

# LED CONVERSION MODULE COMBO 170

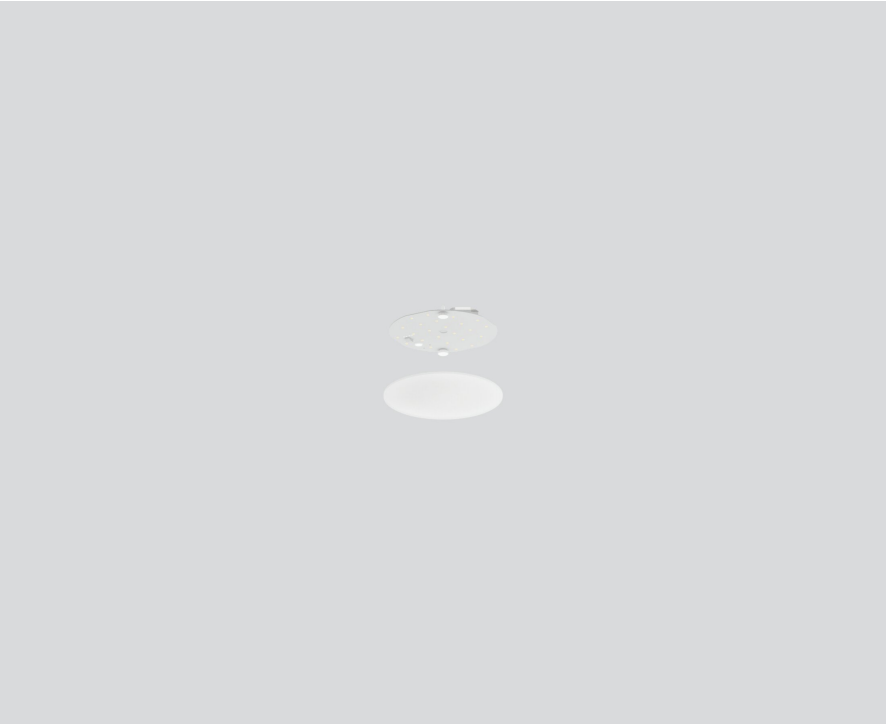
007-INRD0170153 006-CORD01702P



Project / Type

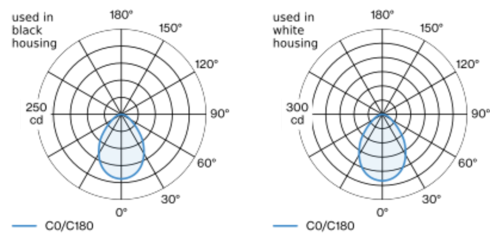
Notes

Count / Date



LED conversion module; suitable for COMBO round; highly reflective coating for improved efficiency; attached in the luminaire housing by means of magnets; microprismatic PMMA cover; completely homogeneous illumination; light colour 3000 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. 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

343<sup>1</sup>-424<sup>2</sup> lm

## LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.56 | MDER 0.51

## Optical

Microprismatic

PstLM  $\leq 1.0$ <sup>2</sup> 1<sup>3</sup> | SVM  $\leq 0.4$ <sup>2</sup> 1<sup>3</sup>

$\geq 65^\circ$  <3000 cd/m<sup>2</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 5.4 W

system 64<sup>1</sup>-79<sup>2</sup> lm/W<sup>4</sup>

## Physical

diameter 157 mm | height 88 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	31
B13	48
B16	60
B20	62
B25	78
C10	52
C13	81
C16	85
C20	104
C25	130

### Components

#### MICROPRISMATIC COVER 170

ARTICLE NUMBER(S)  
006-CORD01702P

