

# INO 1200 circle

suspended  
034-344453GH



Project / Type

Notes

Count / Date



### General

Ceiling , Suspended

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

IP20

indirect 2660 lm

direct 2660 lm

total 5320 lm

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 91 , R<sub>(1-15)</sub>: 89

MR 0.61

MDER 0.55

### Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0<sup>2 3</sup>

SVM ≤ 0.4<sup>2 3</sup>

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; surface grey powder coated; suspended luminaire with 2000mm cable suspension (canopy central); height adjustment without tools; incl. transparent feed; electronic operating unit installed in the canopy; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; inwards facing emission characteristics; direct/indirect light emission for additional accentuation of the ceiling; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP20; PC1; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Electrical

DALI-2

220-240 V

system 50 W

system 106 lm/W<sup>4</sup>

PC1

1 DALI Addr.

### Physical

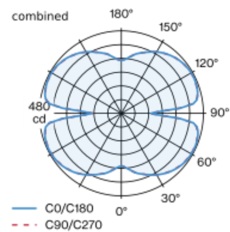
cable 2000 mm

diameter 1165 mm

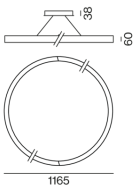
height 60 mm

4.4 kg

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> combined  
<sup>3</sup> Value of containing product at full load (undimmed)  
<sup>4</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Installation instructions



### Lighting calculator



# INO 1200 circle

suspended  
034-344453GH



Project / Type

Notes

Count / Date

## 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	10
B13	13
B16	16
B20	21
C10	16
C13	21
C16	26
C20	35

## Acoustic accessories

### INO 1200 circle acoustic luminaire mounted

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
marble grey	1050	034-370411D
felt grey	1050	034-370411G
black	1050	034-370411L
white	1050	034-370411W
acoustic special colours	1050	034-370411X

