Explosion-protected LED sheet steel light fitting

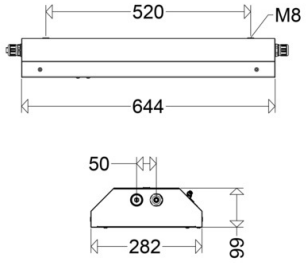
nD822 06L42 DIMD

[Item no. : 82200 0008]



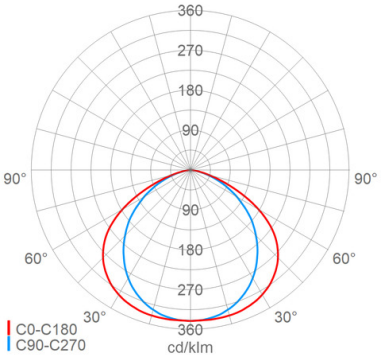
General product benefits

- extremely flat and robust design
- protective cover on the LED modules for protection against mechanical and electrostatic damage
- homogenous illumination due to frosted protective covers on the LED modules for comfortable perception of light and brilliant glare limitation
- high colour rendering index CRI≥80, according to the workplace guidelines suitable for nearly all plant locations
- comfortable central locking system with internal hinges
- optional mounting frames and swivel arm mounting accessories
- LABS-tested according to VDMA 24364-C2-L
- sustainable, interchangeable components



Applications

- hazardous areas zone 2 (gas) and zone 22 (dust)
- particularly clean rooms, paint shops and spray booths
- light fitting is not suitable for use in areas with permanently high humiditiy and short operation time, e.g. sewage plants and rainwater retention basins



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Technical data

General

EAN/GTIN:	4041254436951

Explosion protection

EX-Zone:	2 , 22
EX-marking gas:	II 3 G EX ec IIC T4 Gc
EX-marking dust:	II 3 D Ex tc IIIC T80°C Dc
Primary ignition protection method:	ec
Temperature class:	T4
Surface temperature:	T80°C

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source with control gear replaceable by qualified person
Connected load:	28 W
Luminaire luminous flux:	4110 lm
Luminous efficacy:	147 lm/W
Colour temperature:	5000 K
Colour rendering (CRI):	≥ 80
Light colour:	850
Admissible ambient temperature T_a:	-30 °C to +40 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	C
BEG-eligible (Germany):	Yes

Lighting control

Dimmable:	Yes
Dimming method:	DALI (DIMD)
Dimming range:	5 - 100 %
DALI-addresses per luminaire:	1
DALI-standard:	DT6

Lighting technology

Optical system:	Diffuser
Optical system material:	PMMA
Light distribution:	wide beam
Photobiological safety:	RG1

Service life

Service life LED:	L80B50>100000 h (@ Ta max), L80B50>100000 h (@ Ta 25°C), L90B50>75000 h (@ Ta 25°C)

Electrical connection

Rated voltage:	220 - 240 V, 0 Hz, 50/60 Hz
Terminal clamp:	Cage clamp, 7-polig, 0,75 - 2,5 mm²

Electrical connection

Max. no. with circuit breaker B16:	19
CB B10/B13/B20:	12/16/24
CB C10/C13/C16/C20:	19/25/32/39
Cable entries:	M25 (3x), screw plug (1x), cable gland (2x), Plastic, 8 - 17 mm
In-out wiring (RR):	Yes

Features/Certificates

Protection class:	I
IP rating:	IP65
IK rating:	IK07
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Suspended, Ceiling, Ceiling with angle, Pole with pipe clamp, Rope, Mounting rail, Wall, Wall with angle
Operating position:	downwards radiation, forwards radiation, vertical, horizontal
Mounting:	2-point

Housing

Housing material:	Steel
Varnished:	Yes
Colour:	grey, RAL 7035

Cover

Cover type / material:	Pane (Safety glass)
Cover characteristic:	clear
Closure:	Hinges, Central locking (inside hex 5mm) (Stainless steel (1.4305))

Dimension/Weight

Length:	644.00 mm
Width / Diameter:	282.00 mm
Height:	99.00 mm
Net weight:	7.90 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
18091 0020	EB 82. 06L	
18091 0021	EB 82. 12L	
18092 0001	SWABF 181/182 P	wall and ceiling mounting (1 pair) painted steel swivel arm mounting with 2 M8 screws
18092 0002	SWABF 181/182 E P	wall and ceiling mounting (1 pair) stainless steel 1.4571 swivel arm mounting with 2 M8 screws
82101 9001	ABD 821 06	spare safety glass
82101 9002	ABD 821 12	spare safety glass
90117 9006	2537 G	cable gland M25 with locknut for Ex-Zone 1/21
90119 9001	2539 G	cable gland M25 with blanking plug and locknut for Ex-Zone 1/21
90118 9006	2538 G	screw plug M25 with locknut for Ex-Zone 1/21
90001 0002	H8V P	2 suspension eyes with bolt M8, stainless steel
90000 0002	DS 15A P	ceiling rail (1 pair) galvanised steel with 2 M8 screws
90032 0002	DS 15AV P	ceiling rail (1 pair) stainless steel 1.4571 with 2 M8 screws
26000 0011	WDW P	wall and ceiling mounting (1 pair) painted steel with 2 M8 screws
26000 0005	WDW 45 P	wall and ceiling mounting (1 pair) painted steel 45° with 2 M8 screws
26000 0006	WDW 45 V P	wall and ceiling mounting (1 pair) stainless steel 45° with 2 M8 screws