



INO 1200 circle suspended

034-3414538H

PROJECT

TYPE

NOTES

QUANTITY

DATE

GENERAL

Ceiling

Suspended

black

10700 lm/m

IP20

indirect 2910 lm

direct 2910 lm

total 5820 lm

RAL9005 ^a

LED

3000 K

CRI ≥ 80

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial ≤ 3 MacAdam

OPTICAL

High Performance Opal

PHYSICAL

Cable 2000 mm

diameter 1165 mm

height 60 mm

4.4 kg

ELECTRICAL

DALI-2

51 W

114 lm/W

1 DALI Addr.

PC1 220-240V

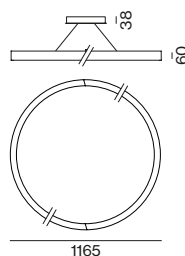
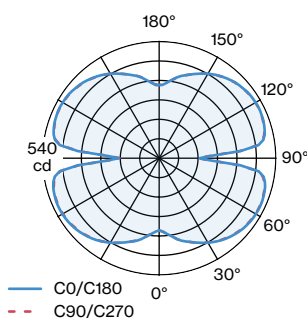
94 W/m

^a RAL Palette colors may deviate slightly due to production conditions.



Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; surface black powder coated; suspended luminaire with 2000mm cable suspension; height adjustment without tools; incl. transparent feed; electronic operating unit installed in the canopy; light colour 3000 K; Binning initial ≤ 3 MacAdam; 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; due to special material composition with increased transmission and diffusion; + 15% luminous efficiency compared to standard opal covers; 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 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 Distribution





INO 1200 circle suspended

034-3414538H

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

Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.95	0.93	0.91	0.9
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	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.