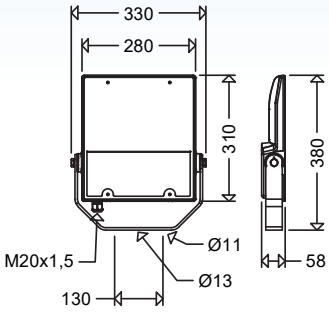
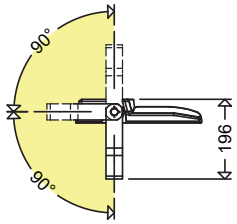
FOCO
LED Floodlight / Plane Surface Floodlight with variable setting of the luminous flux Series 7600... VARIO

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

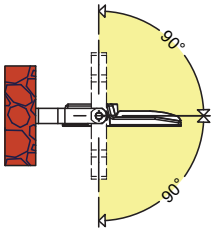
Design:
Housing: Die-cast aluminium, 1-part, powder coated DB 702 (mica-iron paint, grey) with LED-Module, optics (versions **TB**, **T** and **A**), electronic ballast and pressure compensation system.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.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

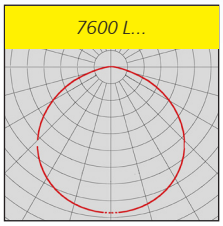


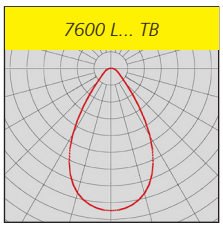
Swivel range

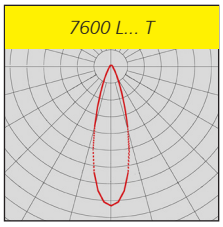


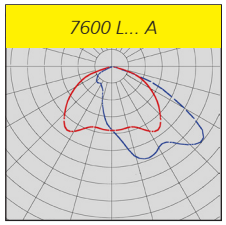
Standard Mounting











Electrical design:
LED module: 4,000K or 3,000K, R_a > 70, service life L_{90} > 100,000h, Zhaga compliant
ECG: 220-240V, 50-60Hz, Surge voltage resistance 10kV, overload and short circuit protection.
Light control:
On request, the luminaires are also available with the following configurations:
Output reduction with control phase (LR): For reducing the luminous flux to 50% at times of low traffic density. Control phase (**LST**) required. Switching via control phase (LST = 230V: 100%; LST = 0V: 50%). Alternative dimming levels possible.
Output reduction without control phase (LA): Autarkic dimming. Reduced operation 50% between 22:00 and 4:00h CET or 23.00 and 5.00h CEST, also available with deviating times and with alternative dimming steps.
Digital dimming with DALI interface (DIMD)
Constant luminous flux function (CL): Luminous flux is kept on a constant level over the entire service life of the LED-modules.
Ambient temperature: -40°C up to +50°C

Options:
– 2,200K, **light colour 722** (approx. 23% lower luminous flux)
– 1,800K, **light colour 518** „Amber" (approx. 38% lower luminous flux)
– protection class II (**SKII**)
– Optics asymmetrical wide beam (**AB**)
– low glare optics (**ABL**)
– Optics (**TX**) for extremely narrow beam
– high protection (**HR**) against corrosive atmospheres or harmful gases
– seawater-resistant version (**SWP**)
– for connection to group or central battery systems (**ZB**) or emergency lighting networks respectively
– additional overvoltage protection (**OP**)
– inrush current limiter (**ESSB**)
– extended swivel range (**ESB**)
– cable looping at 1 small side (**RR**)
– vibration-resistant design (**RF**)
– with variable setting of the luminous flux via app (**VARIO NFC**)
– special painting in RAL colours (**SL**)

Product highlights:

- **two types replace several conventional lights and thus reduce the variety of types**
- **easy, quick, tool-free adjustment of the luminous flux** on site via switch in the terminal compartment, accessible from the outside, can be changed afterwards
- **high flexibility** by nearly continuous adjustment of the luminous flux
- **quick electrical connection** due to outlaying electrical connection box
- **ECG with high surge voltage resistance,** reliable due to **overload and short circuit protection**
- **optimized thermal management** due to direct adaption of the LED modules to the die-cast aluminium housing, large cooling surface, excellent heat dissipation
- **optimal light distribution due** to h**ighly efficient lens optics**
- **homogeneous illumination** due to the **Multi-Layer-Technology** i.e. every individual LED illuminates the whole surface, the light curves of the individual LEDs are overlapping.
- **eco-friendly**, no light emission into the upper half-space, **ULOR=0**
- all versions dimmable to 10% with color temperature up to max. 3,000K fulfill the **Dark Sky requirements (Plane surface floodlight)**
- **sustainable**, control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardized LED-modules (Zhaga)
- **GreenLine luminaire**, outstanding sustainable design

! 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.

Article no.	Type	wide beam	narrow-wide beam	narrow-beam	asymmetrical beam	Weight [ca. kg] (without packaging)	Power/ consumption [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)

7600 ... VARIO

IP66 | Wind load area A = 0,09m²

Floodlight / Plane Surface Floodlight

The luminous flux is variably adjustable. The Connected load will change depending on the setting of the luminous flux. In the table you will find examples of settings with reference to common conventional versions. Intermediate values are also possible. Setting table on request.

colour temperature 4.000K (light colour 740)

76000 0102	**7600 L50 VARIO**	•				3,8	9 - 35	1.160 - 5.000	160
76000 0104	**7600 L50TB VARIO**		•			3,8			
76000 0106	**7600 L50T VARIO**			•		3,8			
76000 0100	**7600 L50A VARIO**				•	3,8			
76000 0103	**7600 L100 VARIO**	•				3,9	16 - 70	2.340 - 10.000	161
76000 0105	**7600 L100TB VARIO**		•			3,9			
76000 0107	**7600 L100T VARIO**			•		3,9			
76000 0101	**7600 L100A VARIO**				•	3,9			

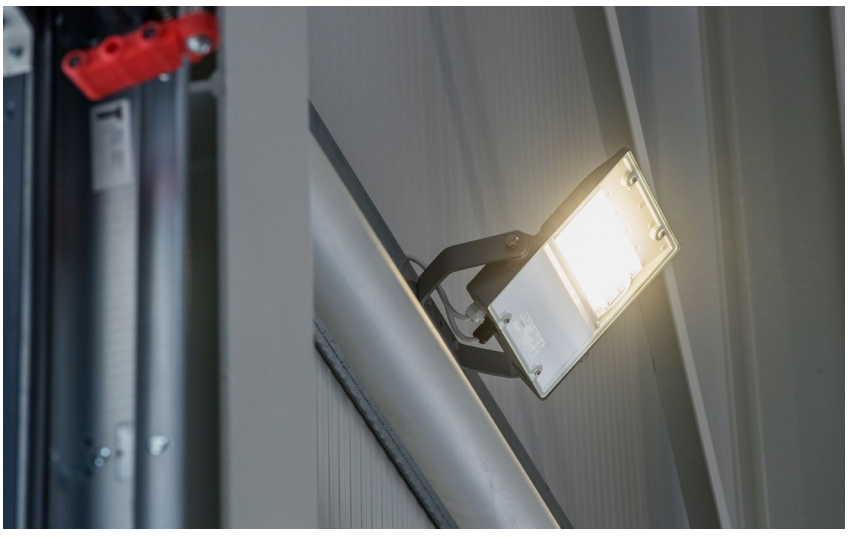
colour temperature 3.000K (light colour 730)

76000 0156	**7600 L50 VARIO 730**	•				3,8	9 - 35	1.090 - 4.700	150
76000 0176	**7600 L50TB VARIO 730**		•			3,8			
76000 0177	**7600 L50T VARIO 730**			•		3,8			
76000 0122	**7600 L50A VARIO 730**				•	3,8			
76000 0137	**7600 L100 VARIO 730**	•				3,9	16 - 70	2.200 - 9.400	151
76000 0178	**7600 L100TB VARIO 730**		•			3,9			
76000 0133	**7600 L100T VARIO 730**			•		3,9			
76000 0117	**7600 L100A VARIO 730**				•	3,9			

Factory setting L50: 18 W; replaces approx. ca. HME 125, HST 70 Factory setting L100: 54 W; replaces approx. HME 250

1) possible setting range

! Also available with output reduction (LR / LA) or constant luminous flux function (CL) as well as combinations of these functions (CL LR / CL LA).



Accessories / Spare Parts

Article no.	Type	
76001 9000	**ABD 7600**	spare safety glas
75739 9006	**7600/1 M**	pole top for single mounting; galvanised steel
75739 9007	**7600/2 M**	pole top for dual mounting; galvanised steel
75739 9009	**7600/3 M**	pole top for threefold mounting; galvanised steel
75739 9008	**7600/4 M**	pole top for fourfold mounting; galvanised steel
90120 9011	**2530**	plastic cable gland M20 x 1,5 black

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