

# LED LIGHT FITTINGS SERIES ND866

Zones 2, 22

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## LED LIGHT FITTINGS

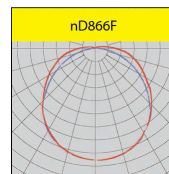
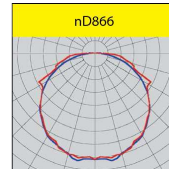
## ZONES 2 (gas) & 22 (dust)

The product series nD866 is the perfect solution for the illumination of hazardous areas zone 2 and 22. Suitable in high ambient temperatures up to +65°C, it excels with its innovative sandwich design of diffuser and reflector to protect the LED modules from mechanical or electrostatic damage, as well as homogeneous illumination and excellent glare limitation with the frosted diffuser (version "F").

High-quality LED modules and electronic control gears guarantee high efficiency and an extremely long service life.



Supplied without mounting brackets.



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 cablelooping instead of the through wiring system.

\* 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.

### ITEM REFERENCES

Designation:	Cover:	Power: (substitute for)	Luminous flux:	Luminous efficacy:	T. Max:	Weight:	Item No.:
Standard versions:							
nD866F 06L22	Frosted	15 W   (2x18W)	2170 lm	145 lm/W	40 °C	3,3 kg	1A340A
nD866F 06L42	Frosted	28 W   (2x36W)	4120 lm	147 lm/W	40 °C	3,4 kg	1A340B
nD866F 06L60	Frosted	40 W   (2x58W)	5700 lm	143 lm/W	40 °C	3,4 kg	1A340C
nD866F 12L42	Frosted	28 W   (2x36W)	4360 lm	156 lm/W	40 °C	5,4 kg	1A3401
nD866F 12L60	Frosted	40 W   (2x58W)	6020 lm	151 lm/W	40 °C	5,4 kg	1A3402
nD866F 12L85	Frosted	54 W   (>2x58W)	8620 lm	160 lm/W	40 °C	5,5 kg	1A3405
nD866 12L42	Clear	28 W   (2x36W)	4590 lm	164 lm/W	40 °C	5,4 kg	1A3403
nD866 12L60	Clear	40 W   (2x58W)	6320 lm	158 lm/W	40 °C	5,4 kg	1A3404
nD866 12L85	Clear	54 W   (>2x58W)	9010 lm	167 lm/W	40 °C	5,5 kg	1A3406
Dimmable via DALI interface:							
nD866F 06L42 DIMD	Frosted	28 W   (2x36W)	4120 lm	147 lm/W	40 °C	3,4 kg	1A3411
nD866F 06L60 DIMD	Frosted	40 W   (2x58W)	5700 lm	143 lm/W	40 °C	3,4 kg	1A3412
nD866F 12L42 DIMD	Frosted	28 W   (2x36W)	4360 lm	156 lm/W	40 °C	5,4 kg	1A3413
nD866F 12L60 DIMD	Frosted	40 W   (2x58W)	6020 lm	151 lm/W	40 °C	5,4 kg	1A3414
nD866F 12L85 DIMD	Frosted	54 W   (>2x58W)	8620 lm	160 lm/W	40 °C	5,5 kg	1A3415
For high temperature (through-wiring or looping the cable is not permissible):							
nD866F 12L42 H65	Frosted	28 W   (2x36W)	4360 lm	156 lm/W	65 °C	5,4 kg	1A3407
nD866F 12L60 H60	Frosted	40 W   (2x58W)	6020 lm	151 lm/W	60 °C	5,4 kg	1A3408
nD866 12L42 H65	Clear	28 W   (2x36W)	4360 lm	156 lm/W	65 °C	5,4 kg	1A3409
nD866 12L60 H60	Clear	40 W   (2x58W)	6020 lm	151 lm/W	60 °C	5,4 kg	1A3410
Recommended version for outdoor lighting (4000K, Ra 70, FHS < 5%)							
nD866F 12L42 740   FHS 2,8%	Frosted	28 W   (2x36W)	4360 lm	156 lm/W	40 °C	5,4 kg	1A3416
nD866 12L60 740   FHS 0,35%	Clear	40 W   (2x58W)	6320 lm	151 lm/W	40 °C	5,4 kg	1A3420
nD866 12L85 740   FHS 1,7%	Clear	54 W   (>2x58W)	9010 lm	160 lm/W	40 °C	5,5 kg	1A3421



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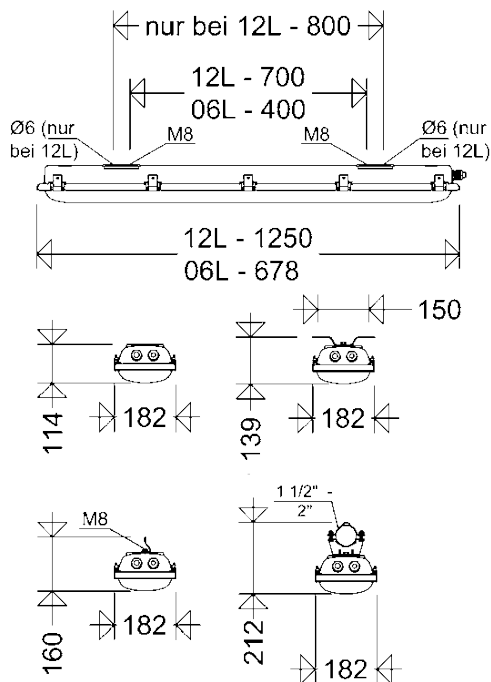
Zones 2, 22

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LIGHTING

## TECHNICAL SPECIFICATIONS

Marking:	 II 3G Ex ec IIC T4 Gc  II 3D Ex tc IIIC T80°C Dc
Certificate:	EU-Type Examination Certificate
Housing:	Glass fibre reinforced polyester resin. Stainless steel clips (KE), two of them as safety clip (KES), to be opened with screwdriver only.
Cover:	Injected polycarbonate, frosted (F) or clear, silicone gasket.
Reflector:	Sheet Steel, painted, carrying the LED-modules and all electrical components, clipped into the cover, suspendable.
Impact protection:	IK 10 (at the temperature of +25°C)
LED:	Line modules 5,000K. CRI > 80   lifetime L80 > 100.000h at max. ambient temperature L <sub>90</sub> > 80.000h (06L..), L <sub>90</sub> > 90.000h (12L..) at 25°C ambient temperature
Operating temperature:	-30°C up to .. see Item table
Operating frequency:	0 or 50/60 Hz
Rated voltage:	220-240V AC/DC. Overvoltage, overload and short circuit protection.
Ingress protection:	IP66
Connection:	3 poles up to 2,5 mm <sup>2</sup>
Mechanical installation:	Standard: Facing downwards or forwards. Direct ceiling mounting is possible. Rubber washers are included. Further mounting options see accessories
Cable entries:	2xM25X1,5 plastic cable glands   1xM25X1,5 plastic plugs



## ACCESSORIES

Designation:	Item No.:
2 suspension brackets, stainless steel	H8V P
2 ceiling brackets, hot galvanized steel	15A P
2 ceiling brackets, stainless steel	15AV P
2 pipe clamps 1 1/2", stainless steel, with support	R084 112 A P
2 pipe clamps 2", stainless steel, with support	R084 2 A P
2 retaining clips for variable mounting distances	HK 865 P
2 wall mounting angles	W26 P
2 wall mounting angles 30°	W26/30 P
2 wall mounting angles 45°	W26/45 P