

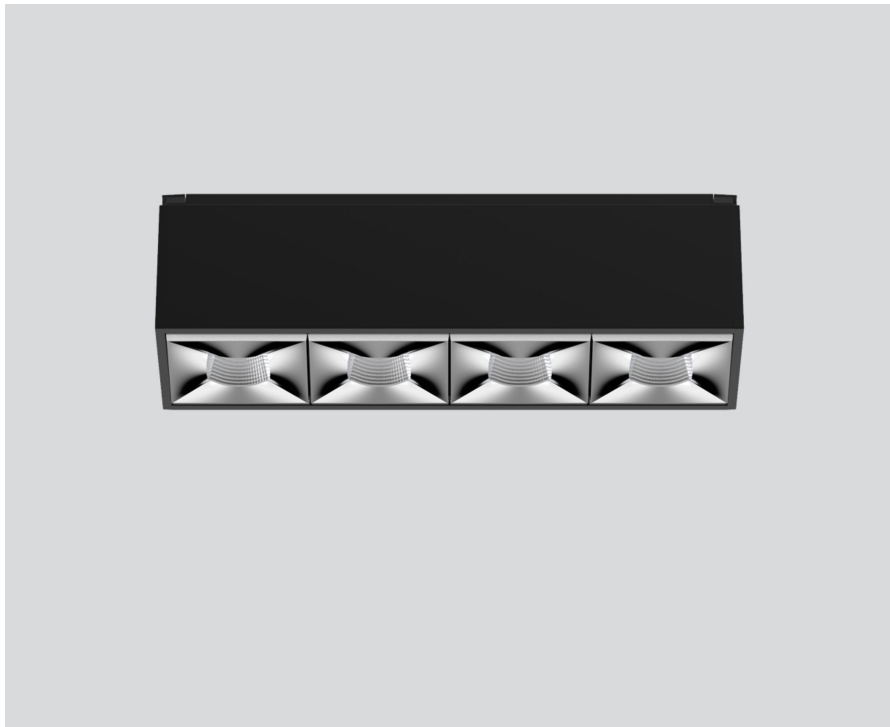
L4

MOVE IT 45

090-9L463EB001



Project / Type	
Notes	
Count / Date	



General

Ceiling Track	
jet black RAL 9005	
Reflector chrome	
IP20	
1230 lm	
optical inset 107 lm/W ¹	

LED

4000 K	
CRI ≥ 90	
L80 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R _g : 102 R _f : 93 R _{f(1-15)} : 92	
MR 0.81 MDER 0.74	

Optical

medium square beam angle 33°	
UGR ≤ 10 ≥65° <1500 cd/m²	
PstLM ≤ 1.0 ² SVM ≤ 0.4 ²	

Electrical

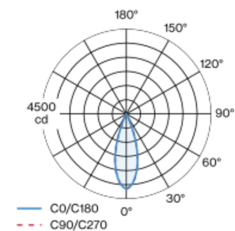
DALI-2 1 DALI Addr.	
PC3 48 V	
fixture 13.6 W	
optical inset 11.5 W	

Physical

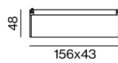
length 156 mm width 43 mm height 48 mm	
0.4 kg	

Linear light inset made of aluminium; surface anodised jet black; light inset can be installed and moved without tools by means of magnetic holders+locking; flush with profile system; power supplied via MOVE IT system track profile; hot plug protection; equipped with four medium square light elements; symmetrical light distribution with precise radiation characteristic, beam angle 33°; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector chrome; UGR ≤ 10; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m²; passive cooling of the LEDs through improved heat sink geometry; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy-efficient high power LEDs with very good colour rendering; degree of protection IP20; PC3; 48 V; DALI single control; flicker-free visual comfort through analogue current control (minimum value 1%); light source not replaceable; suitable for MOVE IT 45 set (4 insets for SMALL, 6 for MEDIUM and LARGE, 8 for X-LARGE);

Light distribution



Product drawing



¹ incl. consideration of optical losses

² Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator





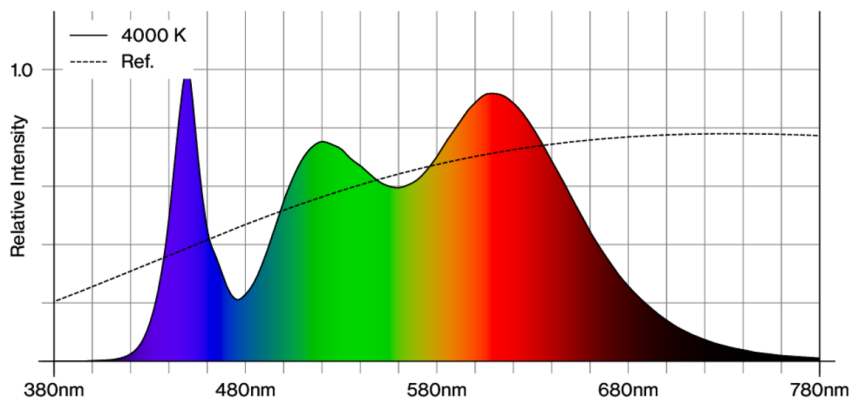
Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.94	0.91	0.89	0.87	0.84
LSF	1	1	1	1	1

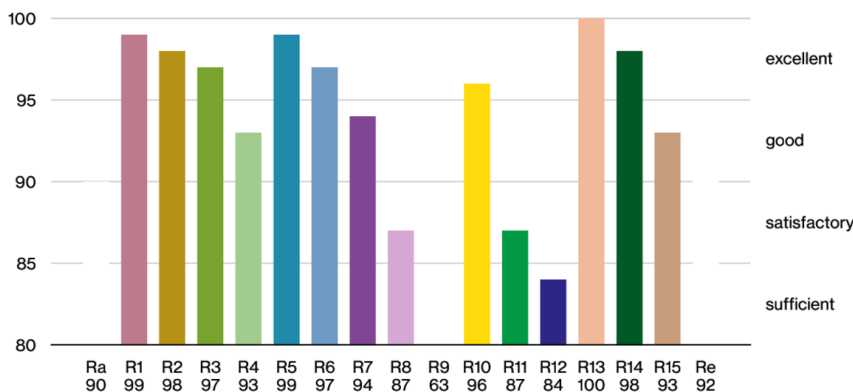
MF	LMF × RSMF × LLMF × LSF	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

^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.

Colour rendering



CRI/R_a ≥ 95 R_e ≥ 92 (4000 K)



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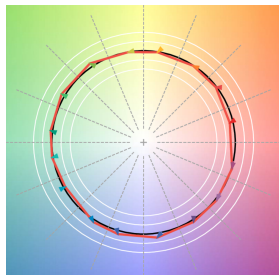
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TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.