

NEW

ExAREALO 2

LED-Floodlight for Ex-Zone 2/22

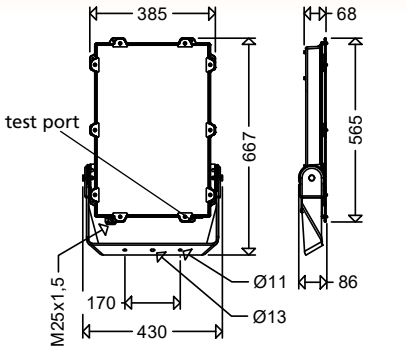
Series nD8950...

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.

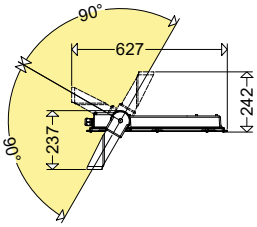
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 (mica-iron paint, grey) with LED module, optics, ECG and cable entry.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: With optics narrow-wide (**TB**), narrow (**T**) or asymmetrical beam (**A**), without optics wide beam.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Cable entry: 1 x M25 cable gland.
Mounting: Mounting bracket can be swivelled through 180° in 5° steps, with holes for wall or ceiling mounting. Separate accessories are required for pole mounting (see accessories/spare parts).
Standard Mounting: Facing downwards or forwards.

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 10kV, overload and short circuit protection.
Ambient temperature: -30 °C up to +40 °C

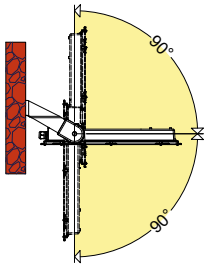
Options:
– 2,200 K; light colour (**722**)
– for higher ambient temperatures (**H65**), up to +65 °C
– asymmetrical wide beam (**AB**)
– asymmetrical extremely wide beam (**RWX**)
– seawater-resistant version
– bird deterrence
– dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/PRO wired Light Management System (**DIMD**)
– constant luminous flux function (**CL**)

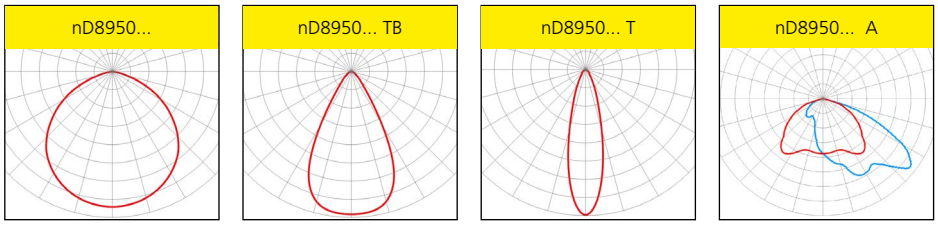


Swivel range



Standard Mounting





Product highlights:

- **durable, corrosion-resistant die-cast aluminium housing**
- low total weight, low mast load
- **excellent thermal management,** long service life
- **quick electrical connection** due to outlaying electrical connection box
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- no light emission into the upper half-space, **ULOR=0**
- 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) and long-term availability of spare parts



Properties, limitations and details for controlling LED-light fittings:

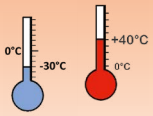
See "Technical Supplement"

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 bassins or water treatment plants.

nD8950...



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 - 240 V, 50/60 Hz
Permissible ambient temperature:
-30 °C up to +40 °C

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T100°C Dc | IP66 | -0.5m

colour temperature 4.000K (light colour 740)

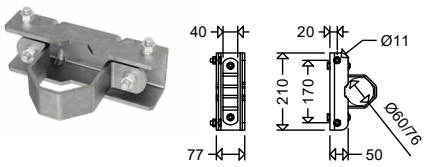
Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
89500 0101	**nD8950 14401**	•				40	10,7	144	26.500	184	HIE 400 (HS-VG), HIT400
89500 0102	**nD8950 14401 TB**		•								
89500 0103	**nD8950 14401 T**			•							
89500 0104	**nD8950 14401 A**				•						
89500 0201	**nD8950 14402**	•				40	11,0	209	36.800	176	HIT 400
89500 0202	**nD8950 14402 TB**		•								
89500 0203	**nD8950 14402 T**			•							
89500 0204	**nD8950 14402 A**				•						
89500 0301	**nD8950 14403**	•				40	11,0	298	49.300	165	2 x HIT 250, HME 400
89500 0302	**nD8950 14403 TB**		•								
89500 0303	**nD8950 14403 T**			•							
89500 0304	**nD8950 14403 A**				•						

colour temperature 3.000K (light colour 730)

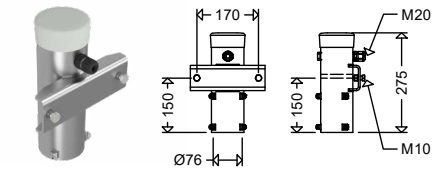
89500 0105	**nD8950 14401 730**	•				40	10,7	144	25.200	175	HIE 400 (HS-VG), HIT400
89500 0106	**nD8950 14401 730 TB**		•								
89500 0107	**nD8950 14401 730 T**			•							
89500 0108	**nD8950 14401 730 A**				•						
89500 0205	**nD8950 14402 730**	•				40	11,0	209	35.000	167	HIT 400
89500 0206	**nD8950 14402 730 TB**		•								
89500 0207	**nD8950 14402 730 T**			•							
89500 0208	**nD8950 14402 730 A**				•						
89500 0305	**nD8950 14403 730**	•				40	11,0	298	46.800	157	2 x HIT 250, HME 400
89500 0306	**nD8950 14403 730 TB**		•								
89500 0307	**nD8950 14403 730 T**			•							
89500 0308	**nD8950 14403 730 A**				•						

* This date is a rough guideline. In individual cases a lighting calculation is required.

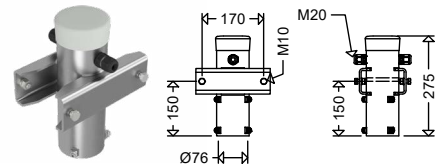
Pipe clamp fastening: ROB 60/76 G2



Single mounting: MAU 1 76/170 M10



Double mounting: MAU 2 76/170 M10



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9006	**2537 G**	ex-protected plastic cable gland M25 x 1,5 with locknut
90119 9001	**2539 G**	ex-protected plastic cable gland M25 x 1,5 with plug and locknut
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 0001	**TR 1200/108/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0004	**TR 900/108/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
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