

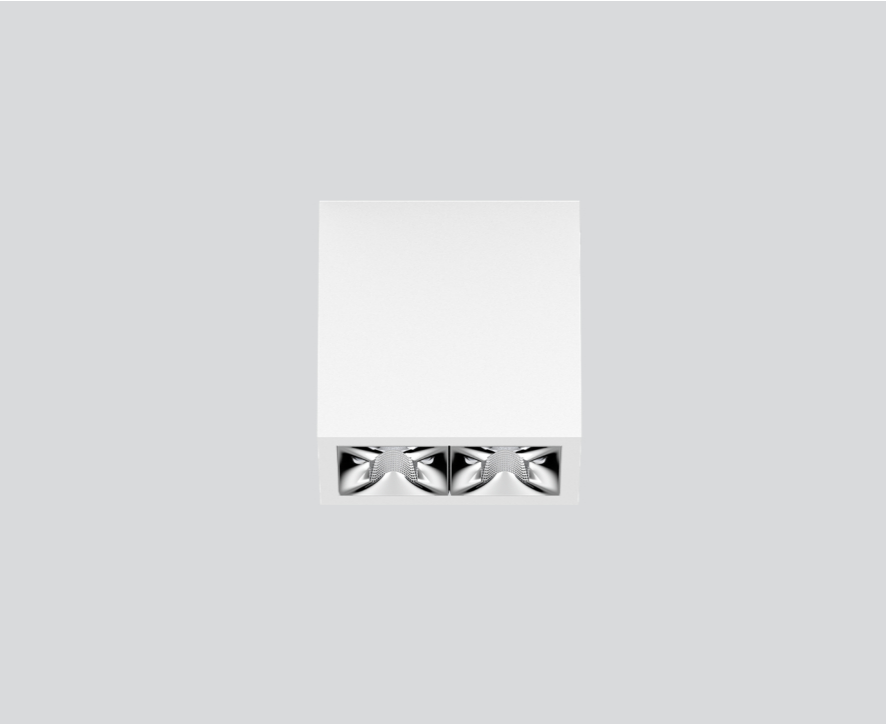
# UNICO L2 basic

ceiling

090-1L241BW001



Project / Type
Notes
Count / Date



## General

Ceiling , Surface
white , RAL 9016 <sup>1</sup>
Reflector chrome
IP20
899 lm

## LED

2700 K
CRI $\geq$ 90
L90 / 50000 h
initial MacAdam $\leq$ 3 SDCM
R <sub>g</sub> : 101 , R <sub>f</sub> : 91 , R <sub>t(1-15)</sub> : 89
MR 0.56
MDER 0.51

## Optical

medium round
beam angle 33°
UGR < 10
PstLM $\leq$ 1.0 <sup>2</sup>
SVM $\leq$ 0.4 <sup>2</sup>

Rectangular surface mounted multi-downlight made of aluminium; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface white powder coated; equipped with two medium round light elements; symmetrical light distribution with precise radiation characteristic; beam angle 33°; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector chrome; UGR  $\leq$  10; passive cooling of the LEDs through improved heat sink geometry; light colour 2700 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; min. 90% of luminous flux after 50000 operating hours; energy-efficient high power LEDs with very good colour rendering; degree of protection IP20; PC1; 220-240 V; incl. converter; non dimmable; light source not replaceable; control gear replaceable by an authorized professional; blank-free;

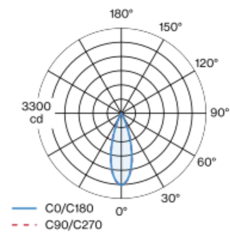
## Electrical

non DIM
220-240 V
system 12.6 W
system 71 lm/W <sup>3</sup>
PC1

## Physical

length 88 mm
width 51 mm
height 90 mm
0.35 kg

## Light distribution



## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## Installation instructions



## Lighting calculator



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### Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.95	0.95	0.94	0.93
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

### Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	48
B13	62
B16	76
B20	95
C10	81
C13	104
C16	129
C20	162

