



## ExFOCO XL LED-Floodlight/ plane surface floodlight for Ex-Zone 2/22 Series nD8800...

### Applications:

Hazardous locations of Zones 2 (gas) and 22 (dust), indoor and outdoor areas, stockyards, construction sites, transport routes, pipe bridge, pedestrian areas etc.

### Design:

Housing and glass retaining frame are made from diecast aluminium, DB 702 (mica-iron paint). The glass frame is locked by 2 socket head cap screws (M6) and it is hinged to the body after opening. The electrical components are located inside, silicone gasket.

Front cover: Thermal safety glass, impact resistance IK08.

**Optic:** Lens optics with narrow-wide, narrow, or asymmetric light distribution, or without Optics wide beam, Multi-Layer technology.

**Connection terminal:** 3-pole terminal, max. clamping range 2,5mm<sup>2</sup>.

**Cable entry:** 1 gland M25 x 1.5.

**Installation:** Mounting bracket, swivel range 180°.

**Standard Mounting:** Facing downwards or horizontal.

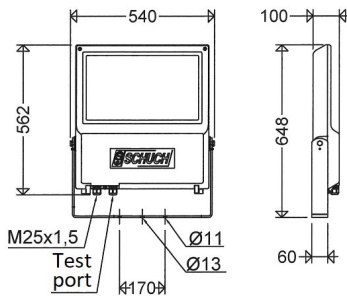
### Technical Data:

**LED:** Highpower-LED 4,000K, CRI > 70, lifetime L<sub>90</sub> > 100.000h at max. ambient temperature.

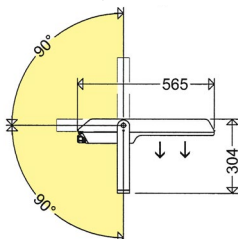
**ECG:** 220 - 240V, 50/60Hz, Surge voltage resistance 10kV, overload and short circuit protection.

**Note:** Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.

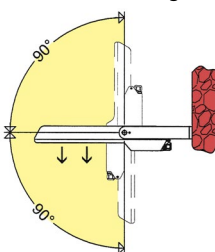
**Ambient temperature:** -30°C up to +40°C



### Swivel range



### Standard Mounting



### Options:

– **Output reduction with control phase (LR):** For reducing the luminous flux to 50%. Control phase (LST) required. Switching via control phase (LST = 230V: 100%; LST = 0V: 50%).

– **Control gear with dimming function via DALI2 interface, compatible with LIMAS Line (DIMD) Light Management System**

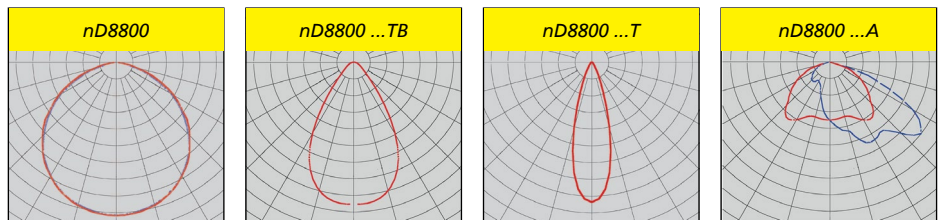
– **uniform luminous flux option (CL) to**

keep the light output on same level for the whole life cycle

– **Optics asymmetrical wide beam (AB)**

– **Optics asymmetrical extremely wide beam (ABX)**

– **for higher ambient temperatures up to +50°C**



### Product highlights:

- efficient 1:1 replacement for conventional HIT 400 W floods
- optimal thermal management possible by direct connection from the LED to the diecast aluminium housing, large cooling surface, excellent thermal conductivity
- extremely high lifetime even at maximum permissible ambient temperature
- uniform illumination due to the „Multi-Layer Principle“ i.e. every individual LED illuminates the whole surface, the light curves of the individual LED are overlapping
- future proof by using standardized LED-modules (Zhaga)



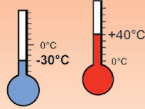
Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under [www.schuch.de](http://www.schuch.de).

Article no.	Type	Power consumption [W]	Luminous flux ca. [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Substitute for *	Weight [kg] (without packing material)
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**nD8800/ ...**   **II 3 G Ex nR IIC T4 Gc** **II 3 D Ex tc IIIC T100°C Dc** **IP66**  



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: 220V up to 240V AC, 50/60 Hz  
 Permissible ambient temperature: -30°C up to +40°C

**wide beam**

88000 0001	<b>nD8800 6403</b>	140	19.900	142	40	HIT 250W	15,9
88000 0007	<b>nD8800 12803</b>	280	38.300	137	40	HIT 400W	17,0

**narrow wide beam**

88000 0002	<b>nD8800 6403TB</b>	140	19.900	142	40	HIT 250W	15,9
88000 0008	<b>nD8800 12802TB</b>	198	28.410	143	40	HIE 400W	17,0

**narrow beam**

88000 0013	<b>nD8800 6403T</b>	140	19.900	142	40	HIT 250W	15,9
88000 0014	<b>nD8800 12802T</b>	198	28.410	143	40	HIE 400W	17,0

**asymmetrical beam (plane surface floodlight)**

88000 0003	<b>nD8800 6403A</b>	140	19.900	142	40	HIT 250W	15,9
88000 0009	<b>nD8800 12802A</b>	198	28.410	143	40	HIE 400W	17,0

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

Explosion protected Light Fittings

## Accessories / Spare Parts

Article no.	Type	
<b>Cable glands</b>		
90117 9000	<b>2537</b>	ex-protected plastic cable gland M25 x 1,5
90119 9000	<b>2539</b>	ex-protected plastic cable gland M25 x 1,5 with plug
<b>Mounting material</b>		
90270 0006	<b>ROB 60/76 G2</b>	pipe clamp for pole Ø60-76mm; galvanised steel