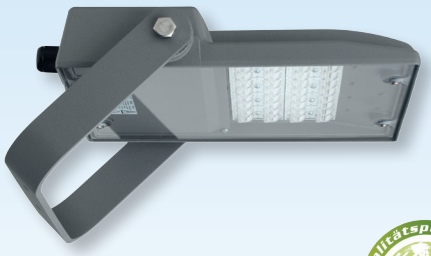
NEW

FOCO
LED Plane Surface Floodlight
Series 7600... A VARIO

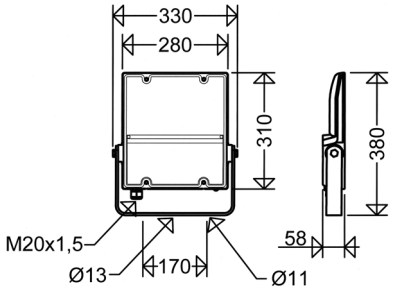


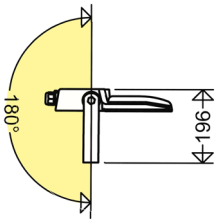
Application:
Car Parks, industrial areas, stockyards, loading areas, illumination close to buildings, object protection and fence illumination, gateways etc.

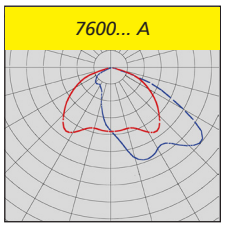
Design:
Housing: Die-cast aluminium, 1-part, powder coated DB702N (mica-iron paint) with LED-Module, optic and electronic ballast.
Glass: Flat safety glass pane, resistent to temperature changes, impact resistant IK08, silicone gasket.
Switch for setting the luminous flux in the terminal compartment, accessible from the outside.
Light distribution: Asymmetrical beam.
Connection: Terminal compartment, accessible from the outside, 3-pole terminal, max. clamping range 2,5 mm².
Cable entry: 2 cable entries M20 x 1.5 (1 cable gland and 1 screw plug).
Mounting: Mounting bracket, swivel range 180°, with 3 drillings for wall- or ceiling mounting, or for pole mounting in combination with pipe clamp **ROB 60/76** (see accessories) respectively.

Electrical design:
LED module: Zhaga compliant, 4,000K, R_a > 70, lifetime L_{90} > 100,000h
ECG: 220-240V, 50-60Hz, lifetime 100,000h. Surge voltage resistance 10kV, excess temperature protection, overload and short circuit protection.
Note: Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.

Options:
On request also available with the following configurations (please mention in your enquiry or order):
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%). Further dimm levels possible.
Without control phase (LA): Autonomic dimming by integrated timer. Reduced operation 50% between 22:00 and 4:00h CET or 23.00 and 5.00h CEST, also available with deviating times and with a second dimming step.
DALI interface (**DIMD**)
Constant luminous flux function (**CL**): Luminous flux is kept on a constant level over the entire life time of the LED-modules (L100)
Also, combinations of the functions are possible (**CL LR / CL LA**).







Options:
– 3,000K, light colour 730 (ca. 8% less light output)
– 1,800K, light colour „Amber" (ca. 34% less light output)
– Optic asymmetrical wide beam (**AB**)
– Optic asymmetrical extremely wide beam (**ABX**)
– optics for ME-classes (**AB3**)
– low glare optics (**ABL**)
– dimmable via **DALI** (**DIMD**)
– for connection to group or central battery systems (**ZB**)
– Ready for Light Management Systems (**RFL**)
– special painting in all RAL colours

Schuch Quality – your advantage:

- reduction of the variety of versions, two Versions of luminaire replaces conventional luminaires from HME 80/125W to HST 50/70W (L50) or from HME 250W up to HSE 150W (L100)
- **easy, quick, tool-free adjustment 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
- **high quality, reliable at long time application**
  – **high system life** time due to use high-quality components
  – **ECG with high surge voltage resistance 10kV, reliable due to overload, short-circuit and over temperature protection**
  – optimized thermal management due to direct adaption of the LED modules to the die-cast aluminium housing, large cooling surface, excellent heat dissipation
- **uncompromisingly energy efficient and eco-friendly**
  – **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 LED are overlapping.
  – **constant high luminous flux over the life of the LED** due to Constant luminous flux function (**option CL**)
  – **eco-friendly**, no light emission into the upper half-space. **Dark-Sky requirements are fulfilled**
- **quick electrical connection** due to outlaying electrical connection box
- **future proof by using standardized LED-modules (Zhaga)**

Notes:

Properties, limitations and details for controlling LED-light fittings: See „Technical Supplement".

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.

Article No.	Type	Power consumption [W]*	Luminous flux [lm] 1) *	Luminous efficacy [lm/W]	Energy efficiency class	Substitute for ca. **	Weight [kg] (without packingmaterial)

7600 ... A VARIO

LED | IP66 | LPH 3-6m | Wind load area A = 0,09m²

The luminous flux is variably adjustable to values between 2,430lm and 4,470lm (**Version L50**) or 4,930lm and 9,030lm (**Version L100**). Power consumption and admissible ambient temperature will change depending on the setting of the luminous flux.

76000 0100	**7600 L50A VARIO**	17	2.430	143	A++	HME 80, HST 50	3,8
		18	2.590 2)	144	A++	HME 125	
		22	3.010	137	A++	2 x HME 80, HST 70	
		35	4.470	128	A++	2 x HME 125	
76000 0101	**7600 L100A VARIO**	34	4.930	145	A++	2 x HME 125	3,9
		46	6.410	139	A++	HST 100	
		54	7.290 2)	135	A++	HME 250	
		70	9.030	129	A++	HSE 150	

1) Examples of possible settings
2) Factory setting

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

! 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	**7600/010**	spare safety glas
90270 0005	**ROB 60/76**	pipe clamp for direct pole mounting or on multiple post top adapters
75739 9006	**7600/1 M**	pole top for single mounting
75739 9007	**7600/2 M**	pole top for dual mounting
75739 9008	**7600/4 M**	pole top for fourfold mounting
90120 9011	**2530**	plastic cable gland M20 x 1,5 black
90121 9008	**2600**	plastic plug M20 x 1,5 black

NEW

FOCO
LED Floodlight
Series 7600... VARIO

Application:
Industrial areas, stockyards, installation areas, object protection and fence illumination, construction zone and crane lighting (with vibration absorbing suspension device) etc.

Design:
Housing: Die-cast aluminium, 1-part, powder coated DB702N (mica-iron paint) with LED-Module, optic (versions **TB** and **T**) and electronic ballast.
Glass: Flat safety glass pane, resistent to temperature changes, impact resistant IK08, silicone gasket.
Switch for setting the luminous flux in the terminal compartment, accessible from the outside.
Light distribution: With optic narrow-wide beam (**TB**) or narrow beam (**T**), without optic wide beam.
Connection: Terminal compartment, accessible from the outside, 3-pole terminal, max. clamping range 2,5 mm².
Cable entry: 2 cable entries M20 x 1.5 (1 cable gland and 1 screw plug).
Mounting: Mounting bracket, swivel range 180°, with 3 drillings for wall- or ceiling mounting, or for pole mounting in combination with pipe clamp **ROB 60/76** (see accessories) respectively.

Electrical design:
LED module: Zhaga compliant, 4,000K, R_a > 70, lifetime L_{90} > 100,000h
ECG: 220-240V, 50-60Hz, lifetime 100,000h. Surge voltage resistance 10kV, excess temperature protection, overload and short circuit protection.
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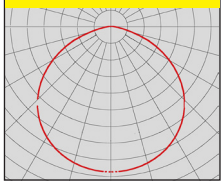
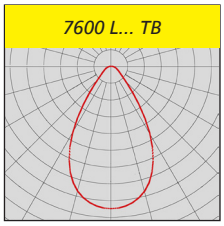
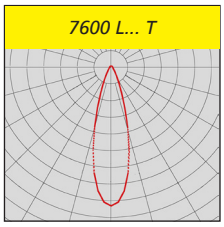
7600 L...

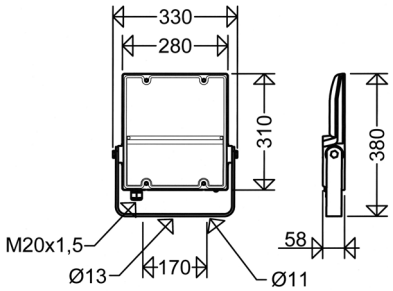


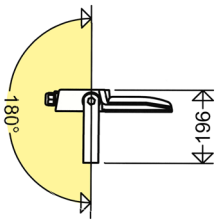
7600 L... TB



7600 L... T







Options:
– 3,000K, light colour 730 (ca. 8% less light output)
– 1,800K, light colour „Amber" (ca. 34% less light output)
– Optics (**TX**) for extremely narrow beam
– dimmable via **DALI** (**DIMD**)
– for connection to group or central battery systems (**ZB**)
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7600 ... VARIO

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Article No.	Type	narrow-wide beam	narrow-beam	Energy efficiency class	Weight [kg] (without packingmaterial)	Power consumption [W]*	Luminous flux [lm] 1) *	Luminous efficacy [lm/W]	Substitute for ca. **
76000 0102	**7600 L50 VARIO**			A++	3,8	17	2.500	147	HME 80, HST 50
76000 0104	**7600 L50TB VARIO**	•		A++	3,8	18	2.660 2)	148	HME 125
76000 0106	**7600 L50T VARIO**		•	A++	3,8	22	3.100	141	2 x HME 80, HST 70
						35	4.600	131	2 x HME 125
76000 0103	**7600 L100 VARIO**			A++	3,9	34	5.060	149	2 x HME 125
76000 0105	**7600 L100TB VARIO**	•		A++	3,9	46	6.580	143	HST 100
76000 0107	**7600 L100T VARIO**		•	A++	3,9	54	7.480 2)	139	HME 250
						70	9.270	132	HSE 150

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