

MINO 40 mid lumen

ceiling / suspended system

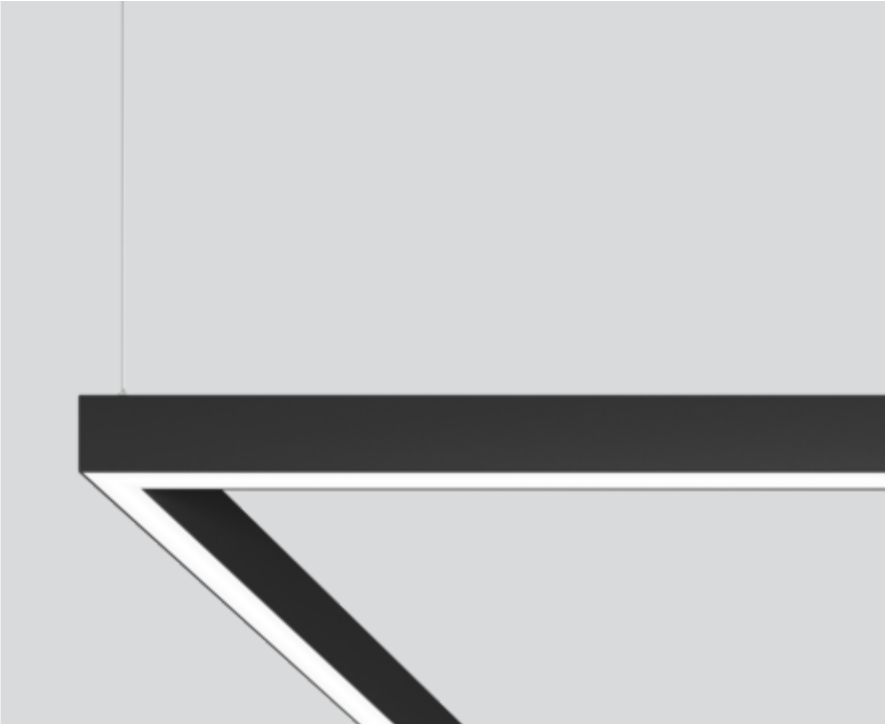
042-0116037 006-4230010H 042-1006018



Project / Type

Notes

Count / Date



General

Ceiling | Suspended

black | RAL 9005 ¹

IP20

4080 lm

1360 lm/m

LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 91 | R_{fl-15}: 89

MR 0.61 | MDER 0.55

Optical

High Performance Opal | opal (lambertsch)

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2

PC1 | 220-240 V

system 34 W

system 120 lm/W ³

11 W/m

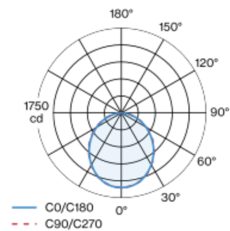
Physical

length 3000 mm | width 40 mm | height 65 mm

5.3 kg

Luminaire housing made of extruded aluminium profile; angular design; for continuous lighting systems; light tight final end caps made of aluminium (available as an accessory); no visible screws; surface black powder coated; for ceiling surface mounting or suspended mounting (1500 mm cable suspension as an accessory); height adjustment without tools; luminaire profile can be pre-mounted; pre-assembled power rail for power supply in luminaire profile; voltage tap of the light inset on the power rail; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; 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; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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 | 13 |
| B13 | 17 |
| B16 | 21 |
| B20 | 27 |
| C10 | 21 |
| C13 | 28 |
| C16 | 35 |
| C20 | 45 |

Components

LINEAR COVER

ARTICLE NUMBER(S)

006-4230010H

INSTALLATION CHANNEL

COLOUR

jet black

L-W-H (MM)

3000-40-65

ARTICLE NUMBER(S)

042-1006018

Mounting accessories

END CAPS trimless

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------|-----------------|------------|-------------------|
| 1 pair | pure white | 65-40-4 | 042-1090017 |
| 1 pair | jet black | 65-40-4 | 042-1090018 |
| 1 pair | white aluminium | 65-40-4 | 042-109001G |
| 1 pair | special colours | 65-40-4 | 042-109001X |
| 1 pair | traffic white | 65-40-4 | 042-109001W |

Mounting accessories

LINEAR CONNECTOR

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------------------|-----------|------------|-------------------|
| mechanical | jet black | 120-36-14 | 042-7091110 |
| mechanical & electrical | jet black | 120-36-14 | 042-7091230 |

OPAL COVER LINEAR CONNECTOR

COLOUR

pure white

L-W-H (MM)

120-36-14

ARTICLE NUMBER(S)

042-1091910

MICROPRISMATIC COVER LINEAR CONNECTOR

COLOUR

pure white

L-W-H (MM)

120-36-14

ARTICLE NUMBER(S)

042-1091810



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CEILING FASTENER

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------|------------|-------------------|
| traffic white | 67-31-8 | 050-2041117 |
| jet black | 67-31-8 | 050-2041118 |



CABLE SUSPENSION

| COLOUR | ARTICLE NUMBER(S) |
|--------|-------------------|
| chrome | 005-2152110 |



CANOPY

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------|------------|-------------------|
| traffic white | 90-90-22 | 005-2311217 |
| jet black | 90-90-22 | 005-2311218 |



Electrical accessories

POWER FEEDER UNIT

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 80-36-17 | 042-1093230 |



Electrical accessories

FEEDER CABLE

| COLOUR | ARTICLE NUMBER(S) |
|------------|-------------------|
| pure white | 005-2412417 |
| jet black | 005-2412418 |



Optical accessories

BLIND COVER

| COLOUR | ARTICLE NUMBER(S) |
|-----------------|-------------------|
| traffic white | 006-4210017B |
| jet black | 006-4210018B |
| white aluminium | 006-421001GB |
| traffic white | 006-4220017B |
| jet black | 006-4220018B |
| white aluminium | 006-422001GB |
| traffic white | 006-4230017B |
| jet black | 006-4230018B |
| white aluminium | 006-423001GB |
| special colours | 006-421001XB |
| special colours | 006-422001XB |
| special colours | 006-423001XB |



CONTINUOUS LINEAR COVER

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

