

MINO 60 S CIRCLE

1500 direct / indirect

suspended

034-7211538H



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

black , RAL9005 ¹

IP20

indirect 5100 lm

direct 9010 lm

total 14110 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

High Performance Opal

PstLM \leq 1.0 ²

SVM \leq 0.4 ²

Electrical

DALI-2

119 W

PC1 220-240V

119 lm/W

5 DALI Addr.

Physical

cable 1500 mm

length 1560 mm

width 60 mm

height 60 mm

centerline radius 750 mm

13 kg

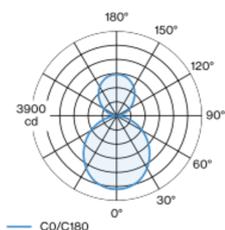
¹ RAL code ² Value of containing product at full load (undimmed)

Lighting calculator

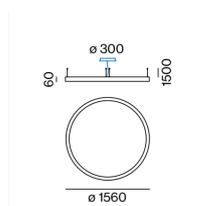


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; flat design; suspended luminaire with 1500mm cable suspension; height adjustment without tools; incl. feeder cable; surface black powder coated; extruded profile for improved thermal management; light colour 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; 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;

Light distribution



Product drawing



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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	4
B16	5
B20	7
C10	6
C13	8
C16	10
C20	12