

MILA opal

ceiling system

045-9022138 006-4207510H



Project / Type

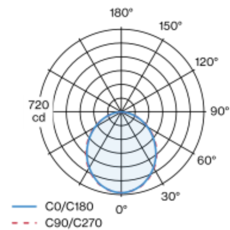
Notes

Count / Date



Luminaire housing made of extruded aluminium profile; angular design; for continuous lighting systems; light-tight end caps in aluminium (available as an accessory); surface black powder coated; suitable for installation in the HAUFÉ louvre ceiling system; extruded profile for improved thermal management; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; 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

black | RAL 9005 ¹

IP20

1840 lm

2450 lm/m

LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 92 | R_{t(1-15)}: 90

MR 0.81 | MDER 0.74

Optical

High Performance Opal | opal (lambertsch)

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2

PC2 | 220-240 V

system 16.9 W

system 109 lm/W ³

23 W/m

Physical

length 750 mm | width 38 mm | height 77 mm

¹ RAL code ² Value of containing product at full load (undimmed)
³ 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 ^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 | 18 |
| B16 | 30 |
| C10 | 23 |
| C16 | 36 |

Components

LINEAR COVER

| |
|-------------------|
| ARTICLE NUMBER(S) |
| 006-4207510H |

Mounting accessories

END CAPS

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------|---------------|------------|-------------------|
| 1 pair | traffic white | 40-2-25 | 045-9090017 |
| 1 pair | jet black | 40-2-25 | 045-9090018 |



Mounting accessories

MECHANICAL LINEAR CONNECTOR

| |
|-------------------|
| ARTICLE NUMBER(S) |
| 045-9091010 |



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 |



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Optical accessories

CONTINUOUS LINEAR COVER

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

