

VELA 450 direct / indirect power

suspended
073-144553XO



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Suspended _____

special colours _____

IP40 _____

indirect 1200 lm _____

direct 3060 lm _____

total 4260 lm _____

LED

3000 K _____

CRI ≥ 80 _____

L90 / 50000 h _____

initial MacAdam ≤ 3 SDCM _____

MR 0.54 _____

MDER 0.49 _____

Optical

Opal _____

opal (lambertsch) _____

PstLM ≤ 1.0 ¹ _____

SVM ≤ 0.4 ¹ _____

Electrical

DALI-2 _____

220-240 V _____

system 35 W _____

system 122 lm/W² _____

PC1 _____

1 DALI Addr. _____

Physical

rod 1000 mm _____

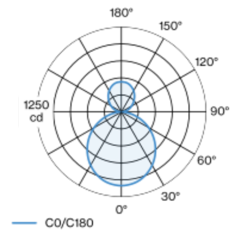
diameter 450 mm _____

height 87 mm _____

4.1 kg _____

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

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		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.

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

