

MINO 40 high lumen

ceiling / suspended system

042-102403G 006-4220010H



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

grey , RAL9006 ¹

2200 lm/m

IP20

4390 lm

LED

3000 K

CRI \geq 90

L85 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam \leq 3 SDCM

R_g: 99 , R_f: 91 , R₍₁₋₁₅₎: 89

MR 0.5

MDER 0.55

Optical

High Performance Opal

Electrical

DALI-2

42 W

PC1 220-240V

105 lm/W

21 W/m

Physical

length 2000 mm

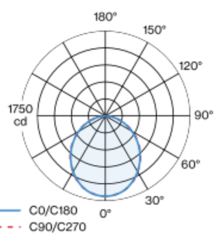
width 40 mm

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 grey 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 3000 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



¹ RAL code

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 | 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 |

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 |



[042-102403G 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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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 |

