

# MINO 60 high lumen

ceiling / suspended system

007-9334D37 006-16122H 046-4004017



Project / Type

Notes

Count / Date



### General

Ceiling | Suspended

white | RAL 9010 <sup>1</sup>

IP20

3010 lm

2570 lm/m

### LED

tunable white | 2700 K - 6500 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.48 | MDER 0.44

### Optical

High Performance Opal | opal (lambertsch)

PstLM ≤ 1.0 <sup>2</sup> | SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2 DT8 | 1 DALI Addr.

PC1 | 220-240 V

system 25.3 W

system 119 lm/W <sup>3</sup>

22 W/m

### Physical

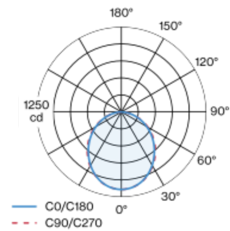
length 1172 mm | width 60 mm | height 80 mm

2.87 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 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: tunable white diodes (2700-6500 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 / DT8 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

<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

### 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	13
B13	16
B16	22
B20	27
C10	21
C13	28
C16	36
C20	45

## Components

### LIGHT OPTIC COVER

TYPE	ARTICLE NUMBER(S)
opal high performance	006-16122H

### INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	1172-60-80	046-4004017

## Mounting accessories

### END CAPS

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
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

TYPE	ARTICLE NUMBER(S)
1 piece	005-40046
10 pieces	005-40046.10

### OPAL COVER LINEAR CONNECTOR

ARTICLE NUMBER(S)
006-14000



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## Mounting accessories

### CEILING CLIP surface

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)
10 pieces	004-90003
10 pieces	004-90005



## Electrical accessories

### CANOPY / FEEDER CABLE

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	90-90-22	005-2212317
jet black	90-90-22	005-2212318
pure white	90-90-22	005-2212417
jet black	90-90-22	005-2212418

