

# MINO 40 reflector

ceiling / suspended system

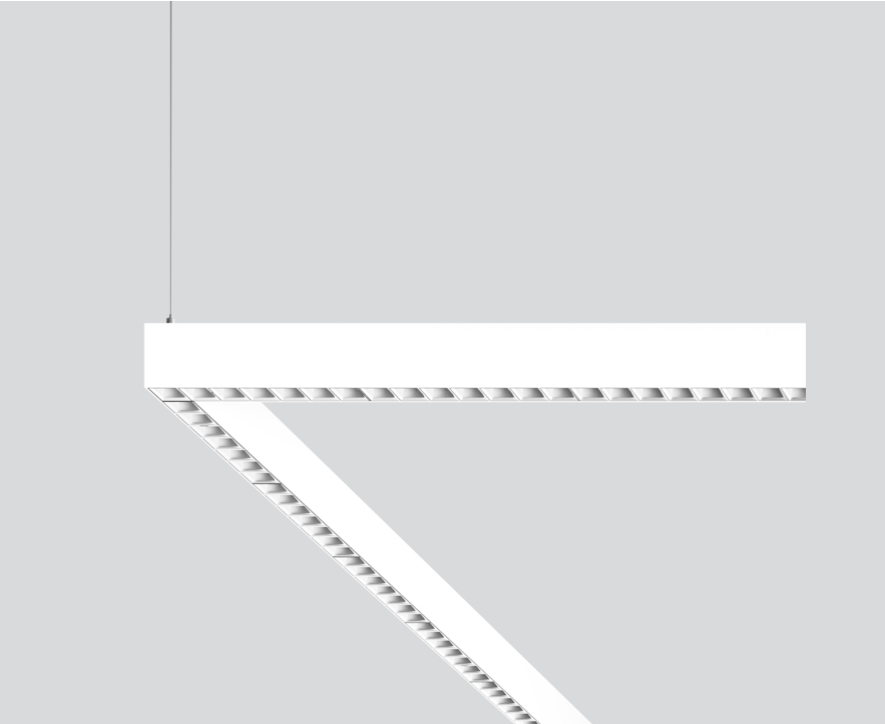
042-0114137R 042-1004017



Project / Type

Notes

Count / Date



### General

Ceiling , Suspended

RAL Pure white , RAL 9010 <sup>1</sup>

Reflector chrome

3270 lm/m

IP20

6530 lm

### LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 92 , R<sub>(1-15)</sub>: 90

MR 0.81

MDER 0.74

### Optical

Reflector

symmetric

UGR < 19 , ≥65° <1500 cd/m<sup>2</sup>

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

system 48 W

PC1 220-240V

system 136 lm/W<sup>3</sup>

1 DALI Addr.

24 W/m

### Physical

length 2000 mm

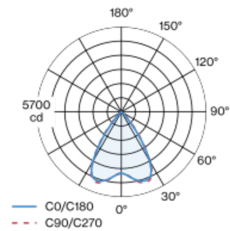
width 40 mm

height 65 mm

5.5 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 pure white 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 incl. high gloss reflector with faceted design; Reflector chrome; 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; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; degree of protection IP20; PC1 220-240V; 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



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)

### 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 Faktor            |        |

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

## Components

### INSTALLATION CHANNEL

| TYPE    | COLOUR        | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------|---------------|------------|-------------------|
| 2000 mm | traffic white | 2000-40-65 | 042-1004017       |



### 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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### 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       |



### FEEDER CABLE

| COLOUR      | ARTICLE NUMBER(S) |
|-------------|-------------------|
| transparent | 005-2412410       |



## Electrical accessories

### POWER FEEDER UNIT

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



## 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      |

