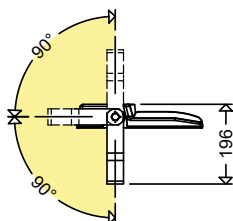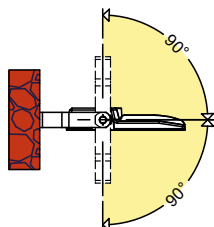# FOCO
LED Floodlight
with variable setting of the luminous flux
Series 7600... VARIO / 7600 VARIO RFL

Applications:
Industrial areas, stockyards, terminals, object protection and fence illumination, construction zone, accent lighting, illumination of building and facades etc.

Design:
Housing: Die-cast aluminium, 1-part, powder coated DB 702 (mica-iron paint, grey) with LED-Module, optics (versions **TB**, **T** and **A**), electronic ballast and pressure compensation system.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.

Switch for setting the luminous flux in the terminal compartment, accessible from the outside.
Light distribution: With optics narrow-wide (**TB**), narrow (**T**) or asymmetrical beam (**A**), without optics wide beam.
Connection: Terminal compartment, accessible from the outside, 3-pole terminal, max. clamping range 2.5 mm².
Cable entry: 1 cable entrie M20 x 1.5 (1 cable gland).
Mounting: Mounting bracket, swivel range 180°, with 3 drillings for wall- or ceiling mounting.

Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{90} > 100,000 h, Zhaga compliant
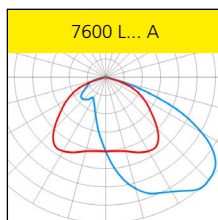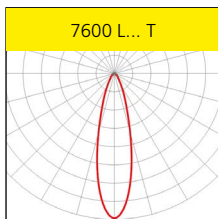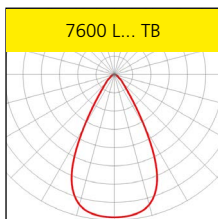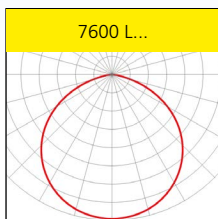ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

Options:
– 2,200 K; light colour (**722**)
– 1,800 K; light colour (**518**)
– asymmetrical wide beam (**AB**)
– asymmetrical wide beam, low glare (**ABL**)
– extremely narrow beam (**TX**)
– cable looping at 1 small side
– special painting in RAL colours
– protection class II (**SKII**)
– seawater-resistant version
– vibration-resistant design
– high resistance (**HR**), against corrosive atmosphere
– bird deterrence

– for connection to a central power supply system (**ZB**)
– dimming function via DALI2 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
– extended swivel range
– inrush current limiter

Product highlights:
- durable, corrosion-resistant die-cast aluminium housing
- excellent thermal management, long service life
- quick electrical connection due to outlaying electrical connection box
- homogeneous illumination due to the Multi-Layer-Technology
- eco-friendly, no light emission into the upper half-space, ULOR=0 (Plane Surface Floodlight)
- versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- future proof by using standardized LED-modules (Zhaga) and long-term availability of spare parts
- GreenLine luminaire, outstanding sustainable design

330
280
310
380
M20x1,5
Ø11
Ø13
130
58

Swivel range

90°
90°
196

Standard Mounting

90°
90°

7600 L...

7600 L... TB

7600 L... T

7600 L... A

GREEN LINE

! 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.

SCHUCH

Article no.	Type	Power/ consumption [W]	Luminous flux [lm] [1]	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [ca. kg] (without packaging)

7600 ... VARIO

IP66 | Wind load area A = 0,09m²

Design:

With a switch for for variable adjustment of the luminous flux in the luminaire. The connected load will change depending on the setting of the luminous flux.

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	Power	Luminous flux	Efficacy	Substitute	Weight
76000 0102	7600 L50 VARIO					
76000 0104	7600 L50TB VARIO	9 - 35	1.370 - 5.660	177	HST 35 - 2 x HST 70	3,8
76000 0106	7600 L50T VARIO					
76000 0100	7600 L50A VARIO					
76000 0103	7600 L100 VARIO					
76000 0105	7600 L100TB VARIO	16 - 70	2.740 - 11.170	177	HST 50 - HSE 150	3,8
76000 0107	7600 L100T VARIO					
76000 0101	7600 L100A VARIO					

colour temperature 3.000K (light colour 730)

Article no.	Type	Power	Luminous flux	Efficacy	Substitute	Weight
76000 0156	7600 L50 VARIO 730					
76000 0176	7600 L50TB VARIO 730	9 - 35	1.300 - 5.380	168	HST 35 - 2 x HST 70	3,9
76000 0177	7600 L50T VARIO 730					
76000 0122	7600 L50A VARIO 730					
76000 0137	7600 L100 VARIO 730					
76000 0178	7600 L100TB VARIO 730	16 - 70	2.600 - 10.610	168	HST 50 - HSE 150	3,9
76000 0133	7600 L100T VARIO 730					
76000 0117	7600 L100A VARIO 730					

Factory setting L50: 18 W; replaces approx. ca. HME 125, HST 70
1) possible setting range

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.

Outdoor Light Fittings

Article no.	Type		Power/ consumption [W]	Luminous flux [lm] [1]	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [ca. kg] (without packaging)

Design RFL - Ready for Light Management System

The luminaires are prepared for the subsequent use of a Light Management System. An integrated socket allows retrofitting of light management components without tools.

Exclusively D4i control gear is being used in RFL luminaires from SCHUCH.

All D4i Zhaga Book 18 certified controllers and D4i Zhaga Book 18 certified sensors available on the market can be used in combination with RFL luminaires from SCHUCH. Controllers and sensors which do not comply with the D4i standard can limit the functionality of the luminaires and components. Moreover, in individual cases, such non-certified components may cause damage to both the luminaires and the components.

Product highlights of the RFL version:
- standardized Zhaga compliant sockets
- subsequent use of a lighting management system possible at any time
- tool-free, quick assembly of the Light Management System components

RFL

7600 ... VARIO RFLO

IP66 | Wind load area A = 0,09m²

Floodlight / Plane Surface Floodlight with a socket on the top side of the luminaire

The luminous flux is variably adjustable. The Connected load will change depending on the setting of the luminous flux.

colour temperature 4.000K (light colour 740)

Article no.	Type		Power	Flux	Eff	Substitute	Weight
76002 0002	7600 L50 VARIO RFLO						
76002 0003	7600 L50TB VARIO RFLO		9 - 35	1.370 - 5.660	177	HST 35 - 2 x HST 70	3,8
76002 0004	7600 L50T VARIO RFLO						
76002 0001	7600 L50A VARIO RFLO						

colour temperature 3.000K (light colour 730)

Article no.	Type		Power	Flux	Eff	Substitute	Weight
76002 0006	7600 L50 VARIO 730 RFLO						
76002 0007	7600 L50TB VARIO 730 RFLO		9 - 35	1.300 - 5.380	168	HST 35 - 2 x HST 70	3,8
76002 0008	7600 L50T VARIO 730 RFLO						
76002 0009	7600 L50A VARIO 730 RFLO						

Factory setting L50: 18 W; replaces approx. ca. HME 125, HST 70

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

1) possible setting range

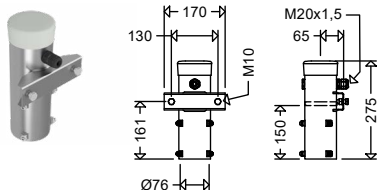**RFL LIMAS HUB3 G2 / RFL LIMAS HUB3 G2 GPS SIM**

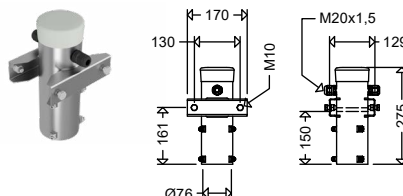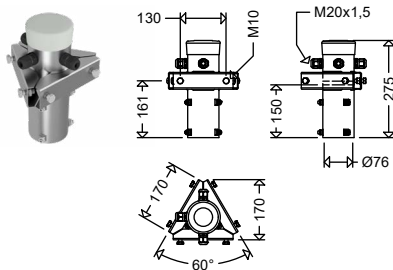**RFL DS20 HUB 20lux ON/OFF**

LIMAS USB-Dongle

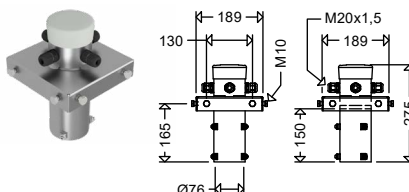**Single mounting: MAU 1 76/130 M10**

Double mounting: MAU 2 76/130 M10

Threefold mounting: MAU 3 76/130 M10

Fourfold mounting: MAU 4 76/130 M10

All pole top brackets made of galvanised steel. Painting in any RAL colour for additional charge.

System components

Article No.	Type	
90546 9010	**RFL LIMAS HUB3 G2 GPS SIM**	radio control with GPS antenna and photocell (twilight control) with integrated SIM card
90546 9014	**RFL LIMAS HUB3 G2**	radio control with photocell (twilight control)
90546 9000	**RFL DS20 HUB 20lux ON/OFF**	twilight switch for autonomous control of RFLO luminaires

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

Control components

Article No.	Type	
90545 0001	**LIMAS Dongle USB**	enables programming/setup of LIMAS components on site using software and Windows operating system
90546 9010	**RFL LIMAS HUB3 G2 GPS SIM**	control element with photocell/ twilight switch, GPS antenna and SIM card

Accessories / Spare Parts

Article no.	Type	
76001 9000	**ABD 7600**	cover, pane safety glass clear, for 7600...
75739 9006	**MAU 1 76/130 M10**	pole top for single mounting; galvanised steel
75739 9007	**MAU 2 76/130 M10**	pole top for dual mounting; galvanised steel
75739 9009	**MAU 3 76/130 M10**	pole top for threefold mounting; galvanised steel
75739 9008	**MAU 4 76/130 M10**	pole top for fourfold mounting; galvanised steel
90313 0001	**KV M20 BK**	plastic cable gland M20 x 1,5 black

Subject to technical changes, misprints and errors.

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