

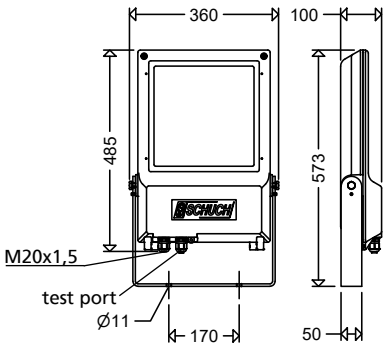
ExFOCO L
LED-Floodlight/ plane surface floodlight for Ex-Zone 2/22
Series nD8700...

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.

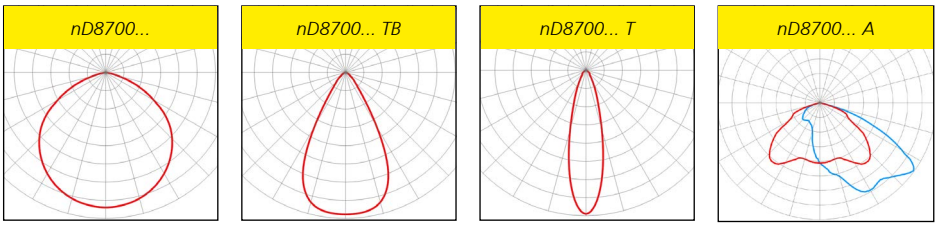
Design:
Housing: Die-cast aluminium, 2-parts, powder coated DB 702 (mica-iron paint, grey).
Upper part: With LED- and optics-modules,
Lower part: With electronic ballast, glass cover, cable entry with cable relief, retractable.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant 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 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

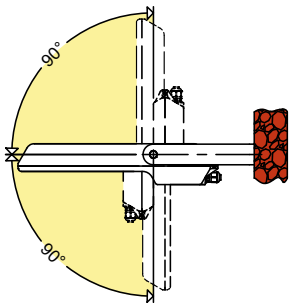
Options:
– for higher ambient temperatures (**H55**), up to +55 °C
– seawater resistant version
– for connection to central emergency supply systems (**ZB**)
– dimming function via DALI2 interface, compatible with LIMAS Line BASIC/ PRO wired Light Management System (**DIMD**)
– power reduction with control 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 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
- **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

Explosion protected Light Fittings

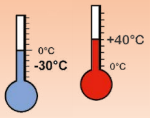
ЮНИА-Т ЕООД
www.juniabg.com, e-mail: sales@juniabg.com
2050 Ихтиман, България, тел. +359 886090968

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/ ...

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T100°C Dc | IP66 | -0,2m



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 4.000 K (light colour 740)

Article no.	Type	Connected load [W]	Luminous flux ca. [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Weight [kg] (without packing material)
wide beam						
87000 0007	**nD8700 4803**	106	16.790	158	40	9,7
87000 0001	**nD8700 6403**	140	21.940	157	40	9,7
narrow wide beam						
87000 0008	**nD8700 4803TB**	106	16.790	158	40	9,7
87000 0002	**nD8700 6403TB**	140	21.940	157	40	9,7
narrow beam						
87000 0014	**nD8700 4803T**	106	16.790	158	40	9,7
87000 0013	**nD8700 6403T**	140	21.940	157	40	9,7
asymmetrical beam (plane surface floodlight)						
87000 0009	**nD8700 4803A**	106	15.200	143	40	9,7
87000 0003	**nD8700 6403A**	140	20.000	143	40	9,7

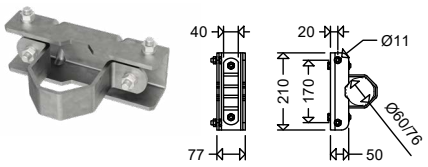
NEW

colour temperature 3.000 K (light colour 730)

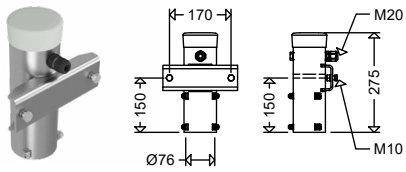
Article no.	Type	Connected load [W]	Luminous flux ca. [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Weight [kg] (without packing material)
wide beam						
87000 0032	**nD8700 4803 730**	106	15.950	150	40	9,7
87000 0036	**nD8700 6403 730**	140	20.840	149	40	9,7
narrow wide beam						
87000 0033	**nD8700 4803TB 730**	106	15.950	150	40	9,7
87000 0037	**nD8700 6403TB 730**	140	20.840	149	40	9,7
narrow beam						
87000 0034	**nD8700 4803T 730**	106	15.950	150	40	9,7
87000 0038	**nD8700 6403T 730**	140	20.840	149	40	9,7
asymmetrical beam (plane surface floodlight)						
87000 0035	**nD8700 4803A 730**	106	14.290	135	40	9,7
87000 0039	**nD8700 6403A 730**	140	18.800	134	40	9,7



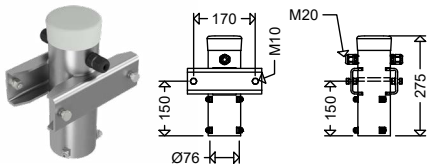
Pipe clamp fastening: ROB 60/76 G2



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
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

ЮНИА-Т ЕООД
www.juniabg.com, e-mail: sales@juniabg.com
2050 Ихтиман, България, тел. +359 886090968