

LED CONVERSION MODULE VELA / MENO / COMBO 350

007-INRD0350163 006-CORD035010



Project / Type _____

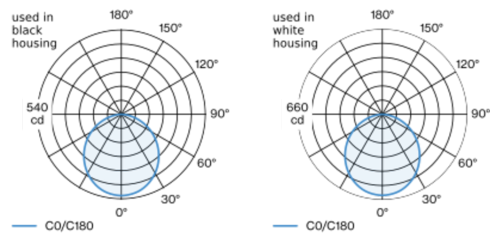
Notes _____

Count / Date _____

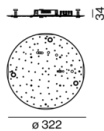


LED conversion module; suitable for VELA round / MENO round / COMBO round; highly reflective coating for improved efficiency; attached in the luminaire housing by means of magnets; completely homogeneously illuminated, satinised PMMA cover; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; plug-in terminals for through wiring; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Luminaire / Track | Mounted _____

white _____

IP20 _____

1470¹·1770² lm _____

LED

4000 K _____

CRI ≥ 80 _____

L90 / 50000 h _____

initial MacAdam ≤ 3 SDCM _____

MR 0.72 | MDER 0.65 _____

Optical

Opal _____

PstLM $\leq 1.0^2$ ^{1 3} | SVM $\leq 0.4^2$ ^{1 3} _____

Electrical

DALI-2 | 1 DALI Addr. _____

PC1 | 220-240 V _____

system 16.6 W _____

system 89¹·107² lm/W ⁴ _____

Physical

diameter 322 mm | height 88 mm _____

1.02 kg _____

¹ used in black housing ² used in white housing
³ Value of containing product at full load (undimmed)
⁴ 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	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	31
B13	40
B16	50
B20	62
C10	52
C13	67
C16	85
C20	104

Components

OPAL COVER 350

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