

VELA 300 direct / indirect soft

surface
073-1138D3GK



Project / Type

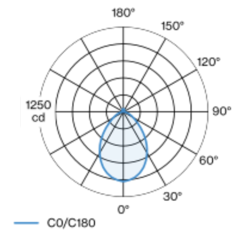
Notes

Count / Date

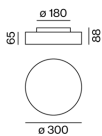


Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface white aluminium powder coated; highly reflective coating for improved efficiency; suitable for wall or ceiling mounting; convenient quick mounting system without tools; microprismatic PMMA cover; completely homogeneous illumination; direct / indirect radiation characteristic for additional accentuation of the ceiling; light colour tunable white; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; luminaire with 2 cable openings and plug-in terminal for through wiring; degree of protection IP40; PC1; 220-240 V; internal wiring in light halogen free; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Ceiling / Wall | Surface
white aluminium | RAL 9006 ¹
IP40
indirect 104 lm | direct 1830 lm
total 1930 lm

LED

tunable white | 2700 K - 6500 K
CRI ≥ 80
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
MR 0.48 | MDER 0.44

Optical

Microprismatic | microprismatic
PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 DT8 | 1 DALI Addr.
PC1 | 220-240 V
system 17.3 W
system 112 lm/W ³

Physical

diameter 300 mm | height 88 mm
1.6 kg

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions



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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

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 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.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 24 |
| B13 | 31 |
| B16 | 38 |
| B20 | 48 |
| C10 | 40 |
| C13 | 56 |
| C16 | 64 |
| C20 | 80 |

