

**NEW**

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



### Application:

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 DB702N (mica-iron paint, grey).

with LED-Module, optics (versions TB and T) and electronic ballast.

**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

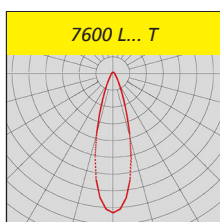
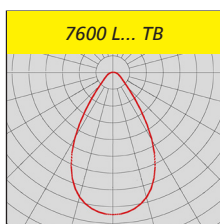
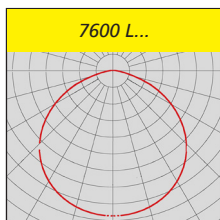
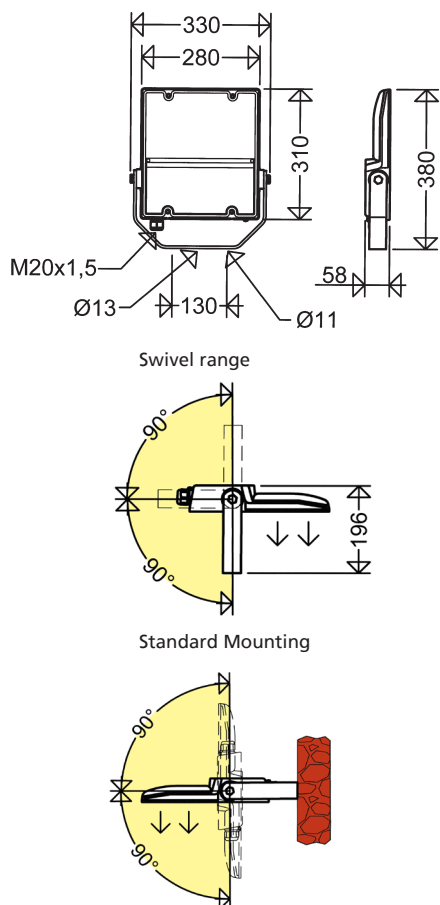
outside.

**Light distribution:** With optics narrow-wide beam (TB) or narrow beam (T), without optics wide beam.

**Connection:** Terminal compartment, accessible from the outside, 3-pole terminal, max. clamping range 2,5 mm<sup>2</sup>.

**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, Surge voltage resistance 10kV, 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 dimming 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 alternative dimming step.

#### DALI interface (DIMD)

**Constant luminous flux function (CL):** The set Luminous flux is kept on a constant level over the entire lifetime of the LED-modules.

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 518 „Amber“ (ca. 34% less light output)
- Optics (TX) for extremely narrow beam
- high protection (HR) against corrosive atmospheres or harmful gases
- dimmable via DALI (DIMD)
- seawater-resistant version (SWP)
- for connection to group or central battery systems (ZB)
- 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 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 highly 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.
- constant high luminous flux over the life of the LED due to Constant luminous flux function (option CL)
- 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](http://www.schuch.de).

| Article No. | Type | narrow-wide beam | narrow-beam | Energy efficiency class | Weight [kg]<br>(without packing material) | Power consumption [W]* | Luminous flux [lm] <sup>1)</sup> * | Luminous efficacy [lm/W] | Substitute for ca. ** |
|-------------|------|------------------|-------------|-------------------------|---|------------------------|------------------------------------|--------------------------|-----------------------|
|-------------|------|------------------|-------------|-------------------------|---|------------------------|------------------------------------|--------------------------|-----------------------|

## 7600 ... VARIO



The luminous flux is variably adjustable to values between 2,500lm and 4,600lm (Version L50) or 5,060lm and 9,270lm (Version L100). Power consumption and admissible ambient temperature will change depending on the setting of the luminous flux.

|            |                         |   |   |     |     |  |
|------------|-------------------------|---|---|-----|-----|--|
| 76000 0102 | <b>7600 L50 VARIO</b>   |   |   | A++ | 3,8 | } 17 2.500 147 HME 80, HST 50<br>18 2.660 <sup>2)</sup> 148 HME 125<br>22 3.100 141 2 x HME 80, HST 70<br>35 4.600 131 2 x HME 125 |
| 76000 0104 | <b>7600 L50TB VARIO</b> | • |   | A++ | 3,8 |  |
| 76000 0106 | <b>7600 L50T VARIO</b>  |   | • | A++ | 3,8 |  |
|            |                         |   |   |     |     |  |

|            |                          |   |   |     |     |  |
|------------|--------------------------|---|---|-----|-----|--|
| 76000 0103 | <b>7600 L100 VARIO</b>   |   |   | A++ | 3,9 | } 34 5.060 149 2 x HME 125<br>46 6.580 143 HST 100<br>54 7.480 <sup>2)</sup> 139 HME 250<br>70 9.270 132 HSE 150 |
| 76000 0105 | <b>7600 L100TB VARIO</b> | • |   | A++ | 3,9 |  |
| 76000 0107 | <b>7600 L100T VARIO</b>  |   | • | A++ | 3,9 |  |
|            |                          |   |   |     |     |  |

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  | <b>7600/010</b>  | spare safety glas  |
| 90270 0005  | <b>ROB 60/76</b> | pipe clamp for direct pole mounting or on multiple post top adapters |
| 75739 9006  | <b>7600/1 M</b>  | pole top for single mounting   |
| 75739 9007  | <b>7600/2 M</b>  | pole top for dual mounting   |
| 75739 9009  | <b>7600/3 M</b>  | pole top for threefold mounting                                      |
| 75739 9008  | <b>7600/4 M</b>  | pole top for fourfold mounting                                       |
| 90120 9011  | <b>2530</b>      | plastic cable gland M20 x 1,5 black                                  |
| 90121 9008  | <b>2600</b>      | plastic plug M20 x 1,5 black   |