

UNICO L4 basic

ceiling

090-1L461EBB01



Project / Type

Notes

Count / Date



General

Ceiling , Surface

black , RAL 9005 ¹

Reflector black

IP20

1680 lm

LED

4000 K

CRI \geq 90

L90 / 50000 h

initial MacAdam \leq 3 SDCM

R_g: 102 , R_f: 93 , R_{f(-15)}: 92

MR 0.81

MDER 0.74

Optical

medium square

beam angle 32°

UGR < 10

PstLM \leq 1.0 ²

SVM \leq 0.4 ²

Electrical

non DIM

220-240 V

system 19.3 W

system 87 lm/W³

PC1

Physical

length 164 mm

width 51 mm

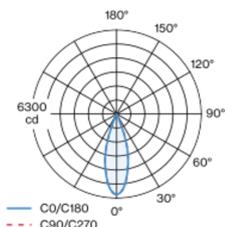
height 90 mm

0.55 kg

¹ RAL code ² Value of containing product at full load (undimmed)

³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Light distribution



Product drawing



UNICO L4 basic

ceiling

090-1L461EBB01



Project / Type

Notes

Count / Date

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	42
B16	68
B20	85
C10	57
C16	91
C20	114