

MINO 60 CIRCLE 1000

direct / indirect

suspended
034-2213537Z



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Suspended _____

white , RAL9010 ¹ _____

IP20 _____

indirect 3010 lm _____

direct 5710 lm _____

total 8720 lm _____

LED

3000 K _____

CRI \geq 80 _____

L90 / 50000 h _____

photobio. safety RG 0 - no Risk _____

initial MacAdam \leq 3 SDCM _____

MR 0.56 _____

MDER 0.51 _____

Optical

Microprismatic _____

UGR $<$ 19 _____

PstLM \leq 1.0 ² _____

SVM \leq 0.4 ² _____

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; incl. feeder cable; surface white 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 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;

Electrical

DALI-2 _____

76 W _____

PC1 220-240V _____

115 lm/W _____

5 DALI Addr. _____

Physical

cable 1500 mm _____

diameter 1060 mm _____

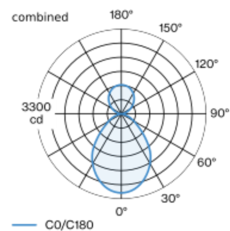
height 80 mm _____

centerline radius 500 mm _____

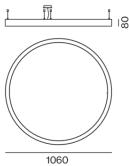
8 kg _____

¹ RAL code ² Value of containing product at full load (undimmed)

Light distribution



Product drawing



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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

^a 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

