

MINO 60 S CIRCLE

1500 direct / indirect

suspended
034-741163XH

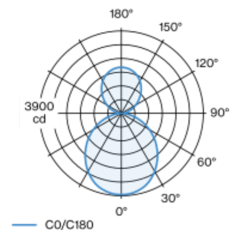


| | |
|----------------|--|
| Project / Type | |
| Notes | |
| Count / Date | |

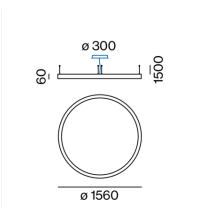


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension (canopy central); height adjustment without tools; incl. feed (white); surface special colours powder coated; extruded profile for improved thermal management; light colour 4000 K; binning initial MacAdam ≤ 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; 220-240 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 5800 lm | |
| direct 10300 lm | |
| total 16100 lm | |

LED

| | |
|-------------------------------|--|
| 4000 K | |
| CRI ≥ 80 | |
| L90 / 50000 h | |
| initial MacAdam ≤ 3 SDCM | |
| MR 0.72 | |
| MDER 0.65 | |

Optical

| | |
|-------------------------------|--|
| High Performance Opal | |
| opal (lambertsch) | |
| PstLM ≤ 1.0 ¹ | |
| SVM ≤ 0.4 ¹ | |

Electrical

| | |
|------------------------------|--|
| DALI-2 | |
| 220-240 V | |
| system 119 W | |
| system 135 lm/W ² | |
| PC1 | |
| 5 DALI Addr. | |

Physical

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

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

Installation instructions



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 ^a | Room Surface Maintenance Factor |
| MF | Maintenance Factor | LLMF | Lamp Lumens Maintenance Factor |
| LMF ^a | Luminaire Maintenance Factor | LSF | Lamp Survival Factor |

^a 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 |

