

MINO 40 high lumen

ceiling / suspended system

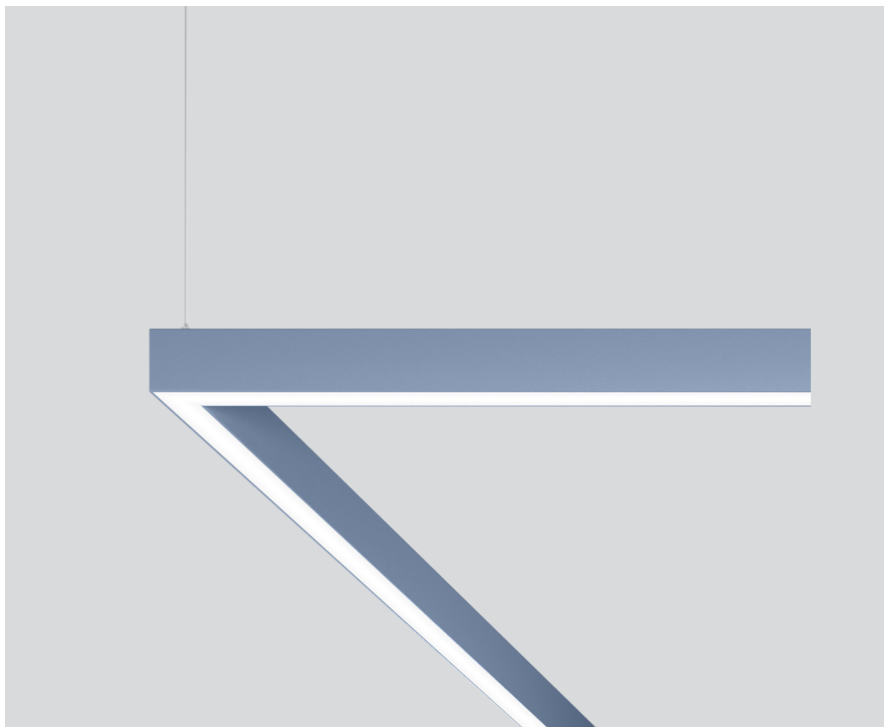
042-102213X 006-4210010H



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

special colours

2420 lm/m

IP20

2420 lm

LED

4000 K

CRI \geq 90

L85 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam \leq 3 SDCM

R_g: 98 , R_f: 90 , R_{f(1-15)}: 88

MR 0.62

MDER 0.69

Optical

High Performance Opal

Electrical

DALI-2

21.0 W

PC1 220-240V

115 lm/W

21 W/m

Physical

length 1000 mm

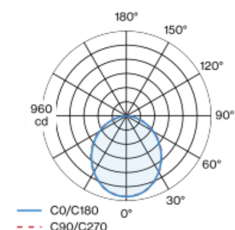
width 40 mm

height 65 mm

1.7 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



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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
 MF Maintenance Factor
 LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor
 LLMF Lamp Lumens 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	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

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



['042-102213X 006-4210010H'] 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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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

