

# MINO 60 S CIRCLE

## 1500 direct / indirect

suspended  
034-7211537H



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

Notes \_\_\_\_\_

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



### General

Ceiling , Suspended  
white , RAL9010 <sup>1</sup>  
IP20  
indirect 5100 lm  
direct 9010 lm  
total 14110 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  
119 W  
PC1 220-240V  
119 lm/W  
5 DALI Addr.

### Physical

cable 1500 mm  
length 1560 mm  
width 60 mm  
height 60 mm  
centerline radius 750 mm  
13 kg

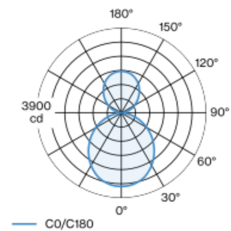
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

### Lighting calculator

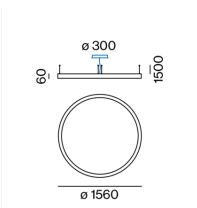


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension; height adjustment without tools; incl. feeder cable; surface white powder coated; extruded profile for improved thermal management; light colour 3000 K; 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 220-240V; 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



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

