

# UNICO wall 4 lamps

surface

090-0L453TB001



Project / Type

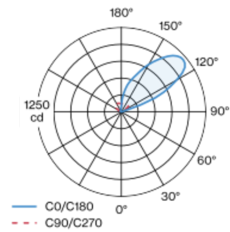
Notes

Count / Date

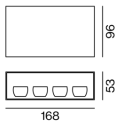


Rectangular wall surface mounted multi-uplight made of aluminium; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface black powder coated; equipped with four light insets; high quality reflector with micro-faceted, aluminum-vaporised surface; homogeneous wall or ceiling illumination through uniform light distribution; passive cooling of the LEDs through improved heat sink geometry; light colour 3000 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; suitable for through wiring; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## General

Wall | Surface

black | RAL 9005<sup>1</sup>

IP20

1310 lm

## LED

3000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 100 | R<sub>f</sub>: 92 | R<sub>f(1-5)</sub>: 91

MR 0.64 | MDER 0.58

## Optical

asymmetric

P<sub>stLM</sub>  $\leq 1.0$ <sup>2</sup> | SVM  $\leq 0.4$ <sup>2</sup>

## Electrical

DALI-2

PC1 | 220-240 V

system 29.8 W

system 44 lm/W<sup>3</sup>

## Physical

length 168 mm | width 53 mm | height 96 mm

0.85 kg

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

## Installation instructions



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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

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Factor

<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

