

# MINO 60 S CIRCLE

## 1000 direct / indirect

suspended  
034-7213537H



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

Notes \_\_\_\_\_

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



### General

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

white , RAL9010 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

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

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

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

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

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

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

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

### Physical

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

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

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

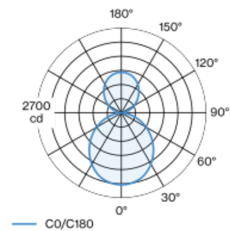
height 60 mm \_\_\_\_\_

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

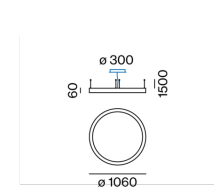
8 kg \_\_\_\_\_

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

### Light distribution



### Product drawing



### 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 <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 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                 |

