

# MINO 60 S CIRCLE

## 1000 direct / indirect

suspended

034-741363GH



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

Notes \_\_\_\_\_

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



RG0 IEC 62471

220-240V

X-PERT

X-PERT

### General

Ceiling , Suspended

grey , RAL9006 <sup>1</sup>

IP20

indirect 3550 lm

direct 7300 lm

total 10850 lm

### LED

4000 K

CRI  $\geq 80$

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam  $\leq 3$  SDCM

MR 0.72

MDER 0.65

### Optical

High Performance Opal

opal (lambertsch)

PstLM  $\leq 1.0$  <sup>2</sup>

SVM  $\leq 0.4$  <sup>2</sup>

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 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 220-240V; 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;

### Electrical

DALI-2

system 79 W

PC1 220-240V

system 137 lm/W<sup>3</sup>

2 DALI Addr.

### Physical

cable 1500 mm / canopy central

diameter 1060 mm

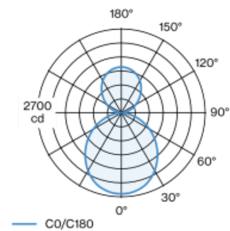
height 60 mm

centerline radius 500 mm

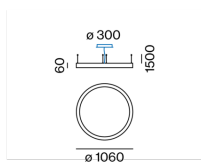
9 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)

### Light distribution



### Product drawing



### 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

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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

