

# MINO 60 S CIRCLE

## 1000 direct / indirect

suspended  
034-721353XH



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

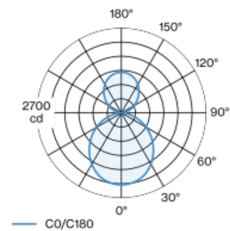
Notes \_\_\_\_\_

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

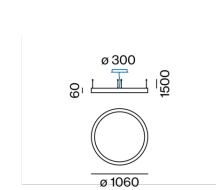


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension; height adjustment without tools; incl. feeder cable; surface special colours powder coated; extruded profile for improved thermal management; light colour 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; 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



### General

Ceiling , Suspended \_\_\_\_\_

special colours \_\_\_\_\_

IP20 \_\_\_\_\_

indirect 3120 lm \_\_\_\_\_

direct 6420 lm \_\_\_\_\_

total 9540 lm \_\_\_\_\_

### LED

3000 K \_\_\_\_\_

CRI  $\geq 80$  \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

photobio. safety RG 0 - no Risk \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

MR 0.56 \_\_\_\_\_

MDER 0.51 \_\_\_\_\_

### Optical

High Performance Opal \_\_\_\_\_

PstLM  $\leq 1.0$  <sup>1</sup> \_\_\_\_\_

SVM  $\leq 0.4$  <sup>1</sup> \_\_\_\_\_

### Electrical

DALI-2 \_\_\_\_\_

84 W \_\_\_\_\_

PC1 220-240V \_\_\_\_\_

114 lm/W \_\_\_\_\_

2 DALI Addr. \_\_\_\_\_

### Physical

cable 1500 mm \_\_\_\_\_

length 1060 mm \_\_\_\_\_

width 60 mm \_\_\_\_\_

height 60 mm \_\_\_\_\_

centerline radius 500 mm \_\_\_\_\_

8 kg \_\_\_\_\_

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

### 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

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                            | 4                  |
| B13                            | 5                  |
| B16                            | 7                  |
| B20                            | 8                  |
| C10                            | 7                  |
| C13                            | 9                  |
| C16                            | 12                 |
| C20                            | 15                 |

