

# INO TRIPLE circle

suspended

034-3845637H



Project / Type

Notes

Count / Date



3 pcs. ring-shaped light fittings in rolled and seamlessly welded extruded aluminium profile; surface white 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 4000 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

white | RAL 9010 <sup>1</sup>

IP20

direct 18100 lm

total 21900 lm

### LED

4000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 92 | R<sub>f(1-15)</sub>: 90

MR 0.81 | MDER 0.74

### Optical

High Performance Opal | opal (lambertsch)

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

### Electrical

DALI-2 | 3 DALI Addr.

PC1 | 220-240 V

system 150 W

### Physical

cable 5000 mm

diameter 1455 mm | height 60 mm

<sup>1</sup> RAL code <sup>2</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		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

<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

