

Article-No: 5880234

Diffuser luminaires

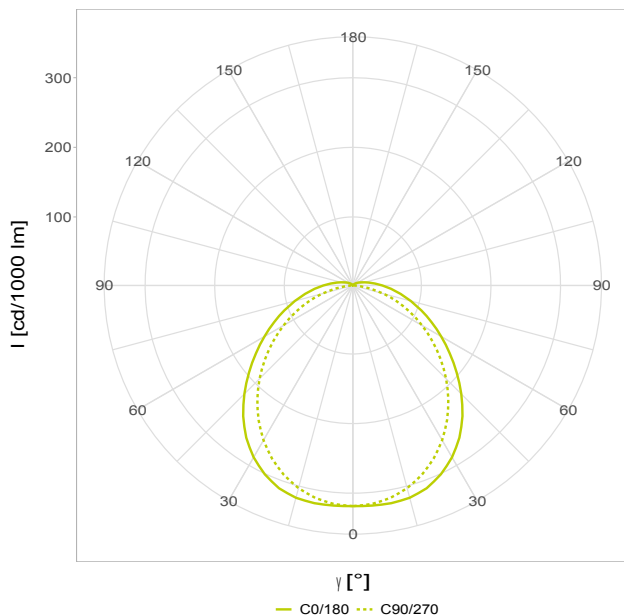


## BL ONE 1.2m PCO 1x33/39/45/52W 115° 5400/7000/7900/8400lm 840 TW5x2,5 class I

The new generation LUNA BL ONE sets a new standard for damp-proof luminaires with its innovative design and extensive range of functions. Made from 98% recycled material, it is not only environmentally friendly, but also extremely robust and durable. This luminaire offers a wide range of functions that make it suitable for various applications. From simple on/off switching to complex control via the DALI protocol, the LUNA BL ONE is extremely versatile. Thanks to optional integrated sensors, the lighting automatically adapts to the ambient conditions, which not only increases comfort but also saves energy. The multi-lumen technology makes it possible to adjust the light intensity as required, from soft backlighting to a bright working light. With its modern design and high functionality, the new generation LUNA BL ONE is the ideal solution for damp rooms in various application areas such as industry, commerce and public facilities.

GTIN 4018098441465  
Statistical product number 94054231

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## DIMENSIONS AND WEIGHTS

Length	1200 mm
Width	90 mm
Height	80 mm
Net weight	1,90 kg

## OUTPUT

Luminous flux	8400 lm
Systempower	52 W
Efficacy	162 lm/W
Energy efficiency class of the light source	B

## ASSEMBLY AND MAINTENANCE

Optional mounting type	Pendulum mounting, mounting rail, horizontal 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	360
Standard Deviation of Colour Matching (SDCM)	5
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	115 °
Light distribution	wide beam
Glare limitation UGR 4H 8H C0 C90	28 / 26

## CAPACITY

outdoor area	Protected outdoor area*
Rebuildable	false
IK-Impact resistance	IK08
Protection class (IP)	IP65
Use in animal husbandry	not suitable
Vandalism protection	false
Warranty	5 Years
Life expectancy B50 at 25° in hours (h)	
L90/B50 25°C	51875
L80/B50 25°C	>100000
L70/B50 25°C	>100000
Life expectancy B10 at 25° in hours (h)	
L80/B10 25°C	>100000
L70/B10 25°C	>100000
Life expectancy B50 at 35° in hours (h)	
L90/B50 35°C	51875
L80/B50 35°C	>100000
L70/B50 35°C	>100000
max. lowest temperature	-20 °C
max. highest temperature	35 °C

## MATERIAL

Cover material	PCOr - Polycarbonate OPAL Recyclate
Housing material	PCr
Housing colour	white

## TECHNICAL DATA

Dimming type	No dim function
Filament test	850 °C
Protection class	class I
Circuit Breaker B10A	13 Luminaires
Circuit Breaker B16A	21 Luminaires
Circuit Breaker C10A	22 Luminaires
Circuit Breaker C16A	35 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/DC
IFS suitable	According to area of application
Emergency light suitability of the luminaire	Yes
Rated voltage	220–240V 0/50/60 Hz

## PACKAGING

VPE 1	
Unit	Carton
Content quantity	1 Piece
Length	1,21 m
Width	0,09 m
Height	0,08 m
Weight	2,08 kg
VPE 2	
Unit	Pallet
Content quantity	96 Piece
Length	1,21 m
Width	0,80 m
Height	1,10 m
Weight	199,20 kg

## FURTHER PRODUCT INFORMATION

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

\* 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.

