

MINO 60 CIRCLE 3000 direct

ceiling

034-2114537H



Project / Type _____

Notes _____

Count / Date _____



Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suitable for ceiling mounting; surface pure white 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; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



General

Ceiling | Surface _____

pure white | RAL 9010 _____

IP20 _____

21200 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 $\leq 1.0^{1\ 2}$ | SVM $\leq 0.4^{1\ 2}$ _____

Electrical

DALI-2 | 8 DALI Addr. _____

PC1 | 220-240 V _____

system 167 W _____

system 127 lm/W ³ _____

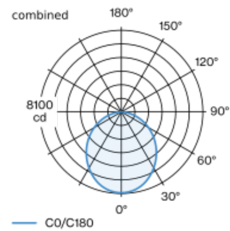
Physical

diameter 3060 mm | height 80 mm _____

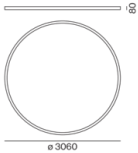
centerline radius 1500 mm _____

24.9 kg _____

Light distribution



Product drawing



¹ combined ² Value of containing product at full load (undimmed)
³ 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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

^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	2
B13	2
B16	3
B20	4
C10	3
C13	4
C16	5
C20	7

