

MINO 60 high lumen

ceiling / suspended system

007-93M8537 006-16232H 046-4008018



Project / Type _____
Notes _____
Count / Date _____



General

Ceiling | Suspended
black | RAL 9005 ¹
IP20
5530 lm
2360 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 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 | 1 DALI Addr.
PC1 | 220-240 V
system 45 W
system 123 lm/W ³
19 W/m

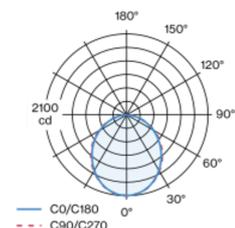
Physical

trim
length 2344 mm | width 60 mm | height 80 mm
5.5 kg

¹ RAL code ² Value of containing product at full load (undimmed)
³ 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 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



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 ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

^a 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	7
B13	10
B16	12
B20	14
C10	10
C13	20
C16	24
C20	28

Components

LIGHT OPTIC COVER

TYPE	ARTICLE NUMBER(S)
opal high performance	006-16232H

INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
jet black	2344-60-80	046-4008018

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



[007-93M8537 006-16232H 046-4008018] 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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2 / 3

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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

