

# LED CONVERSION MODULE VELA / MENO / COMBO 950

007-INRD0950161 006-CORD09501P



Project / Type

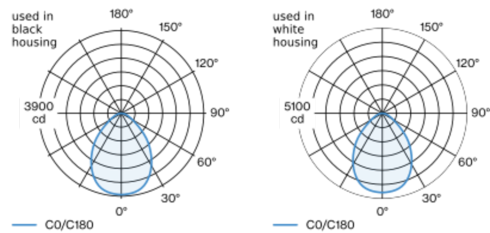
Notes

Count / Date

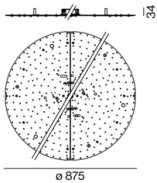


LED conversion module; suitable for VELA round / MENO round / COMBO round; highly reflective coating for improved efficiency; microprismatic PMMA cover; completely homogeneous illumination;  $UGR \leq 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 3000 \text{ cd/m}^2$ ; light colour 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; 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

7290<sup>1</sup>·9010<sup>2</sup> lm

## LED

4000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.72 | MDER 0.65

## Optical

Microprismatic

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

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

## Electrical

non DIM

PC1 | 220-240 V

system 77 W

system 95<sup>1</sup>·117<sup>2</sup> lm/W <sup>4</sup>

## Physical

diameter 875 mm | height 92 mm

<sup>1</sup> used in black housing <sup>2</sup> used in white housing  
<sup>3</sup> Value of containing product at full load (undimmed)  
<sup>4</sup> 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 <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

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

## Components

### MICROPRISMATIC COVER 950

ARTICLE NUMBER(S)  
006-CORD09501P

