

# MINO 40 reflector

ceiling / suspended system

042-0116037R 042-100601G



Project / Type

Notes

Count / Date



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 grey 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 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; 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; 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;



### General

Ceiling | Suspended

grey | RAL 9006 <sup>1</sup>

Reflector chrome

IP20

8810 lm

2940 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>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

### Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 67 W

system 131 lm/W <sup>3</sup>

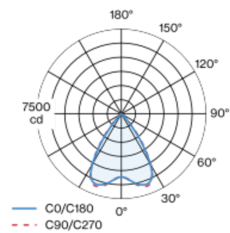
22 W/m

### Physical

length 3000 mm | width 40 mm | height 65 mm

5.8 kg

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</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                            | 13                 |
| B13                            | 17                 |
| B16                            | 21                 |
| B20                            | 27                 |
| C10                            | 21                 |
| C13                            | 28                 |
| C16                            | 35                 |
| C20                            | 45                 |

## Components

### INSTALLATION CHANNEL

| COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------------|------------|-------------------|
| white aluminium | 3000-40-65 | 042-100601G       |



## 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     | 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       |



[042-0116037R 042-100601G] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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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        | 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      |

