



Project / Type
Notes
Count / Date



General

Ceiling , Suspended
chrome
Reflector chrome
IP20
indirect 3050 lm
direct 2970 lm
total 6020 lm

LED

3000 K
CRI ≥ 90
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
$R_g: 99, R_r: 91, R_{(1-15)}: 89$
MR 0.61
MDER 0.55

Optical

Reflector
symmetric
UGR $< 13, \geq 65^\circ < 1500 \text{ cd/m}^2$
$P_{stLM} \leq 1.0^1$
$SVM \leq 0.4^1$

Electrical

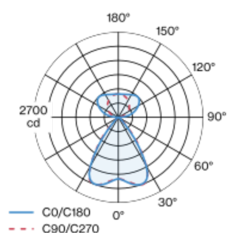
DALI-2 D/I separately controllable
220-240 V
system 53 W
system 114 lm/W ²
PC1
1 DALI Addr.

Physical

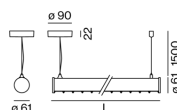
length 1863 mm
width 60 mm
height 60 mm
2.98 kg

¹ Value of containing product at full load (undimmed)
² 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	0.98	0.96	0.94	0.92	0.9
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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	32