



ExFOCO XL LED-Floodlight/ plane surface floodlight for Ex-Zone 2/22 Series nD8800...

Applications:

Hazardous locations of Zones 2 (gas) and 22 (dust), indoor and outdoor areas, stockyards, construction sites, transport routes, pipe bridge, pedestrian areas 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, retractable.

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

Connection terminal: 3-pole terminal, max. clamping range 2.5 mm².

Cable entry: 1 gland M25 x 1.5.

Mounting: Mounting bracket, swivel range 180 °, for wall- or ceiling mounting or for direct pole mounting in conjunction with pipe clamps

ROB 60/76 G2 (see accessories).

Standard Mounting: Facing downwards or horizontal.

Electrical design:

LED module: 4,000 K or 3,000 K, $R_a > 70$, service life $L_{90} > 100,000$ h at max. ambient temperature, Zhaga compliant

ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

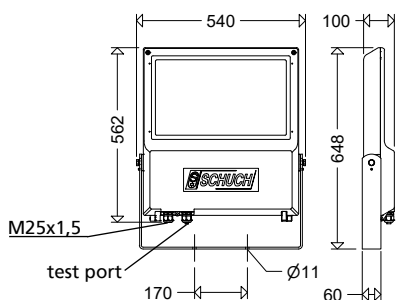
Ambient temperature: -30 °C up to +40 °C

Options:

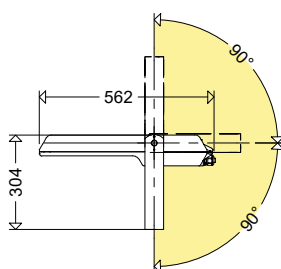
- for higher ambient temperatures (H50), up to +50 °C
- seawater resistant version
- for connection to central emergency supply systems (ZB)
- dimming function via DALI2 interface, compatible with LIMAS Line BASIC/

PRO wired Light Management System (DIMD)

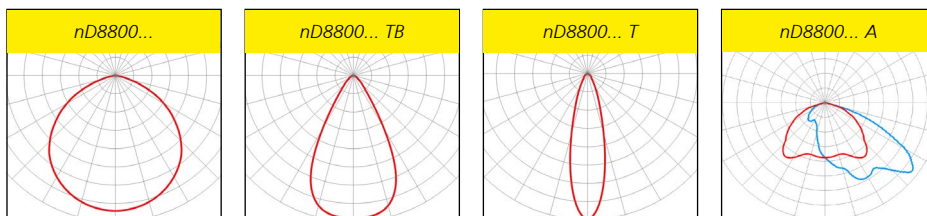
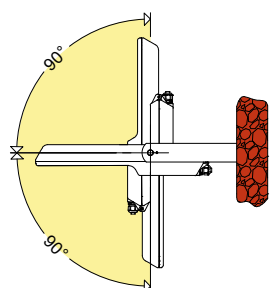
- power reduction with control phase (LR)
- constant luminous flux function (CL)



Swivel range



Standard Mounting



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 (Plane surface floodlight)
- all versions dimmable to 10 % with color temperature up to max. 3,000 K fulfill the Dark Sky requirements
- 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	Connected load [W]	Luminous flux ca. [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Weight [kg] (without packing material)
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Note:

This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.

nD8800/ ...



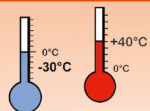
II 3 G Ex nR IIC
T4 Gc

II 3 D Ex tc IIIC
T100°C Dc

IP66



~0,2m



Type Examination Certificate:

IBExU 22 ATEX B012X

Other approvals:

IECEx IBE 22.0021X

Ignition protection: nR

Marking:

II 3 G Ex nR IIC T4 Gc

(Zone 2)

II 3 D Ex tc IIIC T100°C Dc

(Zone 22)

Rated voltage: 220 V up to 240 V AC,
50/60 Hz

Permissible ambient temperature:

-30 °C up to +40 °C

colour temperature 4.000K (light colour 740)

wide beam

88000 0001	nD8800 6403	140	22.650	162	40	15,9
88000 0007	nD8800 12803	280	43.920	157	40	17,0

narrow wide beam

88000 0002	nD8800 6403TB	140	22.650	162	40	15,9
88000 0008	nD8800 12802TB	198	32.720	165	40	17,0

narrow beam

88000 0013	nD8800 6403T	140	22.650	162	40	15,9
88000 0014	nD8800 12802T	198	32.720	165	40	17,0

asymmetrical beam (plane surface floodlight)

88000 0003	nD8800 6403A	140	20.500	146	40	15,9
88000 0009	nD8800 12802A	198	29.300	148	40	17,0

colour temperature 3.000K (light colour 730)

wide beam

88000 0025	nD8800 6403 730	140	21.520	154	40	15,9
88000 0029	nD8800 12803 730	280	41.720	149	40	17,0

narrow wide beam

88000 0026	nD8800 6403TB 730	140	21.520	154	40	15,9
88000 0030	nD8800 12802TB 730	198	31.080	157	40	17,0

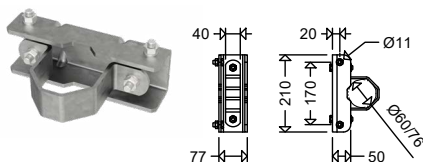
narrow beam

88000 0027	nD8800 6403T 730	140	21.520	154	40	15,9
88000 0031	nD8800 12802T 730	198	31.080	157	40	17,0

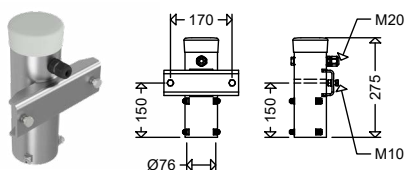
asymmetrical beam (plane surface floodlight)

88000 0028	nD8800 6403A 730	140	19.270	138	40	15,9
88000 0032	nD8800 12802A 730	198	27.540	139	40	17,0

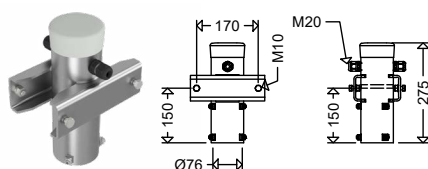
Pipe clamp fastening: ROB 60/76 G2



Single mounting: MAU 1 76/170 M10



Double mounting: MAU 2 76/170 M10



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9000	2537	ex-protected plastic cable gland M25 x 1,5
90119 9000	2539	ex-protected plastic cable gland M25 x 1,5 with plug
Mounting material		
90270 0006	ROB 60/76 G2	Pipe clamp fastening for direct pole mounting; galvanised steel
75739 9001	MAU 1 76/170 M10	Pole top for single mounting, Ø 76 mm, galvanized steel
75739 9002	MAU 2 76/170 M10	Pole top for double mounting, Ø 76 mm, galvanized steel