

# MINO 60 CURVE 45° high lumen

ceiling / suspended system  
034-0950537H



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Suspended  
white , RAL 9010 <sup>1</sup>  
IP20  
1360 lm  
2300 lm/m

## LED

3000 K  
CRI ≥ 80  
L90 / 50000 h  
initial MacAdam ≤ 3 SDCM  
MR 0.56  
MDER 0.51

## Optical

High Performance Opal  
opal (lambertsch)  
PstLM ≤ 1.0 <sup>2</sup>  
SVM ≤ 0.4 <sup>2</sup>

## Electrical

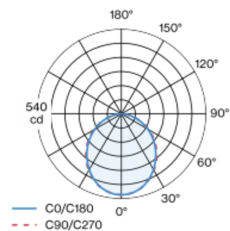
DALI-2  
220-240 V  
system 11.9 W  
system 114 lm/W<sup>3</sup>  
PC1  
1 DALI Addr.  
20 W/m

## Physical

width 60 mm  
height 80 mm  
curve length 589 mm  
centerline radius 750 mm  
segment 45°  
1.6 kg

Circular segment of rolled aluminium profile, angular design, seamlessly welded; CURVE segment design 45°; for continuous lighting systems; light tight final end caps made of aluminium (available as an accessory); no visible screws; surface white powder coated; for ceiling surface mounting or suspended mounting (1500 mm cable suspension as an accessory); with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; freely positionable; luminaire profile for mounting available in advance; 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 ≥ 80; 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; 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



<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                            | 18                 |
| B13                            | 23                 |
| B16                            | 28                 |
| B20                            | 35                 |
| C10                            | 30                 |
| C13                            | 38                 |
| C16                            | 46                 |
| C20                            | 58                 |

## Mounting accessories

### END CAPS

| TYPE   | COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------|-----------------|------------|-------------------|
| 1 pair | traffic white   | 60-80-8    | 034-0902017       |
| 1 pair | jet black       | 60-80-8    | 034-0902018       |
| 1 pair | white aluminium | 60-80-8    | 034-090201G       |
| 1 pair | special colours | 60-80-8    | 034-090201X       |



## Mounting accessories

### CEILING CLIP

| COLOUR      | ARTICLE NUMBER(S) |
|-------------|-------------------|
| transparent | 034-11636         |



## Mounting accessories

### CABLE SUSPENSION

| ARTICLE NUMBER(S) |
|-------------------|
| 005-2122110       |



### CABLE RAIL

| Ø (MM) | ARTICLE NUMBER(S) |
|--------|-------------------|
| 1200   | 005-2491110       |



## Electrical accessories

### THROUGH WIRE

| TYPE                                | ARTICLE NUMBER(S) |
|-------------------------------------|-------------------|
| 3 x 1,5 mm <sup>2</sup>   10 pieces | 004-90003         |
| 5 x 1,5 mm <sup>2</sup>   10 pieces | 004-90005         |



[034-0950537H] 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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## Electrical accessories

### CANOPY / FEEDER CABLE

| TYPE                    | COLOUR        | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------------------|---------------|------------|-------------------|
| 3 x 1,5 mm <sup>2</sup> | traffic white | 90-90-22   | 005-2212317       |
| 3 x 1,5 mm <sup>2</sup> | jet black     | 90-90-22   | 005-2212318       |
| 5 x 1,5 mm <sup>2</sup> | pure white    | 90-90-22   | 005-2212417       |
| 5 x 1,5 mm <sup>2</sup> | jet black     | 90-90-22   | 005-2212418       |

