

INO 1200 circle

suspended

034-344453XH



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

special colours

IP20

indirect 2660 lm

direct 2660 lm

total 5320 lm

LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_f: 91 , R₍₁₋₁₅₎: 89

MR 0.61

MDER 0.55

Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0^{1 2}

SVM ≤ 0.4^{1 2}

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; surface special colours 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

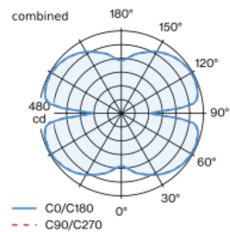
system 50 W

system 106 lm/W³

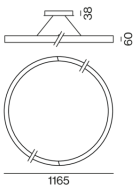
PC1

1 DALI Addr.

Light distribution



Product drawing



Physical

cable 2000 mm

diameter 1165 mm

height 60 mm

4.4 kg

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



Lighting calculator



INO 1200 circle

suspended
034-344453XH



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 ^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	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

