

INO 1200 circle

suspended

034-3444638H



Project / Type
Notes
Count / Date



General

Ceiling , Suspended
black , RAL 9005 ¹
IP20
indirect 2550 lm
direct 2550 lm
total 5100 lm

LED

4000 K
CRI ≥ 90
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 99 , R _f : 92 , R ₍₁₋₁₅₎ : 90
MR 0.81
MDER 0.74

Optical

High Performance Opal
opal (lambertsch)
PstLM ≤ 1.0 ^{2 3}
SVM ≤ 0.4 ^{2 3}

Electrical

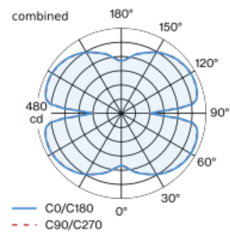
DALI-2
220-240 V
system 50 W
system 102 lm/W ⁴
PC1
1 DALI Addr.

Physical

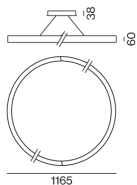
cable 2000 mm
diameter 1165 mm
height 60 mm
4.4 kg

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; surface black 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 4000 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;

Light distribution



Product drawing



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

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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	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	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

