

# MINO 40 reflector

ceiling / suspended system

042-0116137B 042-1006018



Project / Type

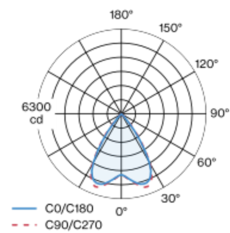
Notes

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 black powder coated; for ceiling surface mounting or suspended mounting (1500 mm cable suspension as an accessory); height adjustment without tools; luminaire profile can be pre-mounted; pre-assembled power rail for power supply in luminaire profile; voltage tap of the light inset on the power rail; remaining lamp components mounted without tools; LED light inset incl. high gloss reflector with faceted design; Reflector dark chrome; 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; UGR  $\leq 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500$  cd/m<sup>2</sup>; 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

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

Reflector dark chrome

IP20

7090 lm

2370 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>t(1-15)</sub>: 90

MR 0.81 | MDER 0.74

### Optical

Reflector | Symmetric

UGR  $\leq 19$  |  $\geq 65^\circ < 1500$  cd/m<sup>2</sup>

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

### Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 67 W

system 106 lm/W <sup>3</sup>

22 W/m

### Physical

length 3000 mm | width 40 mm | height 65 mm

<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

## 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	17
B16	21
B20	27
C10	21
C13	28
C16	35
C20	45

## Components

### INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
jet black	3000-40-65	042-1006018



## Mounting accessories

### END CAPS trimless

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
1 pair	pure white	65-40-4	042-1090017
1 pair	jet black	65-40-4	042-1090018
1 pair	white aluminium	65-40-4	042-109001G
1 pair	special colours	65-40-4	042-109001X
1 pair	traffic white	65-40-4	042-109001W



## Mounting accessories

### LINEAR CONNECTOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
mechanical	jet black	120-36-14	042-7091110
mechanical & electrical	jet black	120-36-14	042-7091230



### OPAL COVER LINEAR CONNECTOR

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	120-36-14	042-1091910



### MICROPRISMATIC COVER LINEAR CONNECTOR

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	120-36-14	042-1091810



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## Mounting accessories

### CEILING FASTENER

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	67-31-8	050-2041117
jet black	67-31-8	050-2041118



### CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	005-2152110



### CANOPY

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	90-90-22	005-2311217
jet black	90-90-22	005-2311218



## Electrical accessories

### POWER FEEDER UNIT

L-W-H (MM)	ARTICLE NUMBER(S)
80-36-17	042-1093230



## Electrical accessories

### FEEDER CABLE

COLOUR	ARTICLE NUMBER(S)
pure white	005-2412417
jet black	005-2412418



## Optical accessories

### BLIND COVER

COLOUR	ARTICLE NUMBER(S)
traffic white	006-4210017B
jet black	006-4210018B
white aluminium	006-421001GB
traffic white	006-4220017B
jet black	006-4220018B
white aluminium	006-422001GB
traffic white	006-4230017B
jet black	006-4230018B
white aluminium	006-423001GB
special colours	006-421001XB
special colours	006-422001XB
special colours	006-423001XB



### CONTINUOUS LINEAR COVER

ARTICLE NUMBER(S)
006-2225010H
006-2206010H

