



Now more efficient and more powerful!



## FOCO XL Plane Surface Floodlight Series 7800...

### Application:

Industrial areas, large equipment for open-cast mining, stockyards, installation areas, object protection and fence lighting, construction zone, 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 optic-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 IK09, 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 M25 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).

### Electrical design:

**LED module:** Zhaga compliant, 4,000K,  $R_a > 70$ , lifetime  $L_{90} > 100,000$ h

**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)

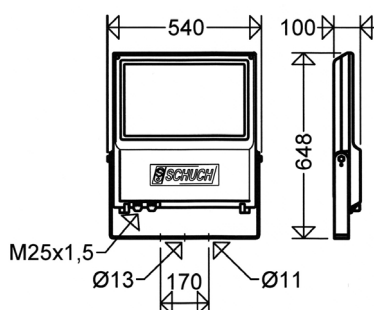
#### 1-10V (DIMA)

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

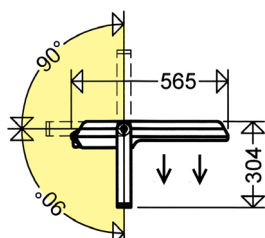
Also, combinations of the functions are possible (CL LR / CL LA).

### Further Options:

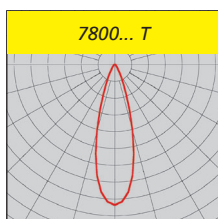
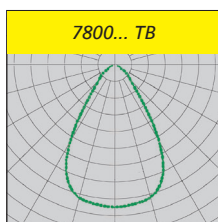
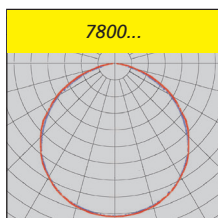
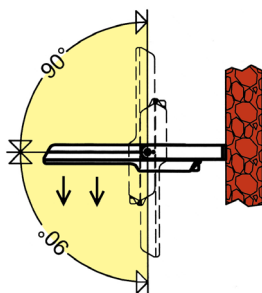
- 3,000K, light colour **730** (ca. 8% lower luminous flux)
- 1,800K, light colour **518** „Amber“ (ca. 34% lower luminous flux)
- extremely narrow beam (TX)
- high protection (HR) against corrosive atmospheres or harmful gases
- seawater-resistant version (SWP)
- for connection to group or central battery systems (ZB)
- special painting in all RAL colours



Swivel range



Standard Mounting



### Schuch Quality – your advantage:

- 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)

### 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 [ca. kg] (without packaging)	Power / consumption W *	Luminous flux [lm] *	Luminous efficacy [lm/W]
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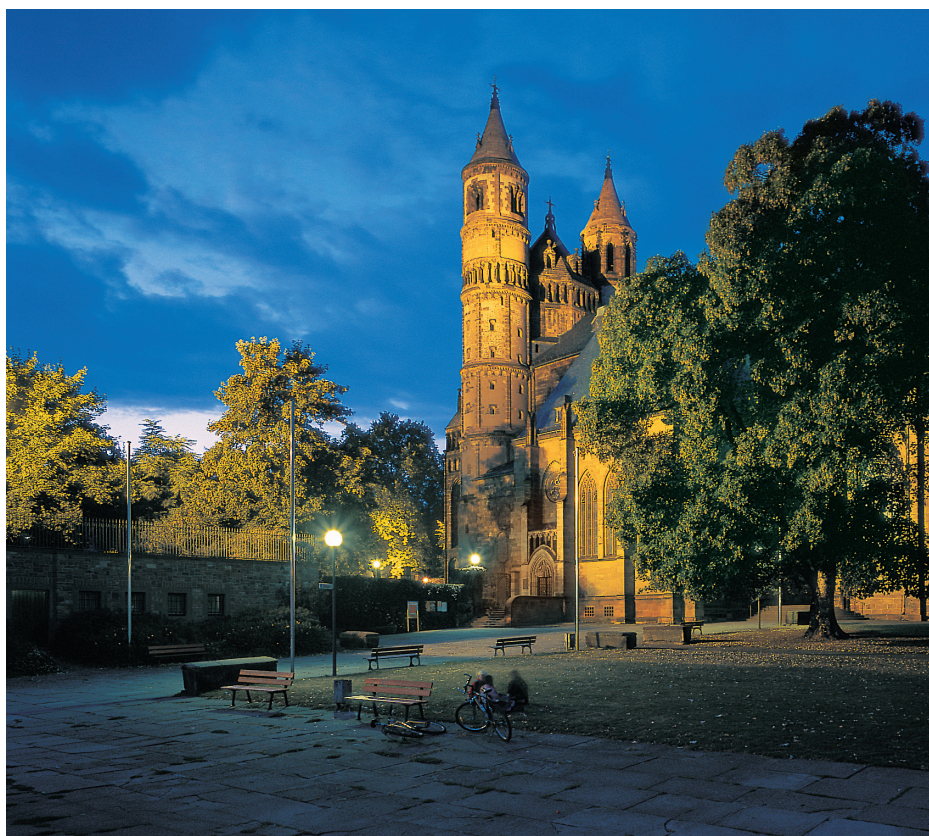
## 7800 ...



78000 0011	<b>7800 6403</b>			A++	15,9	140	19.560	140
78000 0001	<b>7800 6403TB</b>	•		A++	15,9			
78000 0041	<b>7800 6403T</b>		•	A++	15,9			
78000 0012	<b>7800 12803</b>			A++	17,0	280	37.620	134
78000 0002	<b>7800 12803TB</b>	•		A++	17,0			
78000 0042	<b>7800 12803T</b>		•	A++	17,0			

\* see notes

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



Outdoor  
Light Fittings

## Accessories / Spare Parts

Article no.	Type	
78001 9001	<b>7800/010</b>	spare safety glass
90270 0005	<b>ROB 60/76</b>	pipe clamp for direct pole mounting or on multiple post top adapters
90117 9000	<b>2537</b>	plastic cable gland M25 x 1,5 black
90118 9000	<b>2538</b>	plastic plug M25 x 1,5 black