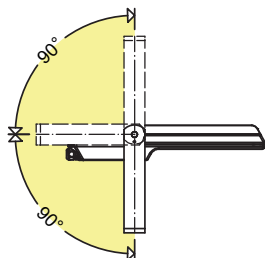
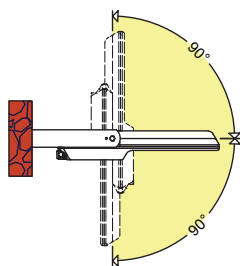


Swivel range



Standard Mounting



FOCO XL LED Floodlight / Plane Surface Floodlight Series 7800...

Applications:

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 DB 702 (mica-iron paint, grey).

Upper part: With LED- and optics-modules

Lower part: With electronic ballast, glass cover, cable entry with cable relief and pressure compensation system, retractable.

Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.

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

Connection: 3-pole terminal, max. clamping range 2,5 mm².

Cable entry: 1 cable entry M25 x 1.5 (1 cable gland).

Mounting: Mounting bracket, swivel range 180°, with 3 drillings for wall- or ceiling mounting or for direct pole mounting in conjunction with pipe clamps ROB 60/76 G2 (see accessories).

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 +40°C

Options:

- 2,200K, light colour 722 (approx. 23% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (approx. 38% lower luminous flux)
- adaptive Light EcoTune (ET)
- protection class II (SKII)
- asymmetrical wide beam (AB-optics)
- asymmetrical extremely wide beam (ABX)
- optics for ME-classes (AB3)
- low glare optics (ABL)
- 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 lighting networks respectively
- additional overvoltage protection (OP)
- inrush current limiter (ESSB)
- Light Management System (LIMAS) in protection class I (SKI)
- extended Swivel range (ESB)
- cable looping at 1 small side (RR)
- vibration-resistant design (RF)
- special painting in RAL colours (SL)
- assembled with attached cable to desired length)

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
- 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	Quantity of ECG	Weight [ca. kg] (without packaging)	Power/ consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]
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7800 ...



Floodlight / Plane Surface Floodlight

colour temperature 4.000K (light colour 740)

78000 0011	7800 6403	•					15,9	140	20.500	146
78000 0001	7800 6403TB		•				15,9			
78000 0041	7800 6403T			•			15,9			
78000 0021	7800 6403A				•	1	15,9			
78000 0012	7800 12803 ¹⁾	•					17,0	280	39.500	141
78000 0002	7800 12803TB ¹⁾		•				17,0			
78000 0042	7800 12803T ¹⁾			•			17,0			
78000 0022	7800 12803A ¹⁾				•	2	17,0			

colour temperature 3.000K (light colour 730)

78000 0112	7800 6403 730	•					15,9	140	19.270	138
78000 0113	7800 6403TB 730		•				15,9			
78000 0114	7800 6403T 730			•			15,9			
78000 0050	7800 6403A 730				•	1	15,9			
78000 0115	7800 12803 730 ¹⁾	•					17,0	280	37.130	133
78000 0057	7800 12803TB 730 ¹⁾		•				17,0			
78000 0116	7800 12803T 730 ¹⁾			•			17,0			
78000 0054	7800 12803A 730 ¹⁾				•	2	17,0			

1) ENEC / VDE certified

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



Accessories / Spare Parts

Article no.	Type	
78001 9001	ABD 7800	spare safety glas
75739 9010	7700/7800/1 M	pole top for single mounting; galvanised steel
75739 9011	7700/7800/2 M	pole top for dual mounting; galvanised steel
90270 0006	ROB 60/76 G2	pipe clamp for direct pole mounting or on multiple post top adapters; galvanised steel
90117 9000	2537	plastic cable gland M25 x 1,5 black
75350 0033	SD 7800 ST	vibration absorbing suspension device for series 7800, galvanised steel

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