

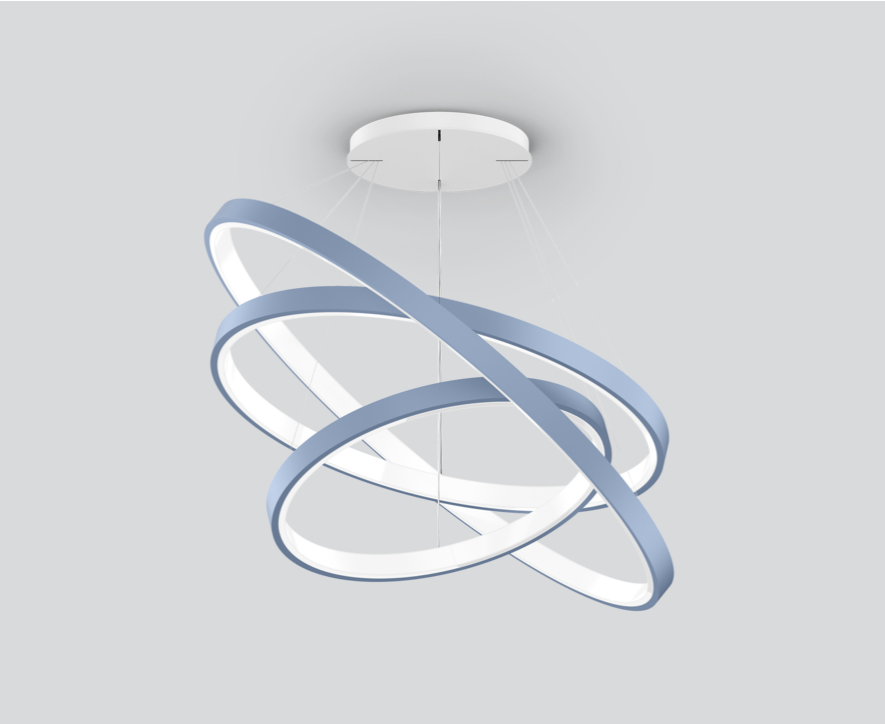
# INO TRIPLE circle

suspended

034-384543XH



Project / Type	
Notes	
Count / Date	



3 pcs. ring-shaped light fittings in rolled and seamlessly welded extruded aluminium profile; surface special colours 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 2700 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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	
special colours	
IP20	
direct 15200 lm	
total 18000 lm	

### LED

2700 K	
CRI $\geq 90$	
L90 / 50000 h	
initial MacAdam $\leq 3$ SDCM	
R <sub>g</sub> : 101 , R <sub>f</sub> : 90 , R <sub>f(1-15)</sub> : 88	
MR 0.51	
MDER 0.46	

### Optical

High Performance Opal	
opal (lambertsch)	
PstLM $\leq 1.0$ <sup>1</sup>	
SVM $\leq 0.4$ <sup>1</sup>	

### 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	

<sup>1</sup> 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<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

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

