

Article-No: 5282104

Explosion proof luminaires

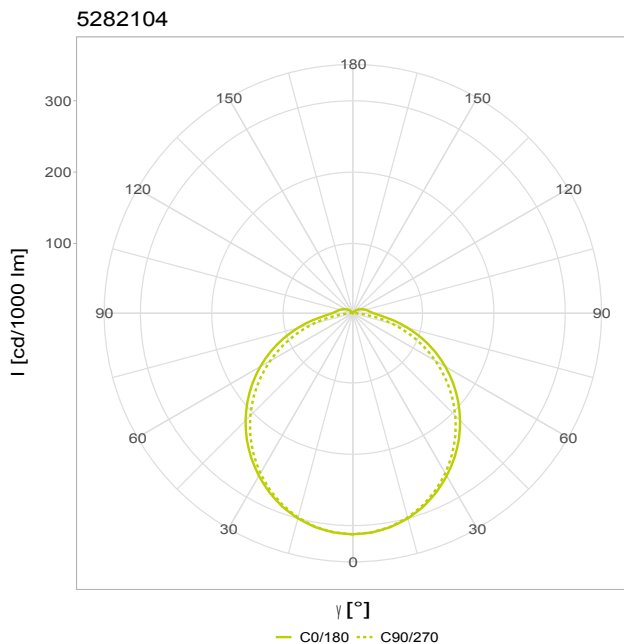


GECKO L 1-21 1.3m PCO 1x28W 120° 3800lm 840 TW5x2,5 class I

Explosion-proof LED diffuser luminaire made of impact-resistant opalized polycarbonate, for zones 1/21 and 2/22. Specially designed for hazardous areas and Ex-certified for zones 1/21 and 2/22, the GECKO is the perfect choice for use in the chemical industry, in refineries, in the oil and gas industry, or for other areas where hazardous explosive atmospheres can occur. This surface-mounted luminaire ensures maximum safety and limits the surface temperature with optimized thermal management and efficient LED technology, thus preventing the ignition of gases and dust. IP66 and IK10 also testify to its high impact resistance, robustness and sealed construction. Made in Germany, the GECKO therefore comes in the usual PRACHT quality, with maximum efficiency and a long service life. Accessories for pendant, ceiling, wall (vertical, horizontal and swivel) and tube mounting are available separately.

GTIN 4018098414100

Statistical product number 94054231



DIMENSIONS AND WEIGHTS

Length	1277 mm
Width	174 mm
Height	102 mm
Net weight	3,20 kg

OUTPUT

Luminous flux	3800 lm
Systempower	28 W
Efficacy	136 lm/W
Energy efficiency class of the light source	D

ASSEMBLY AND MAINTENANCE

Optional mounting type	Pendulum mounting, horizontal Wall, vertical wall
Standard mounting	Ceiling

LIGHT SOURCE

Luminaire type	LED
Number of light sources LED rows lamps	1
Colour temperature	4000 K
Colour rendering index	>80
Number of LEDs	176
Standard Deviation of Colour Matching (SDCM)	3
Control gear exchangeable	yes, by qualified person
Light source exchangeable	yes, by qualified person

LIGHTING ENGINEERING

Light distributor	Diffuser lens/optic/panel
Light distribution angle	120 °
Light distribution	wide beam
Glare limitation UGR 4H 8H C0 C90	21 / 21

CAPACITY

outdoor area	Indoor area, Protected outdoor area*
Rebuildable	true
IK-Impact resistance	IK10
Protection class (IP)	IP66
Use in animal husbandry	with limitation
Vandalism protection	false
Warranty	5 Years
Life expectancy B50 at 25° in hours (h)	
L80/B50 25°C	85000
L70/B50 25°C	>100000
Life expectancy B10 at 25° in hours (h)	
L80/B10 25°C	85000
Life expectancy B50 at 55° in hours (h)	
L80/B50 55°C	58000
L70/B50 55°C	95000
max. lowest temperature	-30 °C
max. highest temperature	55 °C

MATERIAL

Cover material	PCO - Polycarbonate OPAL
Housing material	GRP polyester, PC-OPAL
Housing colour	grey

TECHNICAL DATA

Dimming type	No dim function
Filament test	850 °C
Protection class	class I
Circuit Breaker B10A	15 Luminaires
Circuit Breaker B16A	24 Luminaires
Circuit Breaker C10A	25 Luminaires
Circuit Breaker C16A	40 Luminaires
Voltage spike protection U (L-PE)	2,0 kV
Voltage spike protection U (L-N)	1,0 kV
Through-wiring mm²	5x2,5
D-marking	true
Voltage type acc. ETIM	AC
IFS suitable	According to area of application
Emergency light suitability of the luminaire	No
Rated voltage	220–240V 0/50/60 Hz

PACKAGING

VPE 1	
Unit	Carton
Content quantity	1 Piece
Length	1,40 m
Width	0,19 m
Height	0,12 m
Weight	6,30 kg
VPE 2	
Unit	Pallet
Content quantity	40 Piece
Length	1,40 m
Width	0,19 m
Height	1,35 m
Weight	274,00 kg

FURTHER PRODUCT INFORMATION

REACH-Info	false
REACH-Listdate	2024-01-23
Market labelling	CE
Product labelling	RoHS, WEEE

Accessories (optional)

Article-No:	Designation
EX55001	GECKO L ceiling mounting bracket set V2A
EX55002	GECKO L wall and ceiling mounting bracket set swivelling
EX55003	GECKO L pendulum mounting set ring eye M8
EX55004	GECKO L clamp 1 1/2" incl. screw M8
EX55005	GECKO L pipe clamp 2" incl. screw M8

* Protected outdoor area:
a canopy protects the luminaire of direct solar radiation. It is to be ensured that for mounting beneath the edge, the luminaire does not withstand heavy rainfall. Typically a height difference of 0,5 times the roof overhang compared to the luminaire should not be exceeded.

The right of error and later technical developments is reserved. 15.08.2024

Values may be extrapolated differently from TM21.

