



## FOCO L LED Floodlight Series 7700...

### Applications:

Industrial areas, stockyards, terminals, construction zone, accent lighting, illumination of building and facades etc.

### Design:

**Housing:** Die-cast aluminium, 2-parts, powder coated DB702N (mica-iron paint, grey).

**Upper part:** With LED- and optics-modules

**Lower part:** With electronic ballast, glass cover, cable entry with cable relief, retractable.

**Glass:** Flat safety glass pane, resistant to

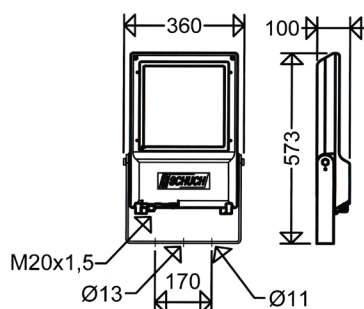
temperature changes, impact resistant IK10, silicone gasket.

**Light distribution:** Narrow-wide (TB) or narrow beam (T).

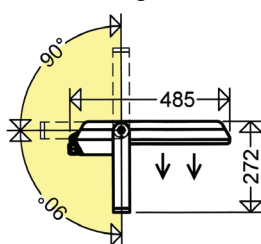
**Connection:** 3-pole terminal, max. clamping range 2,5 mm<sup>2</sup>.

**Cable entry:** 2 cable entries M20 x 1.5 (1 cable gland and 1 screw plug).

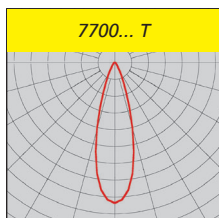
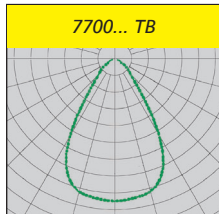
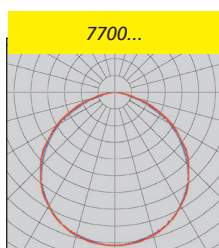
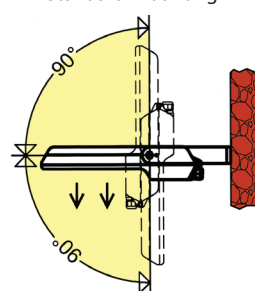
**Mounting:** Mounting bracket, swivel range 180°, with 3 drillings for wall- or ceiling mounting respectively for direct pole mounting in addition with pipe clamps ROB 60/76 (see accessories).



Swivel range



Standard Mounting



### 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%). Alternative 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)

#### 1-10V (DIMA)

**Constant luminous flux function (CL):** 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).

### Further Options:

- 3,000K, light colour 730 (8% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (38% lower luminous flux)
- extremely narrow beam (TX)
- high protection (HR) against corrosive atmospheres or harmful gases
- seawater-resistant version (SWP)
- for connection to group or central battery systems (ZB) or emergency mains respectively
- special painting in all RAL colours
- expanded Swivel range

### Product highlights:

- ECG with 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 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.
- comfortable maintenance due to removable lower part of the housing, large opening allows easy access to the terminal box and the electrical components, ECG replaceable on-site
- future proof by using standardized LED-modules (Zhaga)

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 (ca. kg) (without packaging)	Power/ consumption W *	Luminous flux [lm] *	Luminous efficacy [lm/W]
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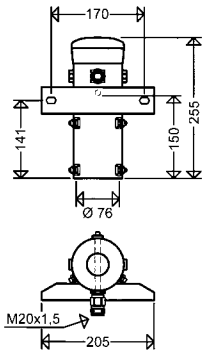
## 7700 ...



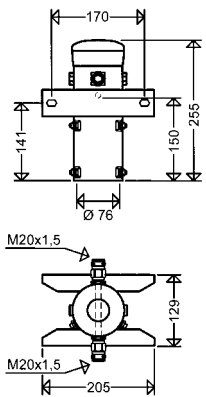
77000 0006	<b>7700 3203</b>			A++	9,2	70	9.800	140
77000 0010	<b>7700 3203TB</b>	•		A++	9,2			
77000 0014	<b>7700 3203T</b>		•	A++	9,2			
77000 0007	<b>7700 4803</b>			A++	9,6	106	14.700	139
77000 0011	<b>7700 4803TB</b>	•		A++	9,6			
77000 0015	<b>7700 4803T</b>		•	A++	9,6			
77000 0008	<b>7700 6403</b>			A++	9,6	140	19.400	139
77000 0012	<b>7700 6403TB</b>	•		A++	9,6			
77000 0016	<b>7700 6403T</b>		•	A++	9,6			

\* see notes

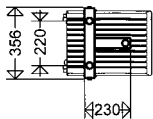
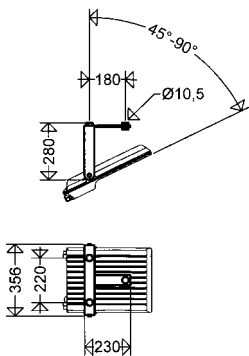
### Pole top for single mounting 7700/7800/1 M



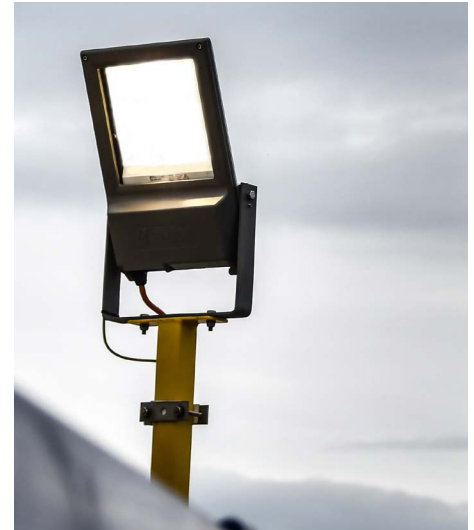
### Pole top for dual mounting 7700/7800/2 M



### vibration absorbing suspension device SD 7700 ST



Also available with output reduction (LR) and constant luminous flux function (CL) or combinations of the functions (CL LR / CL LA)



## Accessories / Spare Parts

Article no.	Type	
78001 9002	<b>7700/010</b>	spare safety glas
75739 9010	<b>7700/7800/1 M</b>	pole top for single mounting
75739 9011	<b>7700/7800/2 M</b>	pole top for dual mounting
90270 0005	<b>ROB 60/76</b>	pipe clamp for direct pole mounting or on multiple post top adapters
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
75350 0034	<b>SD 7700 ST</b>	vibration absorbing suspension device for series 7700, galvanised steel

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