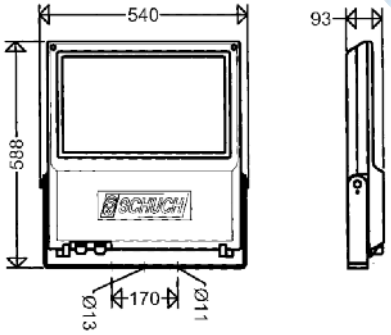
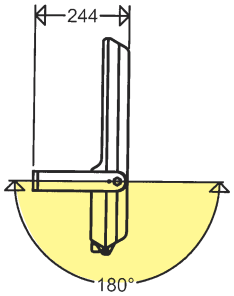
NEW

LED-Floodlight for Zones 2 and 22
Series nD8800... LED





Applications:
Hazardous locations of Zones 2 (gas atmosphere) and 22 (dust atmosphere), stockyards, building sites, open-air grounds, chemical and petrochemical areas etc..

Design:
Housing and glass retaining frame are made from weather resistant diecast aluminium. The glass frame is locked by 2 socket head cap screws (M6) and it is hinged to body after opening. The electrical components are located inside the floodlight.
Front cover: Thermal safety glass.
Connection terminal: Standard: 3 poles for max. 2,5mm² conductor Ø.
Cable entry: 2 entries 1 x M20 x 1.5 (1 gland and 1 plug).
Installation:
Aluminium stirrup that can be tilted infinitely around the longitudinal axis of the floodlight.

Technical Data:
LED: Highpower-LED 4,000K, R_a > 70, life cycle L_{80} B_{10} > 50.000h (at max. ambient temperature).
ECG: 220 - 240V, 50-60Hz. Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited. Overvoltage protection 4kV, excess temperature protection-, overload and short circuit protection, temperature monitoring of the LED modules
Ambient temperature: -20°C up to +40°C

Options:
- dimmable version 1-10V interface (DIMA) for analog components
- light output reduction (LR) per 230V control line (dimmable)
- DALI interface for dim light operation (DIMD)
- uniform luminous flux option (CL) to keep the light output on same level for the whole life cycle

Schuch Quality - your advantage:
- sturdy, high-grade floodlight for reliable and safe long-term use
- compact design, with all electrical components ready for connection
- excellent light distribution, glare limitation and minimized stray
- easy to install and to maintain
- suitable for gas- and dust-hazardous areas (Zone 2 and 22)
- ECG and LED-modules replacable by end-user
- optimized thermo management due to direct adaption of the LED modules at the housing, huge heat sink with excellent heat dissipation
- ECG wit high overvoltage protection, safe to operate because of overload and short-circuit protection

nD8800/...

LED | Ex | II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T...C Dc | IP66/67 | ..0,5m

Ignition protection: nR
Marking:
II 3 G Ex nR IIC T4 Gc (Zone 2)
II 3 D Ex tc IIIC T...°C Dc (Zone 22)

Rated voltage: 220V up to 240V AC, 50/60 Hz

Type	Article no.	Power/ consumption W	Luminous flux ca. lm	Luminous efficacy lm/W	Substitute for	Weight ca. kg
narrow wide beam						
nD8800/6403 TB		134	13.700	102	HIT 250W	14,5
nD8800/12803 TB **wide beam**		268	27.000	101	HIT 400W	16,0
nD8800/6403		134	14.300	107	HIT 250W	14,5
nD8800/12803 **asymmetrical beam**		268	28.000	104	HIT 400W	16,0
nD8800/6403 A		134	13.200	99	HIT 250W	14,5
nD8800/12803 A		268	26.000	97	HIT 400W	16,0

Notes:
Limitations for LED-light fittings: See chapter „Use of LED lighting in corrosive atmospheres" in the Technical Appendix.
All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.