



## ExeLed 2

### LED-Light Fitting for Ex-Zones 2/22

### Series nD866...

#### Application:

Hazardous locations of zones 2 (gas) and 22 (dust).

#### Design:

**Housing:** Glass fibre reinforced polyester resin.

**Cover:** Injected polycarbonate, frosted (F).

**Closure:** Stainless steel clips (KE), two of them as safety clip (KES), to be opened with screwdriver only.

**Reflector:** Aluminium, painted, carrying the LED-modules and all electrical components,

clipped into the cover, suspendable.

**Connection:** 3 poles up to 2,5 mm<sup>2</sup>.

**Cable entries:** 3 entries M25 x 1,5,

(2 glands - one of them is plugged)

**Standard:** Facing downwards or forwards.

**Mechanical installation:**

Mounting accessories see spare parts/ accessories. Sealing gaskets for direct ceiling mounting are included.

#### Technical Data:

**LED:** Line modules 5,000K, CRI typically 80,

Lifetime: L<sub>70B10</sub> > 100.000h

L<sub>80B50</sub> > 100.000h

L<sub>90B50</sub> > 50.000h

at max. ambient temperature

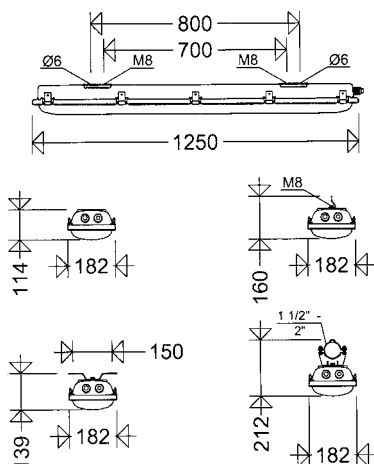
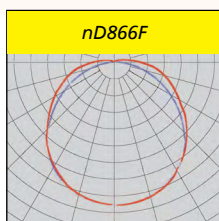
**ECG:** 220-240V AC/DC, 0 or 50-60Hz, overvoltage, overload, short circuit, excess temperature protection

#### Options:

– for connection to group or central battery (light fittings of version ZB only)

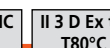
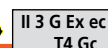
#### Note:

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.



Article no.	Type	Power consumption [W] *	Luminous flux [lm] *	Luminous efficacy [lm/W] **	Cover frosted	Ta max [°C]	Energy efficiency class	Substitute for **	Weight [kg] (without packing material)
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### nD866...



#### EC-Type Examination Certificate:

IBExU 16 ATEX B006

#### Other approvals:

IECx IBE 15.0015

Ignition protection: ec

#### Marking:

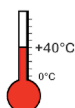
II 3 G Ex ec IIC T4 Gc (Zone 2)

II 3 D Ex tc IIIC T80°C Dc (Zone 22)

**Rated voltage:** 220-240V AC/DC, 0 or 50-60Hz.

**Permissible ambient temperature:**

-30°C see article table



#### Looping the cable on one side:

All light fittings of series nD866... have got 2 cable entries on one small side of the housing for cable looping instead of the through wiring system.

#### optimized for energy consumption

86600 0011	nD866F 12L22	15	2.270	149	•	40	A++	2 x 18W	4,7
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\* see notes

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

## Accessories / Spare Parts

Article No.	Type	
<b>Spare cover</b>		
86601 9001	8654F	PC, frosted
<b>Fasteners</b>		
90055 9004	KE/KES VE10	stainless steel, incl. 2 safety clips (packing unit 10 pcs.)
<b>Glands/breather</b>		
90117 9006	2537 G	ex-protected plastic cable gland M25 x 1,5 with nut
90118 9006	2538 G	ex-protected plastic plug M25 x 1,5 with nut
90259 9000	Klimastutzen EX	M25 x 1,5
<b>Mounting material</b>		
86501 9003	HK 865 P	2 retaining clips for variable mounting distances
90001 0002	H8V P	2 suspensions eyes with bolts, stainless steel
90000 0002	15A P	2 ceiling brackets, hot galvanized steel
90032 0002	15AV P	2 ceiling brackets, stainless steel
90037 0004	RO84 112 A P	2 pipe clamps 1 1/2", stainless steel, with support
90038 0004	RO84 2 A P	2 pipe clamps 2", stainless steel, with support
26000 0004	W26 P	2 wall mounting angles
26000 0002	W26/30 P	2 wall mounting angles 30°
26000 0003	W26/45 P	2 wall mounting angles 45°



#### Notes:

**Properties, limitations and details for controlling LED-light fittings: See „Technical Supplement“.**

All technical data is relevant at the time of print. Actual technical data can be found in the internet under [www.schuch.de](http://www.schuch.de).