

MINO 60 CIRCLE 1000

direct / indirect

suspended

034-241363GH



Project / Type

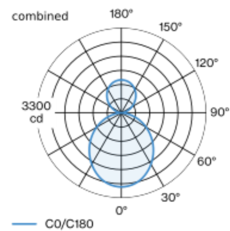
Notes

Count / Date

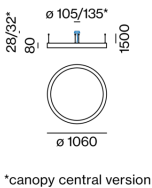


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suspended luminaire with 1500mm cable suspension (canopy central); with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); surface grey powder coated; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; direct/indirect light emission for additional accentuation of the ceiling; indirect light component with special PCBs for increased luminous flux and maximum ceiling illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; sound absorbing accessories available; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Ceiling | Suspended

grey | RAL 9006 ¹

IP20

indirect 3430 lm | direct 7480 lm

total 10910 lm

LED

4000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.72 | MDER 0.65

Optical

High Performance Opal | opal (lambertsch)

PstLM $\leq 1.0^2$ ³ | SVM $\leq 0.4^2$ ³

Electrical

DALI-2 | 5 DALI Addr.

PC1 | 220-240 V

system 71 W

system 154 lm/W ⁴

Physical

cable 1500 mm / canopy central

diameter 1060 mm | height 80 mm

centerline radius 500 mm

9 kg

¹ RAL code ² combined
³ Value of containing product at full load (undimmed)
⁴ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions



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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 Factor | |

^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 | 3 |
| B13 | 5 |
| B16 | 6 |
| B20 | 7 |
| C10 | 6 |
| C13 | 8 |
| C16 | 10 |
| C20 | 12 |

Acoustic accessories

MINO CIRCLE ACOUSTIC 1000 inlay

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|--------|-------------------|
| marble grey | 937 | 034-270111D |
| black | 937 | 034-270111L |
| white | 937 | 034-270111W |
| anthracite | 937 | 034-270111B |
| limestone | 937 | 034-270111S |

