

# UNICO L4basic

ceiling

090-1L463CGB01



Project / Type	
Notes	
Count / Date	



### General

Ceiling , Surface	
grey , RAL 9006 <sup>1</sup>	
Reflector black	
IP20	
1970 lm	

### LED

4000 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R <sub>g</sub> : 102 , R <sub>f</sub> : 93 , R <sub>f(15)</sub> : 92	
MR 0.81	
MDER 0.74	

### Optical

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

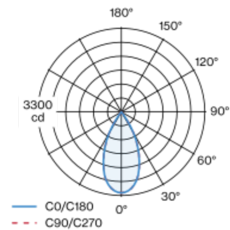
### Electrical

DALI-2	
220-240 V	
system 19.3 W	
system 102 lm/W <sup>3</sup>	
PC1	

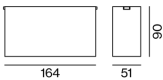
### Physical

length 164 mm	
width 51 mm	
height 90 mm	
0.55 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	45
B13	59
B16	72
B20	90
C10	77
C13	100
C16	122
C20	153

