

VELA 450

direct / indirect

soft

surface

073-114753XO



Project / Type

Notes

Count / Date



IP 40

220-240V

X-PERT

X-PERT

General
Ceiling / Wall , Surface
special colours
IP40
indirect 79 lm
direct 2020 lm
total 2100 lm

LED
3000 K
CRI ≥ 80
L90 / 50000 h
photobio. safety RG 0 - no Risk
initial MacAdam ≤ 3 SDCM
MR 0.54
MDER 0.49

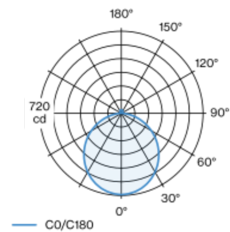
Optical
Opal
PstLM ≤ 1.0 <sup>1</sup>
SVM ≤ 0.4 <sup>1</sup>

Electrical
DALI-2
16.7 W
PC1 220-240V
126 lm/W
1 DALI Addr.

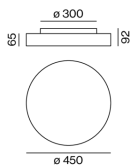
Physical
diameter 450 mm
height 92 mm
3.8 kg

<sup>1</sup> Value of containing product at full load (undimmed)

Light distribution



Product drawing



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	0.91	0.9
LSF	1	1	1	1	1

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

<sup>a</sup> 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	21
B13	28
B16	35
B20	44
C10	35
C13	46
C16	58
C20	73

