

# MINO 60 CIRCLE 1500

direct / indirect

suspended

034-221163GH



Project / Type

Notes

Count / Date



## General

Ceiling , Suspended

grey , RAL 9006 <sup>1</sup>

IP20

indirect 5490 lm

direct 12000 lm

total 17500 lm

## LED

4000 K

CRI  $\geq$  80

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

MR 0.72

MDER 0.65

## Optical

High Performance Opal

opal (lambertsch)

PstLM  $\leq$  1.0<sup>2</sup> <sup>3</sup>

SVM  $\leq$  0.4<sup>2</sup> <sup>3</sup>

## Electrical

DALI-2

220-240 V

system 114 W

system 154 lm/W<sup>4</sup>

PC1

5 DALI Addr.

## Physical

cable 1500 mm

diameter 1560 mm

height 80 mm

centerline radius 750 mm

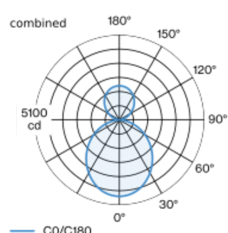
13 kg

<sup>1</sup> RAL code <sup>2</sup> combined

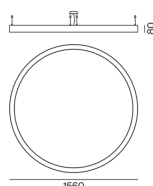
<sup>3</sup> Value of containing product at full load (undimmed)

<sup>4</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## Light distribution



## Product drawing



## 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	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 Faktor	

<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

