

# MINO 60 high lumen

ceiling / suspended system

007-93M3037 006-16092G 046-400301X



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

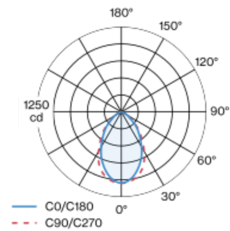
Notes \_\_\_\_\_

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



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 special colours 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  $\leq 3$  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. 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



## General

Ceiling , Suspended \_\_\_\_\_

special colours \_\_\_\_\_

IP20 \_\_\_\_\_

1560 lm \_\_\_\_\_

1780 lm/m \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI  $\geq 90$  \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89 \_\_\_\_\_

MR 0.61 \_\_\_\_\_

MDER 0.55 \_\_\_\_\_

## Optical

Microprismatic \_\_\_\_\_

microprismatic \_\_\_\_\_

PstLM  $\leq 1.0$  <sup>1</sup> \_\_\_\_\_

SVM  $\leq 0.4$  <sup>1</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_

220-240 V \_\_\_\_\_

system 17.5 W \_\_\_\_\_

PC1 \_\_\_\_\_

system 89 lm/W<sup>2</sup> \_\_\_\_\_

1 DALI Addr. \_\_\_\_\_

20 W/m \_\_\_\_\_

## Physical

trim \_\_\_\_\_

length 872 mm \_\_\_\_\_

width 60 mm \_\_\_\_\_

height 80 mm \_\_\_\_\_

2.29 kg \_\_\_\_\_

<sup>1</sup> Value of containing product at full load (undimmed)

<sup>2</sup> incl. optical losses and the efficiency of the operating device (converter)

## 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 Faktor	

<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

## Components

### LIGHT OPTIC COVER

TYPE	ARTICLE NUMBER(S)
microprismatic (UGR<19)*	006-16092G

### INSTALLATION CHANNEL

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
872 mm	special colours	872-60-80	046-400301X



## 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





Project / Type

Notes

Count / Date

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



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

