

# MINO 60 high lumen

ceiling / suspended system

007-93M5117 006-16152G 046-4005018



Project / Type

Notes

Count / Date



## General

Ceiling | Suspended

black | RAL 9005 <sup>1</sup>

IP20

2800 lm

1900 lm/m

## LED

4000 K

CRI  $\geq$  90

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

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

MR 0.81 | MDER 0.74

## Optical

Microprismatic | microprismatic

## Electrical

non DIM

PC1 | 220-240 V

system 29.1 W

system 96 lm/W <sup>2</sup>

20 W/m

## Physical

trim

length 1472 mm | width 60 mm | height 80 mm

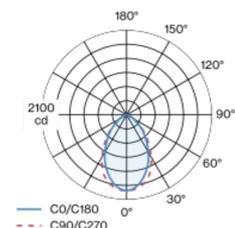
3.8 kg

<sup>1</sup> RAL code

<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

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); 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 4000 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; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. converter, non dimmable; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## 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	15
B13	19
B16	24
B20	30
C10	25
C13	32
C16	40
C20	49

## Components

### LIGHT OPTIC COVER

<b>TYPE</b>		<b>ARTICLE NUMBER(S)</b>
microprismatic (UGR<19)*		006-16152G

### INSTALLATION CHANNEL

<b>COLOUR</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
jet black	1472-60-80	046-4005018

## Mounting accessories

### END CAPS

<b>TYPE</b>	<b>COLOUR</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
1 pair	traffic white	60-40-4	046-5010017
1 pair	jet black	60-40-4	046-5010018
1 pair	white aluminium	60-40-4	046-501001G
1 pair	special colours	60-40-4	046-501001X

## Mounting accessories

### LINEAR CONNECTOR

<b>TYPE</b>	<b>ARTICLE NUMBER(S)</b>
1 piece	005-40046
10 pieces	005-40046.10

### OPAL COVER LINEAR CONNECTOR

<b>ARTICLE NUMBER(S)</b>
006-14000



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## Mounting accessories

### CEILING CLIP surface

COLOUR  
transparent

ARTICLE NUMBER(S)  
034-11636



## Mounting accessories

### CABLE SUSPENSION

ARTICLE NUMBER(S)  
005-2122110



### CABLE RAIL

Ø (MM)  
1200

ARTICLE NUMBER(S)  
005-2491110



## Electrical accessories

### THROUGH WIRE

TYPE  
10 pieces  
10 pieces

ARTICLE NUMBER(S)  
004-90003  
004-90005



## Electrical accessories

### CANOPY / FEEDER CABLE

COLOUR	L-W-H (MM)
traffic white	90-90-22
jet black	90-90-22
pure white	90-90-22
jet black	90-90-22

ARTICLE NUMBER(S)  
005-2212317  
005-2212318  
005-2212417  
005-2212418

