

# MINO 60 CIRCLE 1000

## direct / indirect

suspended  
034-2413637H



Project / Type

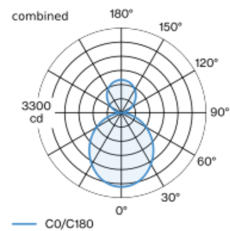
Notes

Count / Date

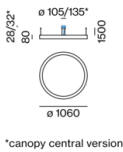


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suspended luminaire with 1500mm cable suspension (canopy central); with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); surface pure white powder coated; LED light inset consisting of highly reflective lacquered aluminium 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 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



### General

Ceiling | Suspended

pure white | RAL 9010

IP20

indirect 3430 lm | direct 7480 lm

total 10910 lm

### LED

4000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.72 | MDER 0.65

### Optical

High Performance Opal | opal (lambertsch)

PstLM  $\leq 1.01^2$  | SVM  $\leq 0.41^2$

### Electrical

DALI-2 | 5 DALI Addr.

PC1 | 220-240 V

system 71 W

system 154 lm/W<sup>3</sup>

### Physical

cable 1500 mm / canopy central

diameter 1060 mm | height 80 mm

centerline radius 500 mm

9 kg

<sup>1</sup> combined <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



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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
anthracite	937	034-270111B
limestone	937	034-270111S

