

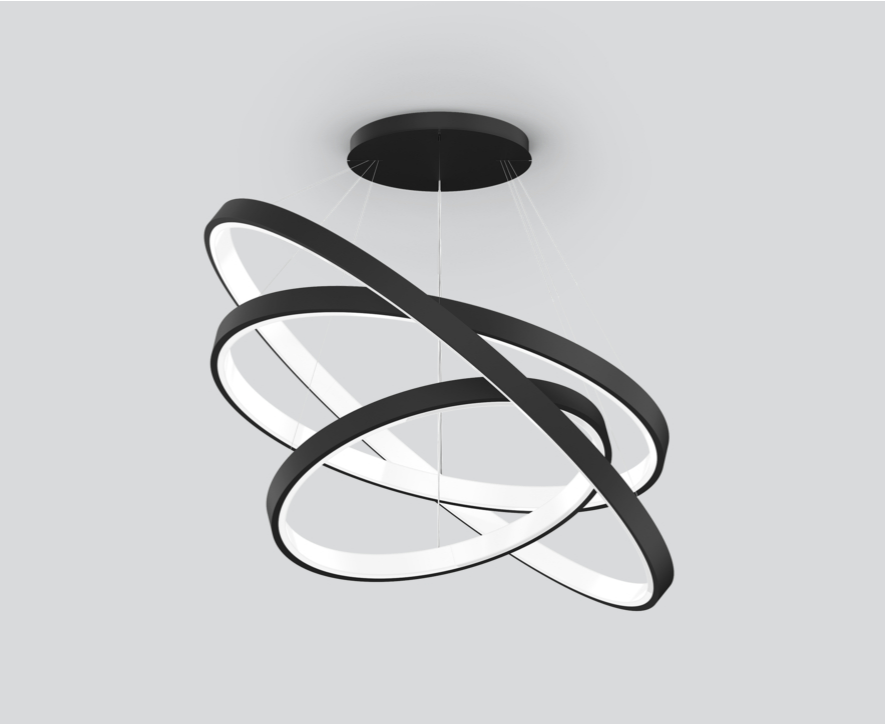
INO TRIPLE circle

suspended

034-3845538H



Project / Type	
Notes	
Count / Date	



3 pcs. ring-shaped light fittings in rolled and seamlessly welded extruded aluminium profile; surface black powder coated; suspended luminaire with 5000mm cable suspension (canopy central); height adjustment without tools; light fitting individually height adjustable; incl. transparent feed; 3 pcs. electronic operating units 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. 3 pcs. DALI-2 converters; light fitting separately controllable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Product drawing



General

Ceiling , Suspended	
black , RAL 9005 ¹	
IP20	
direct 14600 lm	
total 17500 lm	

LED

3000 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R _g : 99 , R _r : 91 , R _{t(1-15)} : 89	
MR 0.61	
MDER 0.55	

Optical

High Performance Opal	
opal (lambertsch)	
PstLM ≤ 1.0 ²	
SVM ≤ 0.4 ²	

Electrical

DALI-2	
220-240 V	
system 150 W	
PC1	
3 DALI Addr.	

Physical

cable 5000 mm	
diameter 1455 mm	
height 60 mm	
5.4 kg	

¹ RAL code ² Value of containing product at full load (undimmed)

Installation instructions



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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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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	2
B13	3
B16	4
B20	5
C10	4
C13	6
C16	7
C20	9

