

# MILA reflector

ceiling system

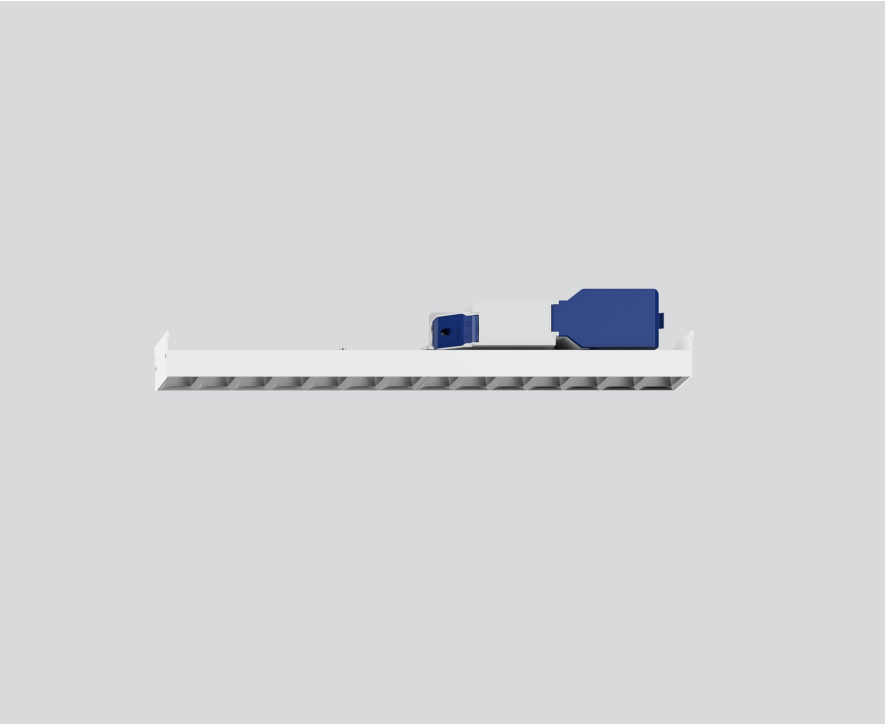
045-9121037B



Project / Type

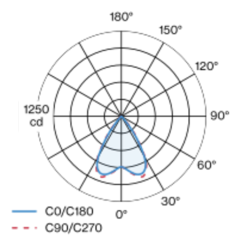
Notes

Count / Date

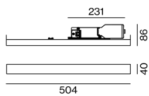


Luminaire housing made of extruded aluminium profile; angular design; for continuous lighting systems; light-tight end caps in aluminium; surface traffic white powder coated; suitable for installation in the HAUFÉ louvre ceiling system; extruded profile for improved thermal management; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high gloss reflector with faceted design; Reflector dark chrome; UGR  $\leq 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500$  cd/m<sup>2</sup>; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; converter flexible positionable on the luminaire profile; converter suitable for through-wiring; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## General

Ceiling | Recessed

traffic white | RAL 9016

Reflector dark chrome

IP20

1160 lm

2320 lm/m

## LED

3000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 91 | R<sub>(1-15)</sub>: 89

MR 0.61 | MDER 0.55

## Optical

Reflector | symmetric

UGR  $\leq 19$  |  $\geq 65^\circ < 1500$  cd/m<sup>2</sup>

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

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 13.4 W

system 87 lm/W <sup>2</sup>

27 W/m

## Physical

length 504 mm | width 40 mm | height 86 mm

<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Installation instructions



## Lighting calculator



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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	37
B16	60
C10	37
C16	60

## Electrical accessories

### ESSENTIAL SENSOR

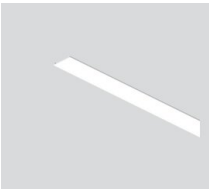
TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
brightness & presence	traffic white	90-47-55	045-9096017
brightness & presence	jet black	90-47-55	045-9096018



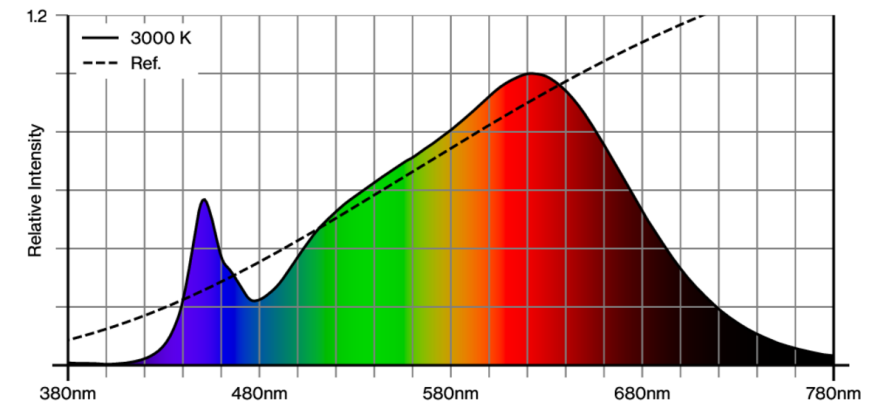
## Optical accessories

### CONTINUOUS LINEAR COVER

ARTICLE NUMBER(S)
006-2206010H
006-2206010Z
006-2225010H
006-2225010Z



## Colour rendering



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## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.