

ExFOCO XL

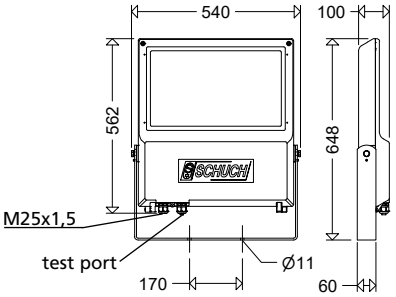
LED-Floodlight for Ex-Zone 2/22

Series nD8800...

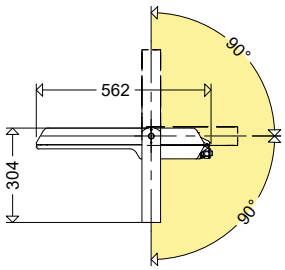
Applications:
Hazardous locations of Zones 2 (gas) and 22 (dust), indoor and outdoor areas, stockyards, construction sites, transport routes, pipe bridge, pedestrian areas etc.

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. Separate accessories are required for pole mounting (see Accessories/Spare Parts).
Standard Mounting: Facing downwards or horizontal.

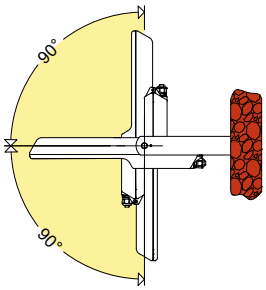
Technical Data:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.
Ambient temperature: -30 °C up to +40 °C



Swivel range

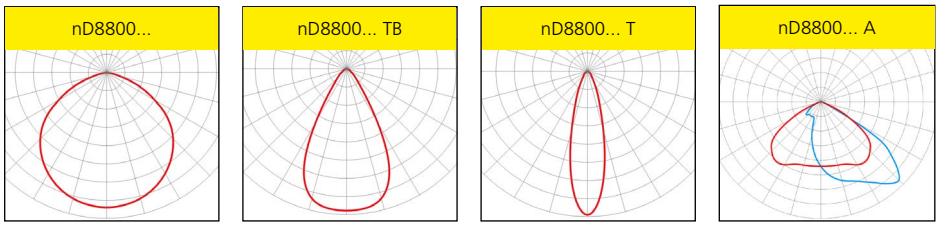


Standard Mounting



Options:

- for higher ambient temperatures (**H50**), up to +50 °C
- seawater resistant version
- for connection to central emergency supply systems (**ZB**)
- dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/ PRO wired Light Management System (**DIMD**)
- power reduction with control phase (**LR**)
- constant luminous flux function (**CL**)



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 h**ighly 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
- no light emission into the upper half-space, **ULOR=0 (Plane surface floodlight)**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof by using standardised LED-modules (Zhaga)**

! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

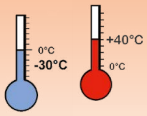
All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

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 | -0,5m



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

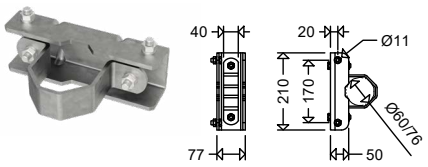
colour temperature 4.000K (light colour 740)

Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]
88000 0001	**nD8800 6403**	•				40	15,9	140	22.650	162
88000 0002	**nD8800 6403TB**		•							
88000 0013	**nD8800 6403T**			•						
88000 0003	**nD8800 6403A**				•					
88000 0008	**nD8800 12802TB**		•			40	17,0	198	32.720	165
88000 0014	**nD8800 12802T**			•						
88000 0009	**nD8800 12802A**				•					
88000 0007	**nD8800 12803**	•				40	17,0	280	43.920	157

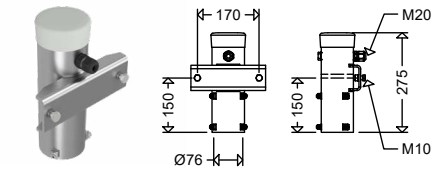
colour temperature 3.000K (light colour 730)

Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]
88000 0025	**nD8800 6403 730**	•				40	15,9	140	21.520	154
88000 0026	**nD8800 6403TB 730**		•							
88000 0027	**nD8800 6403T 730**			•						
88000 0028	**nD8800 6403A 730**				•					
88000 0030	**nD8800 12802TB 730**		•			40	17,0	198	31.080	157
88000 0031	**nD8800 12802T 730**			•						
88000 0032	**nD8800 12802A 730**				•					
88000 0029	**nD8800 12803 730**	•				40	17,0	280	41.720	149

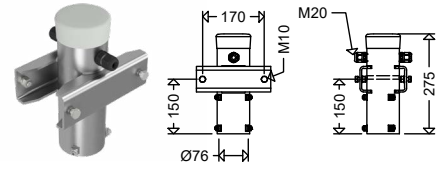
Pipe clamp fastening: ROB 60/76 G2



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, not for stainless steel brackets
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