

L4

MOVE IT 45

090-9L453EBB01



| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



General

| |
|-------------------------------------|
| Ceiling , Track |
| black , RAL 9005 ¹ |
| Reflector black |
| IP20 |
| 1160 lm |
| optical inset 101 lm/W ² |

LED

| |
|--|
| 3000 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| R _g : 100 , R _f : 92 , R _{f(1-15)} : 91 |
| MR 0.64 |
| MDER 0.58 |

Optical

| |
|---|
| medium square |
| beam angle 33° |
| UGR ≤ 10 , ≥ 65° < 1500 cd/m ² |
| PstLM ≤ 1.0 ³ |
| SVM ≤ 0.4 ³ |

Linear light inset made of aluminium; surface anodised 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 black; 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 3000 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);

Electrical

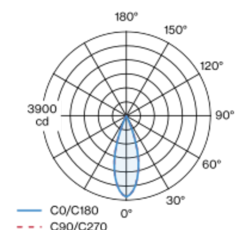
| |
|----------------------|
| DALI-2 |
| 48 V |
| fixture 13.6 W |
| optical inset 11.5 W |
| PC3 |
| 1 DALI Addr. |

Physical

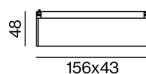
| |
|---------------|
| length 156 mm |
| width 43 mm |
| height 48 mm |
| 0.4 kg |

¹ RAL code
² OPTICAL INSET: incl. consideration of optical losses
³ Value of containing product at full load (undimmed)

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 | 0.94 | 0.91 | 0.89 | 0.87 | 0.84 |
| LSF | 1 | 1 | 1 | 1 | 1 |

MF

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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.