

MINO 60 CIRCLE 3000

direct

ceiling
034-2114637H



Project / Type _____

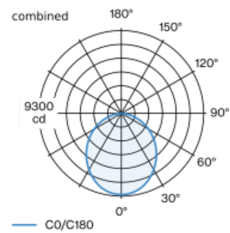
Notes _____

Count / Date _____

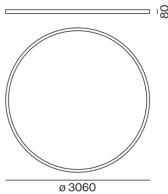


Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; suitable for ceiling mounting; surface white powder coated; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Ceiling , Surface _____

white , RAL9010 ¹ _____

IP20 _____

24100 lm _____

LED

4000 K _____

CRI ≥ 80 _____

L90 / 50000 h _____

photobio. safety RG 0 - no Risk _____

initial MacAdam ≤ 3 SDCM _____

MR 0.72 _____

MDER 0.65 _____

Optical

High Performance Opal _____

opal (lambertsch) _____

PstLM ≤ 1.0 ² _____

SVM ≤ 0.4 ² _____

Electrical

DALI-2 _____

system 167 W _____

PC1 220-240V _____

system 144 lm/W³ _____

8 DALI Addr. _____

Physical

diameter 3060 mm _____

height 80 mm _____

centerline radius 1500 mm _____

25.2 kg _____

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)

Installation instructions



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

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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

