

# MINO 60 CIRCLE 1500

## direct / indirect

suspended  
034-241153XZ



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 special colours powder coated; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 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; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; 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;



**General**

Ceiling | Suspended \_\_\_\_\_

special colours \_\_\_\_\_

IP20 \_\_\_\_\_

indirect 4820 lm | direct 9130 lm \_\_\_\_\_

total 13950 lm \_\_\_\_\_

**LED**

3000 K \_\_\_\_\_

CRI  $\geq 80$  \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

MR 0.56 | MDER 0.51 \_\_\_\_\_

**Optical**

Microprismatic | microprismatic \_\_\_\_\_

UGR  $\leq 19$  \_\_\_\_\_

PstLM  $\leq 1.0^{1\ 2}$  | SVM  $\leq 0.4^{1\ 2}$  \_\_\_\_\_

**Electrical**

DALI-2 | 5 DALI Addr. \_\_\_\_\_

PC1 | 220-240 V \_\_\_\_\_

system 114 W \_\_\_\_\_

system 122 lm/W <sup>3</sup> \_\_\_\_\_

**Physical**

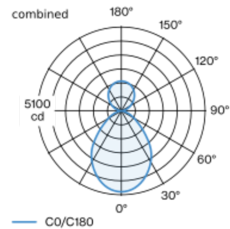
cable 1500 mm / canopy central \_\_\_\_\_

diameter 1560 mm | height 80 mm \_\_\_\_\_

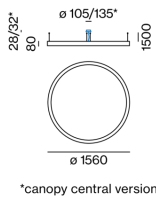
centerline radius 750 mm \_\_\_\_\_

14 kg \_\_\_\_\_

### Light distribution



### Product drawing



<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	4
B16	5
B20	7
C10	6
C13	7
C16	9
C20	11

### Acoustic accessories

#### MINO CIRCLE ACOUSTIC 1500 inlay

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
marble grey	1434	034-270211D
black	1434	034-270211L
white	1434	034-270211W
anthracite	1434	034-270211B
limestone	1434	034-270211S

