

# MINO 60 S CIRCLE

## 1500 direct / indirect

suspended  
034-721153GH



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



### General

Ceiling , Suspended  
grey , RAL9006 <sup>1</sup>  
IP20  
indirect 5100 lm  
direct 9010 lm  
total 14110 lm

### LED

3000 K  
CRI ≥ 80  
L90 / 50000 h  
photobio. safety RG 0 - no Risk  
initial MacAdam ≤ 3 SDCM  
MR 0.56  
MDER 0.51

### Optical

High Performance Opal  
PstLM ≤ 1.0 <sup>2</sup>  
SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2  
119 W  
PC1 220-240V  
119 lm/W  
5 DALI Addr.

### Physical

cable 1500 mm  
length 1560 mm  
width 60 mm  
height 60 mm  
centerline radius 750 mm  
13 kg

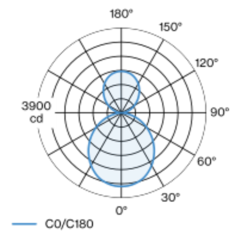
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

### Lighting calculator

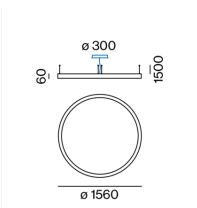


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension; height adjustment without tools; incl. feeder cable; surface grey powder coated; extruded profile for improved thermal management; light colour 3000 K; 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 integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; degree of protection IP20; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; incl. DALI-2 converter; converter included in canopy; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



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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

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

<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                            | 4                  |
| B16                            | 5                  |
| B20                            | 7                  |
| C10                            | 6                  |
| C13                            | 8                  |
| C16                            | 10                 |
| C20                            | 12                 |

