

# MINO 60 S CIRCLE

## 1500 direct / indirect

suspended  
034-741153GH

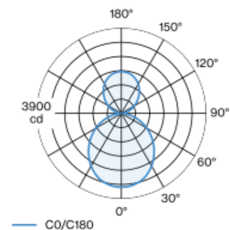


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |

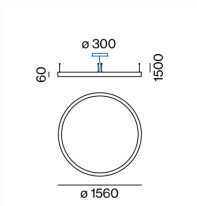


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension (canopy central); height adjustment without tools; incl. feed (white); surface grey powder coated; extruded profile for improved thermal management; light 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; 220-240 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          |  |
| grey , RAL 9006 <sup>1</sup> |  |
| IP20                         |  |
| indirect 5100 lm             |  |
| direct 9010 lm               |  |
| total 14110 lm               |  |

### LED

|                               |  |
|-------------------------------|--|
| 3000 K                        |  |
| CRI $\geq 80$                 |  |
| L90 / 50000 h                 |  |
| initial MacAdam $\leq 3$ SDCM |  |
| MR 0.56                       |  |
| MDER 0.51                     |  |

### Optical

|                               |  |
|-------------------------------|--|
| High Performance Opal         |  |
| opal (lambertsch)             |  |
| PstLM $\leq 1.0$ <sup>2</sup> |  |
| SVM $\leq 0.4$ <sup>2</sup>   |  |

### Electrical

|                              |  |
|------------------------------|--|
| DALI-2                       |  |
| 220-240 V                    |  |
| system 119 W                 |  |
| system 119 lm/W <sup>3</sup> |  |
| PC1                          |  |
| 5 DALI Addr.                 |  |

### Physical

|                                |  |
|--------------------------------|--|
| cable 1500 mm / canopy central |  |
| diameter 1560 mm               |  |
| height 60 mm                   |  |
| centerline radius 750 mm       |  |

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Installation instructions



### Lighting calculator



# MINO 60 S CIRCLE

## 1500 direct / indirect

suspended  
034-741153GH



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                            | 3                  |
| B13                            | 4                  |
| B16                            | 5                  |
| B20                            | 7                  |
| C10                            | 6                  |
| C13                            | 8                  |
| C16                            | 10                 |
| C20                            | 12                 |

