

# MINO 60 S CIRCLE

## 1000 direct / indirect

suspended

034-741363XH

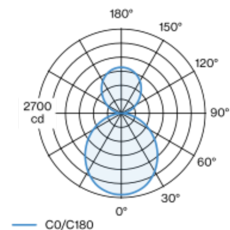


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |

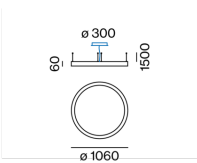


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension (canopy central); height adjustment without tools; incl. feed (white); surface special colours powder coated; extruded profile for improved thermal management; light colour 4000 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; 220-240 V; 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 3550 lm    |  |
| direct 7300 lm      |  |
| total 10850 lm      |  |

### LED

|                               |  |
|-------------------------------|--|
| 4000 K                        |  |
| CRI $\geq 80$                 |  |
| L90 / 50000 h                 |  |
| initial MacAdam $\leq 3$ SDCM |  |
| MR 0.72                       |  |
| MDER 0.65                     |  |

### Optical

|                               |  |
|-------------------------------|--|
| High Performance Opal         |  |
| opal (lambertsch)             |  |
| PstLM $\leq 1.0$ <sup>1</sup> |  |
| SVM $\leq 0.4$ <sup>1</sup>   |  |

### Electrical

|                              |  |
|------------------------------|--|
| DALI-2                       |  |
| 220-240 V                    |  |
| system 79 W                  |  |
| system 137 lm/W <sup>2</sup> |  |
| PC1                          |  |
| 2 DALI Addr.                 |  |

### Physical

|                                |  |
|--------------------------------|--|
| cable 1500 mm / canopy central |  |
| diameter 1060 mm               |  |
| height 60 mm                   |  |
| centerline radius 500 mm       |  |

<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Installation instructions



### Lighting calculator



# MINO 60 S CIRCLE

## 1000 direct / indirect

suspended  
034-741363XH



Project / Type

Notes

Count / Date

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

