory setting L100: 54 W; replaces approx. HME 250

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

1) possible setting range

! All light fittings also available with connected cable (see accessories in the data sheet).

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)

RFL - Ready for Light Management Systems

Design:

Same as standard version **55...** but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components

55... RFL

IP66 · Wind load area A = 0,05m²

with a socket on the top side of the luminaire

colour temperature 4.000K (light colour 740)

55001 0001	**55 1603 FC RFLO**	35	6.070	173	7,1
55001 0003	**55 3203 FC RFLO**	70	12.080	173	7,2
55001 0005	**55 4803 FC RFLO**	106	16.730	158	7,4

colour temperature 3.000K (light colour 730)

55001 0002	**55 1603 730 FC RFLO**	35	5.770	165	7,1
55001 0004	**55 3203 730 FC RFLO**	70	11.480	164	7,2
55001 0006	**55 4803 730 FC RFLO**	106	15.890	150	7,4

System accessories

Article No.	Type	
90546 9000	**RFL DS20**	RFL control element with light sensor, standalone, 20 lx
90543 0001	**LASC DONGLE USB + SOFT + LIZ**	LIMAS Air SYNC USB dongle with software and licence
90546 9014	**RFL LASC DS**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor
90546 9010	**RFL LASC DS GPS SIM**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM

Other sensors, e.g. environmental sensors (fine dust, CO_2, weather station etc.) on request.



Accessories / Spare Parts

Article no.	Type	
55010 0001	**ABD 55 ESGW**	cover, pane safety glass clear, for 55...