

MINO 40 reflector

ceiling / suspended system

042-0113137B 042-1004018



| | |
|----------------|--|
| Project / Type | |
| Notes | |
| Count / Date | |



General

| |
|-------------------------------|
| Ceiling , Suspended |
| black , RAL 9005 ¹ |
| Reflector dark chrome |
| IP20 |
| 3650 lm |
| 2430 lm/m |

LED

| |
|--|
| 4000 K |
| CRI ≥ 90 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| R _g : 99 , R _f : 92 , R ₍₁₋₁₅₎ : 90 |
| MR 0.81 |
| MDER 0.74 |

Optical

| |
|---|
| Reflector |
| symmetric |
| UGR < 19 , ≥65° <1500 cd/m ² |
| P _{stLM} ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

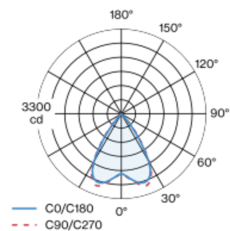
Electrical

| |
|------------------------------|
| DALI-2 |
| 220-240 V |
| system 36 W |
| system 101 lm/W ³ |
| PC1 |
| 1 DALI Addr. |
| 24 W/m |

Physical

| |
|----------------|
| length 1500 mm |
| width 40 mm |
| height 65 mm |
| 5.5 kg |

Light distribution



Product drawing



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.

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 ^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 | 36 |
| B13 | 47 |
| B16 | 58 |
| C10 | 36 |
| C13 | 78 |
| C16 | 58 |

Components

INSTALLATION CHANNEL

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------|------------|-------------------|
| jet black | 2000-40-65 | 042-1004018 |



Mounting accessories

END CAPS

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

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|---------|-----------------|-------------------|
| 1000 mm | traffic white | 006-4210017B |
| 1000 mm | jet black | 006-4210018B |
| 1000 mm | white aluminium | 006-421001GB |
| 2000 mm | traffic white | 006-4220017B |
| 2000 mm | jet black | 006-4220018B |
| 2000 mm | white aluminium | 006-422001GB |
| 3000 mm | traffic white | 006-4230017B |
| 3000 mm | jet black | 006-4230018B |
| 3000 mm | white aluminium | 006-423001GB |
| 1000 mm | special colours | 006-421001XB |
| 2000 mm | special colours | 006-422001XB |
| 3000 mm | special colours | 006-423001XB |



CONTINUOUS LINEAR COVER

| TYPE | ARTICLE NUMBER(S) |
|----------|-------------------|
| 25000 mm | 006-2225010H |
| 6000 mm | 006-2206010H |

