

ExFOCO L

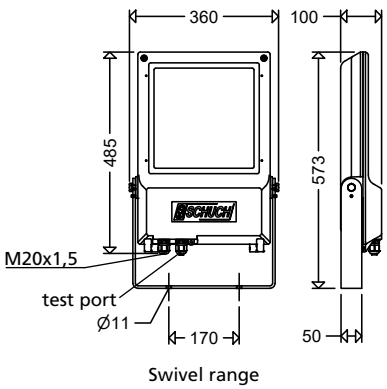
LED-Floodlight for Ex-Zone 2/22

Series nD8700...

Applications:
Hazardous locations of Zones 2 (gas atmosphere) and 22 (dust atmosphere), indoor and outdoor areas, stockyards, e.g. 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 IK10, silicone gasket.
Light distribution: With optics narrow-wide (**TB**), narrow (**T**) or asymmetrical beam (**A**), without optics wide beam.
Connection terminal: 3-pole terminal max. clamping range 2,5 mm².
Cable entry: 1 gland M20 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.

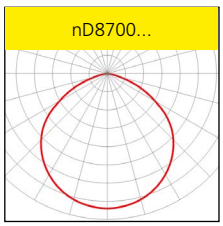
Technical Data:
LED module: 4,000 K or 3.000 K, R_a > 70, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.
Ambient temperature: -30 °C up to +40 °C

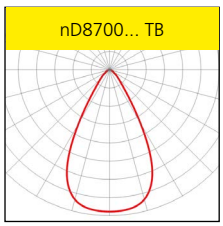


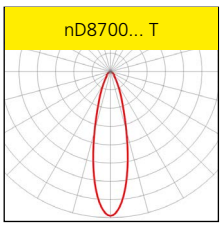
Swivel range

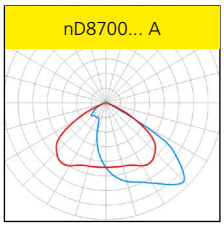
Options:
– for higher ambient temperatures (**H55**), up to +55 °C
– seawater resistant version
– for connection to central emergency supply systems (**ZB**)
– dimming function via DALI-2 interface, compatible to LIMAS Line BASIC/ PRO wired Light Management System (**DIMD**)
– power reduction with control phase (**LR**)
– constant luminous flux function (**CL**)







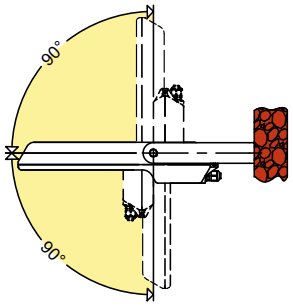




Product highlights:

- **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)**

Standard Mounting



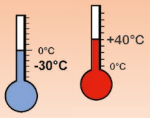
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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.

nD8700/ ...



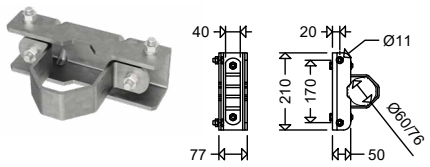
Type Examination Certificate:
IBExU 22 ATEX B012X
Other approvals:
IECEx IBE 22.0021X
Ignition protection: nR

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

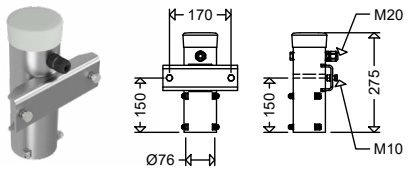
Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]
						II 3 G Ex nR IIC T4 Gc	II 3 D Ex tc IIIC T100°C Dc	IP66		-0,5m
colour temperature 4.000 K (light colour 740)										
87000 0007	**nD8700 4803**	•				40	9,7	106	16.790	158
87000 0008	**nD8700 4803TB**		•							
87000 0014	**nD8700 4803T**			•						
87000 0009	**nD8700 4803A**				•					
87000 0001	**nD8700 6403**	•				40	9,7	140	21.940	157
87000 0002	**nD8700 6403TB**		•							
87000 0013	**nD8700 6403T**			•						
87000 0003	**nD8700 6403A**				•					
colour temperature 3.000 K (light colour 730)										
87000 0032	**nD8700 4803 730**	•				40	9,7	106	15.950	150
87000 0033	**nD8700 4803TB 730**		•							
87000 0034	**nD8700 4803T 730**			•						
87000 0035	**nD8700 4803A 730**				•					
87000 0036	**nD8700 6403 730**	•				40	9,7	140	20.840	149
87000 0037	**nD8700 6403TB 730**		•							
87000 0038	**nD8700 6403T 730**			•						
87000 0039	**nD8700 6403A 730**				•					



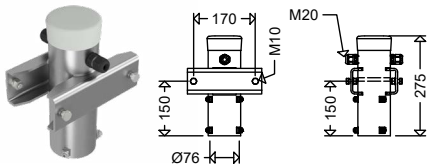
Pipe clamp fastening: ROB 60/76 G2



Single mounting: MAU 1 76/170 M10



Double mounting: MAU 2 76/170 M10



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90120 9000	**2531**	ex-protected plastic cable gland M20 x 1,5
90122 9000	**2533**	ex-protected plastic cable gland M20 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
79511 0006	**TR 1200/76/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0007	**TR 900/76/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole