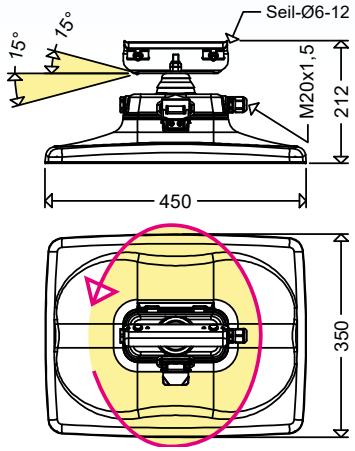


PENDO
Rope Supported LED Light Fitting
Series 59 ... / 49...

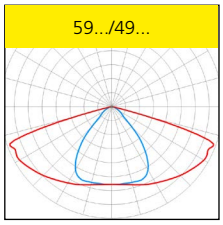
Applications:
Residential, service, secondary, thoroughfare, collecting and main roads, etc.

Design:
Housing: Die-cast aluminium, 2-parts, powder coated in DB 702.
Lower section with LED-Module, optics, glass cover and ECG, tool-free hingeable and detachable.
Upper section with bracket, adjustment of inclination, cable entry with pressure compensation system.
Glass cover: Flat safety glass, impact resistance IK10.
Light distribution: Symmetrical wide beam.
Connecting terminal: With plug-in connection in junction box between upper and lower section, tool-free seperation of upper an lower section.
Mounting: Stainless steel. Turnable (all directions) and adjustable by 15°, mountable on ropes of 6 - 12 mm diameter.

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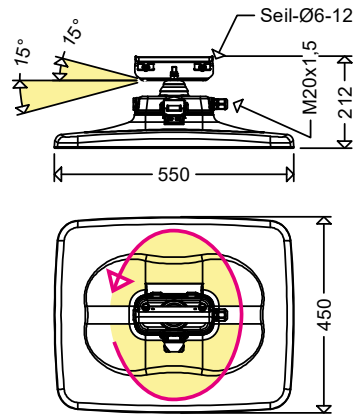


Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.



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
– 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

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Product highlights:

- **long-lasting, corrosion resistant die-cast aluminium housing** with plain surface.
- **excellent thermal management,** long service life
- **integrated pressure compensation system** prevents condensation in the interior
- **time- and cost-saving mounting in 2 steps due to tool-free removable lower part of the housing:**
  1st step: Hinge upper part with bracket onto the rope and connect the mains
  2nd step: Hinge lower part, connect isolating plug, shut the housing and close. **READY**
- **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**
- **tool-free disconnection (also electrical!) of the lower part from the upper part** allows a comfortable replacement of the components at site or in the workshop
- **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).

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IP66 · Wind load area A = 0,05m²

colour temperature 4.000K (light colour 740)

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
59001 0069	**59 1601**	17	3.210	189	6,6
59001 0070	**59 1602**	25	4.480	179	6,6
59001 0071	**59 1603**	35	6.070	173	6,6
59001 0072	**59 3201**	34	6.420	189	7,0
59001 0036	**59 3202**	50	8.950	179	7,0
59001 0051	**59 3203**	70	12.080	173	7,0
49000 0005	**49 6401**	69	12.580	182	11,8
49000 0006	**49 6402**	99	17.520	177	11,8
49000 0002	**49 6403**	140	23.570	168	11,8

colour temperature 3.000K (light colour 730)

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
59001 0063	**59 1601 730**	17	3.050	179	6,6
59001 0066	**59 1602 730**	25	4.260	170	6,6
59001 0073	**59 1603 730**	35	5.770	165	6,6
59001 0074	**59 3201 730**	34	6.100	179	7,0
59001 0075	**59 3202 730**	50	8.500	170	7,0
59001 0076	**59 3203 730**	70	11.480	164	7,0
49000 0069	**49 6401 730**	69	11.950	173	11,8
49000 0007	**49 6402 730**	99	16.640	168	11,8
49000 0070	**49 6403 730**	140	22.390	160	11,8



59... / 49... VARIO

IP66 · Wind load area A = 0,05m²

Design:
Same as type 59... / 49... 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

colour temperature 4.000K (light colour 740)

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
59005 0005	**59 L50 VARIO**	9 - 35	1.470 - 6.070	190	HST 35 - 2 x HST 70	6,6
59005 0006	**59 L100 VARIO**	16 - 70	2.950 - 12.080	191	HST 50 - HSE 150	7,0
49004 0001	**49 L210 VARIO**	32 - 140	5.790 - 23.570	181	2 x HST 70 - HME 400	11,8

colour temperature 3.000K (light colour 730)

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
59005 0007	**59 L50 VARIO 730**	9 - 35	1.400 - 5.770	181	HST 35 - 2 x HST 70	6,6
59005 0008	**59 L100 VARIO 730**	16 - 70	2.800 - 11.480	182	HST 50 - HSE 150	7,0
49004 0002	**49 L210 VARIO 730**	32 - 140	5.500 - 22.390	180	2 x HST 70 - HME 400	11,8

Factory setting L50: 18 W; replaces approx. HME 125, HST 70
Factory setting L100: 50 W; replaces approx. HME 250
Factory setting L210: 140 W; replaces approx. HME 400

1) possible setting range

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

! 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 **59... / 49...** 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

59... / 49... 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)

59002 0005	**59 1603 RFLO**	35	6.070	173	6,6
59002 0006	**59 3203 RFLO**	70	12.080	173	7,0
49002 0005	**49 6402 RFLO**	99	17.520	177	11,8
49002 0006	**49 6403 RFLO**	140	23.570	168	11,8

colour temperature 3.000K (light colour 730)

59002 0007	**59 1603 730 RFLO**	35	5.770	165	6,6
59002 0008	**59 3203 730 RFLO**	70	11.480	164	7,0
49002 0007	**49 6402 730 RFLO**	99	16.640	168	11,8
49002 0008	**49 6403 730 RFLO**	140	22.390	160	11,8

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.

Optionally also with 3-point mounting



Accessories / Spare Parts

Article no.	Type	
49001 9003	**ABD 59 ESGW**	cover, pane safety glass clear, for 59...
49001 9001	**ABD 49 ESGW**	cover, pane safety glass clear, for 49...