

# MINO 60 CIRCLE 1000

## direct / indirect

suspended  
034-2413537Z



Project / Type

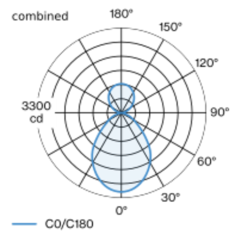
Notes

Count / Date

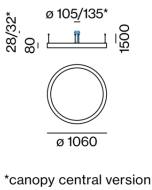


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suspended luminaire with 1500mm cable suspension (canopy central); with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); surface white powder coated; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; 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

white | RAL 9010 <sup>1</sup>

IP20

indirect 3010 lm | direct 5710 lm

total 8720 lm

### LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.56 | MDER 0.51

### Optical

Microprismatic | microprismatic

UGR  $\leq 19$

PstLM  $\leq 1.0^2$  <sup>3</sup> | SVM  $\leq 0.4^2$  <sup>3</sup>

### Electrical

DALI-2 | 5 DALI Addr.

PC1 | 220-240 V

system 71 W

system 123 lm/W <sup>4</sup>

### Physical

cable 1500 mm / canopy central

diameter 1060 mm | height 80 mm

centerline radius 500 mm

9 kg

<sup>1</sup> RAL code <sup>2</sup> combined  
<sup>3</sup> Value of containing product at full load (undimmed)  
<sup>4</sup> 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 <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire Maintenance Factor |        | LSF               | Lamp Survival Factor            |        |

<sup>a</sup> 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       |

