

NEW

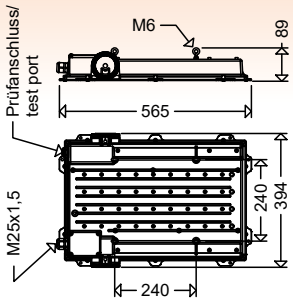
ExAREALO 2

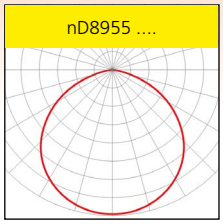
LED High Bay Fittings for Ex-Zone 2/22

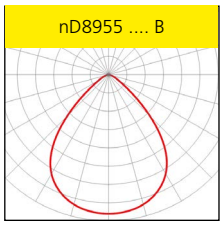
Series nD8955...

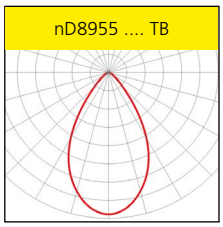
Applications:
Hazardous locations, of Zones 2 (gas) and 22 (dust), in assembling- and production halls, warehouses, in industrial sectors, workshops, chemical factories etc.

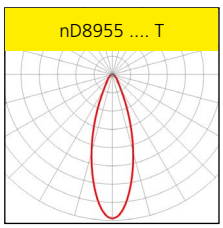
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 with LED module, optics, ECG and cable entry.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: Without optics wide beam, with optics wide beam (**B**), narrow wide beam (**TB**) or narrow beam (**T**), narrow oval beaam (**TO**) for illumination of aisles in rack areas respectively asymmetrical beam (**A**).
Entries: 1 gland M25 x 1.5.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Mounting: 4 eyelets included in delivery.
General Purpose: Beaming downwards 0°.

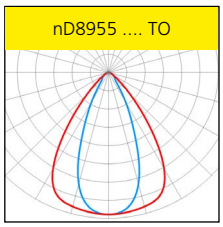


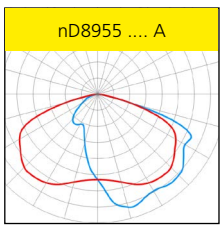












Technical Data:
LED module: 4,000 K, CRI > 80, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220 - 240 V, 50/60 Hz. Surge voltage resistance 4 kV, overload and short circuit protection
Ambient temperature: -30 °C up to +40 °C

Options:
- 5,000 K; light colour (**850**)
- for higher ambient temperatures (**H65**), up to +65 °C
- seawater-resistant version
- for connection to central emergency supply systems (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:
- dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/ PRO wired Light Management System (**DIMD**)
- constant luminous flux function (**CL**)

Product highlights:
- **long-lasting, corrosion-resistant** die-cast aluminium housing
- **optimized thermal management** due to direct mounting of the LED modules to the housing, large cooling surface, excellent heat dissipation
- **uniform 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
- 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



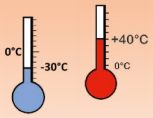
Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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.

nD8955...



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

Article no.	Type	Dimmable	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 *
89550 0101	**nD8955 L250**		•				40	8,2	144	27.500	191	HIE 400 (HS-VG), HIT400
89550 0102	**nD8955 L250 B**		•									
89550 0103	**nD8955 L250 TB**			•								
89550 0104	**nD8955 L250 T**				•							
89550 0105	**nD8955 L250 TO**				•							
89550 0106	**nD8955 L250 A**					•						
89550 0107	**nD8955 L250 DIMD**	•	•									
89550 0108	**nD8955 L250 B DIMD**	•	•									
89550 0109	**nD8955 L250 TB DIMD**	•		•								
89550 0110	**nD8955 L250 T DIMD**	•			•							
89550 0111	**nD8955 L250 TO DIMD**	•			•							
89550 0112	**nD8955 L250 A DIMD**	•				•						
89550 0201	**nD8955 L360**		•				40	8,5	205	38.300	187	HIT 400
89550 0202	**nD8955 L360 B**		•									
89550 0203	**nD8955 L360 TB**			•								
89550 0204	**nD8955 L360 T**				•							
89550 0205	**nD8955 L360 TO**				•							
89550 0206	**nD8955 L250 A**					•						
89550 0207	**nD8955 L360 DIMD**	•	•									
89550 0208	**nD8955 L360 B DIMD**	•	•									
89550 0209	**nD8955 L360 TB DIMD**	•		•								
89550 0210	**nD8955 L360 T DIMD**	•			•							
89550 0211	**nD8955 L360 TO DIMD**	•			•							
89550 0212	**nD8955 L360 A DIMD**	•				•						
89550 0301	**nD8955 L470**		•				40	8,5	289	52.000	180	2 x HIT 250, HME 400
89550 0307	**nD8955 L470 DIMD**	•	•									

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

Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9006	**2537 G**	
90119 9001	**2539 G**	
Mounting material		
79559 0001	**WDBF 7955 ST**	Wall and ceiling mounting, galvanised steel, painted in DB 702
79559 0003	**WDBF 7955 E4**	Wall and ceiling mounting, stainless steel V4A, for SBL version, painted in DB 702
90022 0006	**BF SAH Y 420/45 ST P**	1 pair of Y-ropes