

# MINO 40 mid lumen

ceiling / suspended system

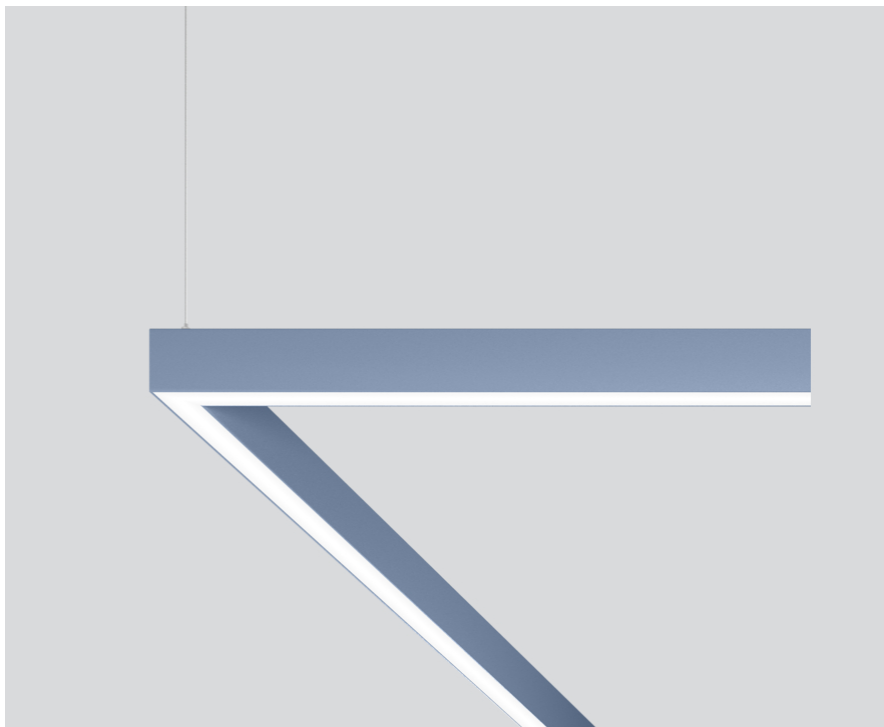
042-101413X 006-4220010H



Project / Type

Notes

Count / Date



## General

Ceiling , Suspended

special colours

1560 lm/m

IP20

3120 lm

## LED

4000 K

CRI  $\geq$  90

L85 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam  $\leq$  3 SDCM

R<sub>g</sub>: 98 , R<sub>f</sub>: 90 , R<sub>f(1-15)</sub>: 88

MR 0.62

MDER 0.69

## Optical

High Performance Opal

## Electrical

DALI-2

25.6 W

PC1 220-240V

122 lm/W

13 W/m

## Physical

length 2200 mm

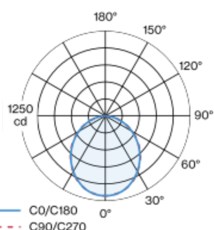
width 40 mm

height 65 mm

3 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 special colours 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 consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; min. 85% 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 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



## Lighting calculator



[042-101413X 006-4220010H] 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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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.91	0.89
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	7
B13	10
B16	12
B20	14
C10	10
C13	20
C16	24
C20	28

## Mounting accessories

### END CAPS

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



## Mounting accessories

### CHANNEL + BLIND COVER

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
1000 mm	traffic white	1000-40-65	042-1094217
1000 mm	jet black	1000-40-65	042-1094218
1000 mm	white aluminium	1000-40-65	042-109421G
1000 mm	special colours	1000-40-65	042-109421X
2000 mm	traffic white	2000-40-65	042-1094417
2000 mm	jet black	2000-40-65	042-1094418
2000 mm	white aluminium	2000-40-65	042-109441G
2000 mm	special colours	2000-40-65	042-109441X
3000 mm	traffic white	3000-40-65	042-1094617
3000 mm	jet black	3000-40-65	042-1094618
3000 mm	white aluminium	3000-40-65	042-109461G
3000 mm	special colours	3000-40-65	042-109461X
corner	traffic white	500-500-65	042-1094C17
corner	jet black	500-500-65	042-1094C18
corner	white aluminium	500-500-65	042-1094C1G
corner	special colours	500-500-65	042-1094C1X



## Mounting accessories

### LINEAR CONNECTOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
mechanical	pure white	120-36-14	042-7091110
mechanical & electrical	pure white	120-36-14	042-7091210



### OPAL COVER LINEAR CONNECTOR

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



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## Mounting accessories

### CEILING FASTENER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	10	050-2041117
jet black	10	050-2041118



### CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	005-2152110



### CANOPY

COLOUR	ARTICLE NUMBER(S)
traffic white	005-2311217
jet black	005-2311218



### FEEDER CABLE

COLOUR	ARTICLE NUMBER(S)
transparent	005-2412410



## Electrical accessories

### POWER FEEDER UNIT

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

