

# MINO 60 CIRCLE 1000

## direct / indirect

suspended

034-241353GH



Project / Type

Notes

Count / Date



### General

Ceiling , Suspended

grey , RAL 9006 <sup>1</sup>

IP20

indirect 3010 lm

direct 6570 lm

total 9580 lm

### LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.56

MDER 0.51

### Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0<sup>2</sup> <sup>3</sup>

SVM ≤ 0.4<sup>2</sup> <sup>3</sup>

### Electrical

DALI-2

220-240 V

system 71 W

system 135 lm/W<sup>4</sup>

PC1

5 DALI Addr.

### Physical

cable 1500 mm / canopy central

diameter 1060 mm

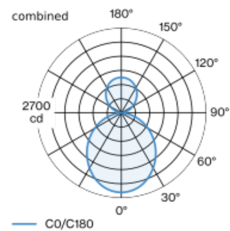
height 80 mm

centerline radius 500 mm

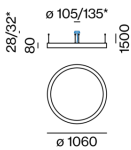
9 kg

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suspended luminaire with 1500mm cable suspension (canopy central); with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); surface grey powder coated; LED light inset consisting of highly reflective lacquered aluminium 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 special PCBs for increased luminous flux and maximum ceiling illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; sound absorbing accessories available; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



\*canopy central version

<sup>1</sup> RAL code <sup>2</sup> combined  
<sup>3</sup> Value of containing product at full load (undimmed)  
<sup>4</sup> 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 <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	5
B16	6
B20	7
C10	6
C13	8
C16	10
C20	12

### Acoustic accessories

#### MINO CIRCLE ACOUSTIC 1000 inlay

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
marble grey	937	034-270111D
black	937	034-270111L
white	937	034-270111W

