

MINO 60 direct / indirect mid lumen ceiling /

suspended system

046-501351GZ



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

grey , RAL 9006 ¹

IP20

indirect 867 lm

direct 1290 lm

total 2160 lm

2470 lm/m

LED

3000 K

CRI \geq 80

L90 / 50000 h

initial MacAdam \leq 3 SDCM

MR 0.56

MDER 0.51

Optical

Microprismatic

microprismatic

UGR < 19

PstLM \leq 1.0 ²

SVM \leq 0.4 ²

Electrical

non DIM

220-240 V

system 17.9 W

system 121 lm/W³

PC1

20 W/m

Physical

length 872 mm

width 60 mm

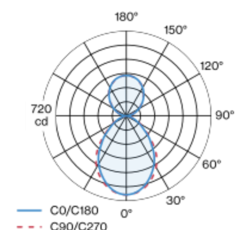
height 80 mm

2.4 kg

¹ RAL code ² Value of containing product at full load (undimmed)

³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Light distribution



Product drawing



[046-501351GZ] 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 | 0.92 | 0.9 |
| 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 | 9 |
| B13 | 13 |
| B16 | 15 |
| B20 | 18 |
| C10 | 18 |
| C13 | 26 |
| C16 | 30 |
| C20 | 36 |

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



Mounting accessories

CABLE SUSPENSION

ARTICLE NUMBER(S)
005-2122110



CABLE RAIL

| Ø (MM) | ARTICLE NUMBER(S) |
|--------|-------------------|
| 1200 | 005-2491110 |



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Electrical accessories

THROUGH WIRE

| TYPE | ARTICLE NUMBER(S) |
|-------------------------------------|-------------------|
| 3 x 1,5 mm ² 10 pieces | 004-90003 |
| 5 x 1,5 mm ² 10 pieces | 004-90005 |



Electrical accessories

CANOPY / FEEDER CABLE

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------------------|---------------|------------|-------------------|
| 3 x 1,5 mm ² | traffic white | 90-90-22 | 005-2212317 |
| 3 x 1,5 mm ² | jet black | 90-90-22 | 005-2212318 |
| 5 x 1,5 mm ² | pure white | 90-90-22 | 005-2212417 |
| 5 x 1,5 mm ² | jet black | 90-90-22 | 005-2212418 |

