

VELA 450 direct / indirect power

suspended
073-124563XO



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Suspended _____
special colours _____
IP40 _____
indirect 1270 lm _____
direct 3250 lm _____
total 4520 lm _____

LED

4000 K _____
CRI ≥ 80 _____
L90 / 50000 h _____
initial MacAdam ≤ 3 SDCM _____
MR 0.72 _____
MDER 0.66 _____

Optical

Opal _____
opal (lambertsch) _____
PstLM ≤ 1.0 ¹ _____
SVM ≤ 0.4 ¹ _____

Electrical

DALI-2 _____
220-240 V _____
system 35 W _____
system 129 lm/W² _____
PC1 _____
1 DALI Addr. _____

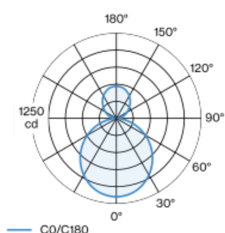
Physical

cable 1500 mm _____
diameter 450 mm _____
height 87 mm _____
3.8 kg _____

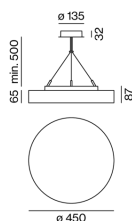
¹ Value of containing product at full load (undimmed)
² FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface special colours powder coated; highly reflective coating for improved efficiency; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); completely homogeneously illuminated, satinised PMMA cover; direct / indirect radiation characteristic for additional accentuation of the ceiling; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% 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 IP40; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

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	0.91	0.9
LSF	1	1	1	1	1

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36