

UNICO Q4basic

ceiling
090-1Q443EWB01



Project / Type

Notes

Count / Date



General

Ceiling , Surface

white , RAL 9016 ¹

Reflector black

IP20

1470 lm

LED

2700 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 101 , R_f: 91 , R_{f(1-15)}: 89

MR 0.56

MDER 0.51

Optical

medium square

beam angle 32°

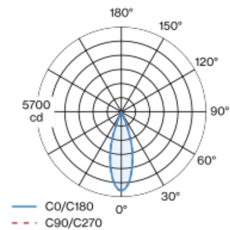
UGR ≤ 10

PstLM ≤ 1.0 ²

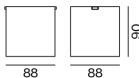
SVM ≤ 0.4 ²

Square 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 four medium square light elements; symmetrical light distribution with precise radiation characteristic, beam angle 32°; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector black; UGR ≤ 10; passive cooling of the LEDs through improved heat sink geometry; light colour 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

Light distribution



Product drawing



Electrical

DALI-2

220-240 V

system 19.3 W

system 76 lm/W³

PC1

Physical

length 88 mm

width 88 mm

height 90 mm

0.5 kg

¹ RAL code ² Value of containing product at full load (undimmed)
³ 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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

^a 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	45
B13	59
B16	72
B20	90
C10	77
C13	100
C16	122
C20	153

