

LED FLOODLIGHT SERIES ND8950

Zones 2, 22

Full catalogue available on our website: www.inpratex.com

ATEX FLOODLIGHTS

ZONES 2 (gas) & 22 (dust)

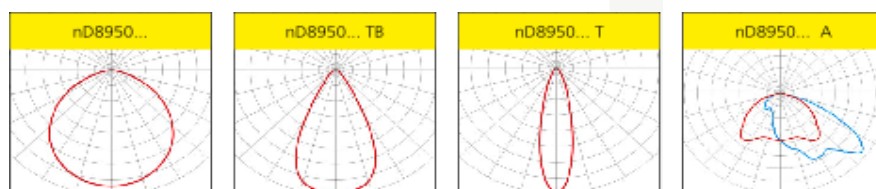
Durable, efficient, environmentally friendly and very powerful, the nD8950 Series LED floodlight for Zone 2/22 sets new standards and impresses in particular with its low overall weight and flat design. Its corrosion-resistant die-cast aluminium housing ensures maximum durability, while the optimised thermal management guarantees a long service life.

In terms of ease of installation, this floodlight impresses with its low weight, the resulting significantly reduced load on the mast and the externally accessible connection compartment, which enables quick and convenient electrical connection.



Declaration of Conformity

- 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
- eco-friendly, 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
- sustainable, control gear and LED-module replaceable
- future proof by using standardised LED-modules (Zhaga) and long-term availability of spare parts
- GreenLine luminaire, outstanding sustainable design



Options:
dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/PRO wired Light Management System (DIMD)

ITEM REFERENCES - 4000K (LIGHT COLOUR 740)

Designation:	Power:	Lumin. flux (lm):	Light output (lm/W):	Weight (kg):	Item No.:
wide beam					
nD8950 14401	144W	26.500	184	10,7	1B1701
nD8950 14402	209W	36.800	176	11,0	1B1702
nD8950 14403	298W	49.300	165	11,0	1B1703
narrow wide beam					
nD8950 14401 TB	144W	26.500	184	10,7	1B1704
nD8950 14402 TB	209W	36.800	176	11,0	1B1705
nD8950 14403 TB	298W	49.300	165	11,0	1B1706
narrow beam					
nD8950 14401 T	144W	26.500	184	10,7	1B1707
nD8950 14402 T	209W	36.800	176	11,0	1B1708
nD8950 14403 T	298W	49.300	165	11,0	1B1709
asymmetrical beam					
nD8950 14401 A	144W	26.500	184	10,7	1B1710
nD8950 14402 A	209W	36.800	176	11,0	1B1711
nD8950 14403 A	298W	49.300	165	11,0	1B1712

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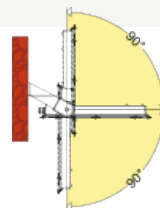
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LIGHTING

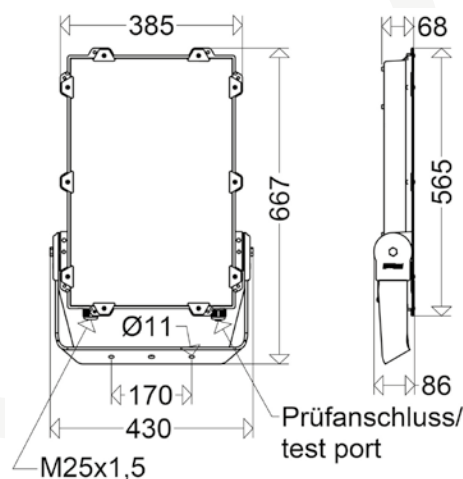
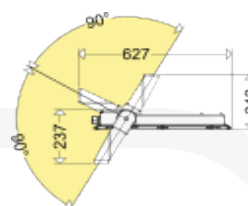
ITEM REFERENCES - 3000K (LIGHT COLOUR 730)					
Designation:	Power:	Lumin. flux (lm):	Light output (lm/W):	Weight (kg):	Item No.:
wide beam					
nD8950 14401 730	144W	25.200	175	10,7	1B1721
nD8950 14402 730	209W	35.000	167	11,0	1B1722
nD8950 14403 730	298W	46.800	157	11,0	1B1723
narrow wide beam					
nD8950 14401 730 TB	144W	25.200	175	10,7	1B1724
nD8950 14402 730 TB	209W	35.000	167	11,0	1B1725
nD8950 14403 730 TB	298W	46.800	157	11,0	1B1726
narrow beam					
nD8950 14401 730 T	144W	25.200	175	10,7	1B1727
nD8950 14402 730 T	209W	35.000	167	11,0	1B1728
nD8950 14403 730 T	298W	46.800	157	11,0	1B1729
asymmetrical beam (plane surface floodlight)					
nD8950 14401 730 A	144W	25.200	175	10,7	1B1730
nD8950 14402 730 A	209W	35.000	167	11,0	1B1731
nD8950 14403 730 A	298W	46.800	157	11,0	1B1732

TECHNICAL SPECIFICATIONS	
Marking:	 II 3G Ex nR IIC T4 Gc  II 3D Ex tc IIIC T100°C Dc
Certificate:	Declaration of Conformity
Operating temperature:	-30°C to +40°C
Housing:	Die-cast aluminium, 1-part, powder coated DB 702 (mica-iron paint, grey) with LED module, optics, ECG and cable entry
Cover:	Flat safety glass pane, resistant to temperature changes, silicone gasket
Impact protection:	IK09
LED:	LED module 4000K or 3000K, $R_a > 70$. $L_{95} > 100,000$ h at max. ambient temperature, Zhaga compliant
Light distribution:	With optics narrow-wide (TB), narrow (T) or asymmetrical beam (A), without optics wide beam
Rated voltage:	220/240V. Surge voltage resistance 10 kV, overload and short circuit protection
Operating frequency:	50/60 Hz
Ingress protection:	IP65
Connection:	Connection compartment accessible from outside, terminal up to max. 2.5 mm ²
Mounting:	Standard Mounting: Facing downwards or forwards. 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)
Cable entries:	1x M25x1,5 plastic cable gland

Swivel range



Standard mounting



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* This light fitting is not suitable for applications 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.

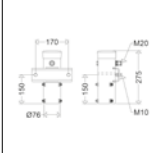
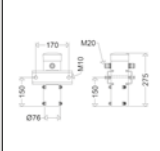
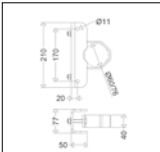
Due to a high inrush current when switching on the light fitting, the number of light fittings which can be connected to a single fused circuit is limited.

* Typical values; possible deviations depending on make, cable impedance and temperature

Possible number of light fittings per circuit breaker*:

nD8950 ...	Type B 10 A	Type B 16 A	Type C 10 A	Type C 16 A
14401	13	20	20	34
14402	7	10	10	17
14403	7	10	10	17

ACCESSORIES

Designation:	Image:	Dimensions:	Item No.:
Pole top for single mounting, Ø76 mm, galvanized steel			MAU 1 76/170 M10
Pole top for double mounting, Ø76 mm, galvanized steel			MAU 2 76/170 M10
Pipe clamp fastening for direct pole mounting; galvanised steel, not for stainless steel brackets			ROB 60/76 G2