

LED CONVERSION MODULE VELA / MENO / COMBO 950

007-INRD0950151 006-CORD09501P



Project / Type _____

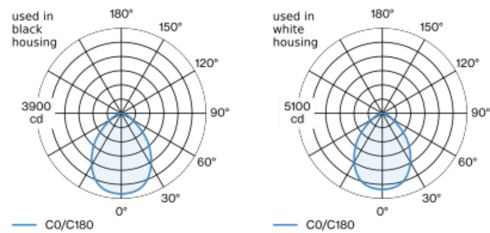
Notes _____

Count / Date _____

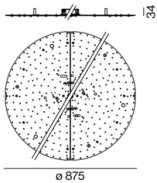


LED conversion module; suitable for VELA round / MENO round / COMBO round; highly reflective coating for improved efficiency; microprismatic PMMA cover; completely homogeneous illumination; $UGR \leq 19$; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 3000 \text{ cd/m}^2$; light colour 3000 K; binning initial MacAdam $\leq 3 \text{ SDCM}$; 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. converter, non dimmable; 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 _____

7010¹-8660² lm _____

LED

3000 K _____

CRI ≥ 80 _____

L90 / 50000 h _____

initial MacAdam $\leq 3 \text{ SDCM}$ _____

MR 0.56 | MDER 0.51 _____

Optical

Microprismatic _____

$UGR \leq 19$ | $\geq 65^\circ < 3000 \text{ cd/m}^2$ _____

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

Electrical

non DIM _____

PC1 | 220-240 V _____

system 77 W _____

system 91¹-112² lm/W⁴ _____

Physical

diameter 875 mm | height 92 mm _____

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	5
B13	7
B16	8
B20	10
C10	9
C13	11
C16	14
C20	17

Components

MICROPRISMATIC COVER 950

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