

MINO 60 high lumen

ceiling / suspended system

007-93M5137 006-16152H 046-400501X



Project / Type	
Notes	
Count / Date	



General

Ceiling , Suspended	
special colours	
IP20	
3220 lm	
2190 lm/m	

LED

4000 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R _g : 99 , R _r : 92 , R _{t(1-15)} : 90	
MR 0.81	
MDER 0.74	

Optical

High Performance Opal	
opal (lambertsch)	
PstLM ≤ 1.0 ¹	
SVM ≤ 0.4 ¹	

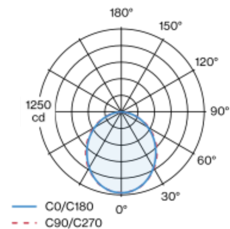
Electrical

DALI-2	
220-240 V	
system 29.1 W	
system 111 lm/W ²	
PC1	
1 DALI Addr.	
20 W/m	

Physical

trim	
length 1472 mm	
width 60 mm	
height 80 mm	
3.5 kg	

Light distribution



Product drawing



¹ Value of containing product at full load (undimmed)
² FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

^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	006-16152H

INSTALLATION CHANNEL

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
special colours	1472-60-80	046-400501X

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

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 ² 10 pieces	004-90003
5 x 1,5 mm ² 10 pieces	004-90005



Electrical accessories

CANOPY / FEEDER CABLE

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

