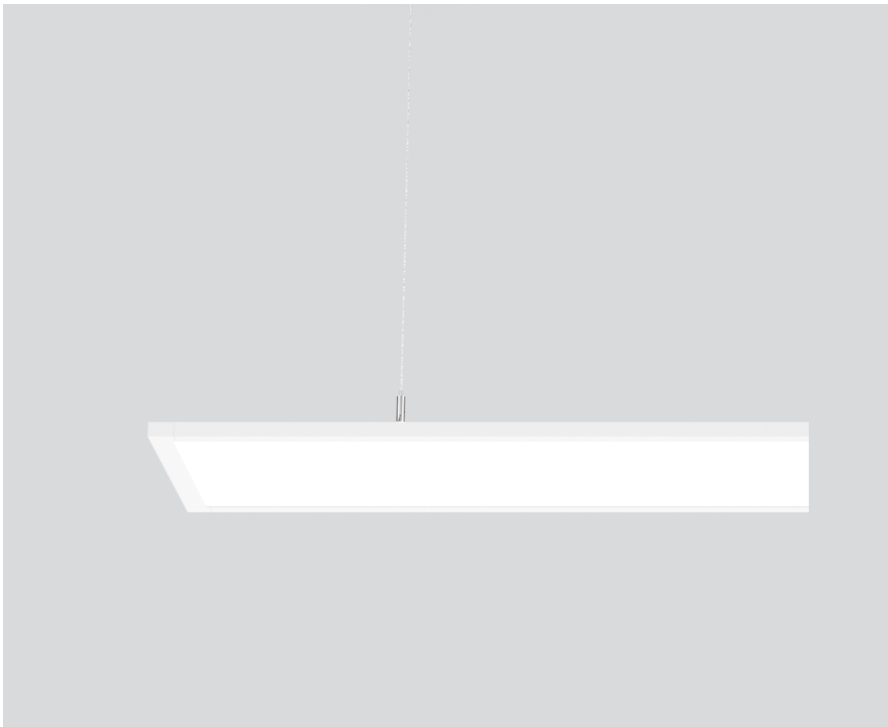




Project / Type

Notes

Count / Date



General

Ceiling , Suspended

white , RAL9010 ¹

IP20

indirect 3150 lm

direct 4150 lm

total 7300 lm

LED

3000 K

CRI ≥ 80

L80 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

Optical

Microprismatic

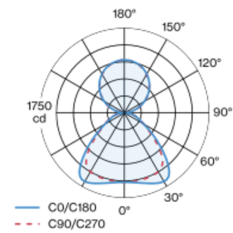
UGR < 19 , ≥65° <3000 cd/m²

PstLM ≤ 1.0 ²

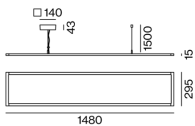
SVM ≤ 0.4 ²

Rectangular luminaire housing in aluminium; angular design; flat design; surface white powder coated; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; direct/indirect light distribution; side coupled light, directed up and down; light control via a specially made indirect diffuser; microprismatic PMMA cover; homogeneous illumination; same light density for all surface lights with the same components; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP20; PC2 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Electrical

DALI-2

64 W

PC2 220-240V

114 lm/W

1 DALI Addr.

Physical

cable 1500 mm

length 1480 mm

width 295 mm

height 15 mm

4.5 kg

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

Installation instructions



Lighting calculator





Project / Type

Notes

Count / Date

Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.97	0.93	0.89	0.86	0.82
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	27
B16	45
B20	56
C10	46
C16	75
C20	92