

MINO 40 flex high lumen

ceiling / suspended system

042-012F037 006-4210010H 042-1002018



| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



General

| |
|-------------------------------|
| Ceiling , Suspended |
| black , RAL 9005 ¹ |
| IP20 |
| 2100 lm |
| 2100 lm/m |

LED

| |
|---|
| 3000 K |
| CRI ≥ 90 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| R _g : 99 , R _r : 91 , R _{t(1-15)} : 89 |
| MR 0.61 |
| MDER 0.55 |

Optical

| |
|---------------------------------------|
| High Performance Opal |
| opal (lambertsch) |
| PstLM ≤ 1.0 ² ³ |
| SVM ≤ 0.4 ² ³ |

Electrical

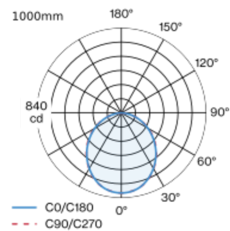
| |
|------------------------------|
| DALI-2 |
| 220-240 V |
| system 18.5 W |
| system 114 lm/W ⁴ |
| PC1 |
| 18 W/m |

Physical

| |
|--|
| length 1000 mm |
| width 40 mm |
| height 65 mm |
| 5.5 kg |
| L (mm): 500 - 1000, breakable every 62.5mm |

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 1000mm
³ Value of containing product at full load (undimmed)
⁴ 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 Faktor | |

^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 | 21 |
| B13 | 27 |
| B16 | 34 |
| B20 | 42 |
| C10 | 35 |
| C13 | 45 |
| C16 | 56 |
| C20 | 70 |

Components

LINEAR COVER

| | |
|---------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| 1000 mm | 006-4210010H |

INSTALLATION CHANNEL

| | | |
|-----------|------------|-------------------|
| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| jet black | 1000-40-65 | 042-1002018 |

Mounting accessories

END CAPS

| | | | |
|--------|-----------------|------------|-------------------|
| 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 | L-W-H (MM) | ARTICLE NUMBER(S) |
| pure white | 120-36-14 | 042-1091910 |

MICROPRISMATIC COVER LINEAR CONNECTOR

| | | |
|------------|------------|-------------------|
| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| pure white | 120-36-14 | 042-1091810 |



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Mounting accessories

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 | ARTICLE NUMBER(S) |
|---------------|-------------------|
| traffic white | 005-2311217 |
| jet black | 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

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|---------|-----------------|-------------------|
| 1000 mm | traffic white | 006-4210017B |
| 1000 mm | jet black | 006-4210018B |
| 1000 mm | white aluminium | 006-421001GB |
| 2000 mm | traffic white | 006-4220017B |
| 2000 mm | jet black | 006-4220018B |
| 2000 mm | white aluminium | 006-422001GB |
| 3000 mm | traffic white | 006-4230017B |
| 3000 mm | jet black | 006-4230018B |
| 3000 mm | white aluminium | 006-423001GB |
| 1000 mm | special colours | 006-421001XB |
| 2000 mm | special colours | 006-422001XB |
| 3000 mm | special colours | 006-423001XB |



CONTINUOUS LINEAR COVER

| TYPE | ARTICLE NUMBER(S) |
|----------|-------------------|
| 25000 mm | 006-2225010H |
| 6000 mm | 006-2206010H |

