

NEW

ExeLED 2

LED-Light Fitting for Ex-Zones 2/22

Series nD866...

Application:

Hazardous locations of zones 2 (gas) and 22 (dust) as standard illumination or as emergency illumination in combination with external power supply units.

Design:

Housing: Glass fibre reinforced polyester resin.

Cover: Injected polycarbonate, frosted (F) or clear.

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 mm².

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, R_a typisch 80,

Lebensdauer: L₇₀B₁₀ > 100.000h

L₈₀B₅₀ > 100.000h

L₉₀B₅₀ > 50.000h

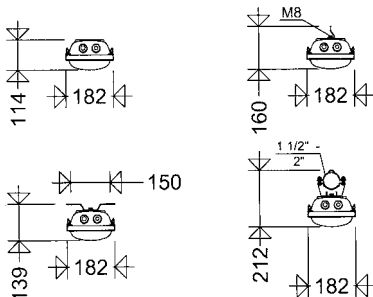
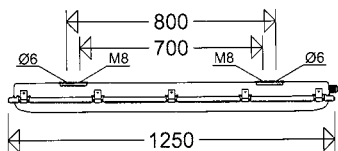
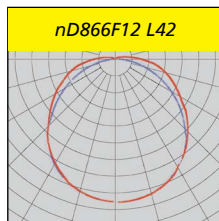
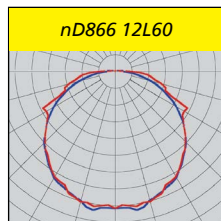
at max. ambient temperature

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

Options:

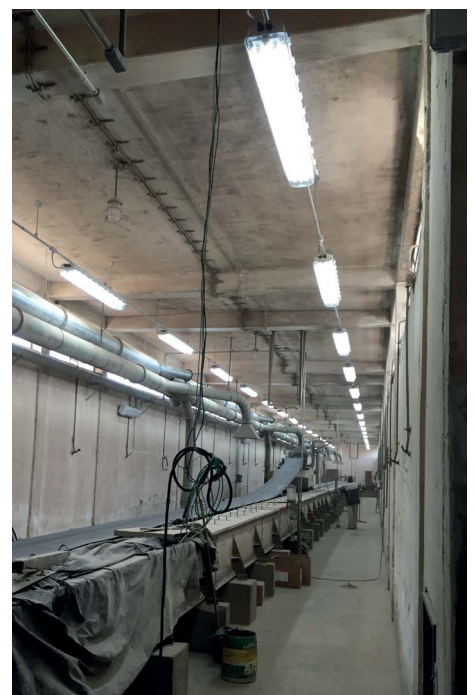
– dimmable via DALI-interface (DIMD)

– with through-wiring 5 x 2,5mm²



SCHUCH Quality - your advantage:

- highest efficiency with luminous efficacy up to 152lm/W
- homogeneous illumination by using frosted diffusers (versions nD866F..) no individual light points visible, comfortable perception of light, brilliant glare limitation
- high colour rendering index CRI typical 80, according to the workplace guide lines suitable for nearly all plant locations
- Reflector and cover in sandwich design to protect the LED-Modules from mechanical or electrostatic damages due to accidental contact.
- Version with higher luminous flux for areas where higher illumination is needed
- external mounting system for variable mounting distances and easy installation (retaining clips HK865 P)
- lower maintenance and downtime costs due to long maintenance intervals
- ECG and reflector with LED-modules replacable by qualified personnel on-site



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.

Subject to technical changes, misprints and errors.

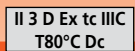
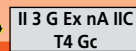
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Article no.	Type	Power consumption [W] *	Luminous flux [lm] *	Luminous efficacy [lm/W] **	Cover frosted	Cover clear	Ta max [°C]	Energy efficiency class	Substitute for **	Weight [kg] (without packing material)
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Note:

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.

nD866...



Ignition protection: nA

Marking:

II 3 G Ex nA 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 bis see article table

optimized for energy consumption

86600 0002	nD866F 12L42	31	4.420	143	•	40	A++	2 x 36W	4,7
86600 0003	nD866F 12L60	46	6.060	132	•	40	A++	2 x 58W	4,7
86600 0012	nD866 12L42	31	4.690	151	•	40	A++	2 x 36W	4,7
86600 0013	nD866 12L60	46	6.430	140	•	40	A++	2 x 58W	4,7

with high luminous flux

86600 0004	nD866F 12L85	61	8.700	143	•	40	A++	> 2 x 58W	4,9
86600 0014	nD866 12L85	61	9.250	152	•	40	A++	> 2 x 58W	4,9

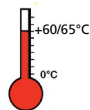
for high temperature ¹⁾

86600 0005	nD866F 12L42 H65	31	4.420	143	•	65	A++	2 x 36W	4,7
86600 0008	nD866F 12L60 H60	46	6.060	132	•	60	A++	2 x 58W	4,7
86600 0015	nD866 12L42 H65	31	4.690	151	•	65	A++	2 x 36W	4,7
86600 0017	nD866 12L60 H60	46	6.430	140	•	60	A++	2 x 58W	4,7

* see notes

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

¹⁾ through-wiring or looping the cable is not permissible.



Explosion protected
Light Fittings

Accessories / Spare Parts

Article No.	Type	
Spare covers		
86601 9001	8654F	PC, frosted
86601 9000	8654	PC, clear
Glands/breather		
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
Mounting material		
86501 9003	HK 865 P	2 retaining clips for variable mounting distances
90001 0002	H8V P	2 hooks 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°

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