

UNICO L4basic

ceiling

090-1L461CWB01



Project / Type	
Notes	
Count / Date	



General

Ceiling , Surface	
white , RAL 9016 ¹	
Reflector black	
IP20	
1970 lm	

LED

4000 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R _g : 102 , R _f : 93 , R _{f(1-5)} : 92	
MR 0.81	
MDER 0.74	

Optical

flood round	
beam angle 49°	
UGR < 19	
PstLM ≤ 1.0 ²	
SVM ≤ 0.4 ²	

Electrical

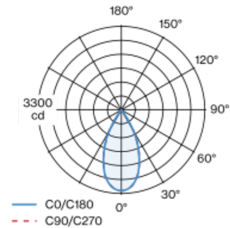
non DIM	
220-240 V	
system 19.3 W	
system 102 lm/W ³	
PC1	

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



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	42
B16	68
B20	85
C10	57
C16	91
C20	114

