

TUBIN 60 suspended

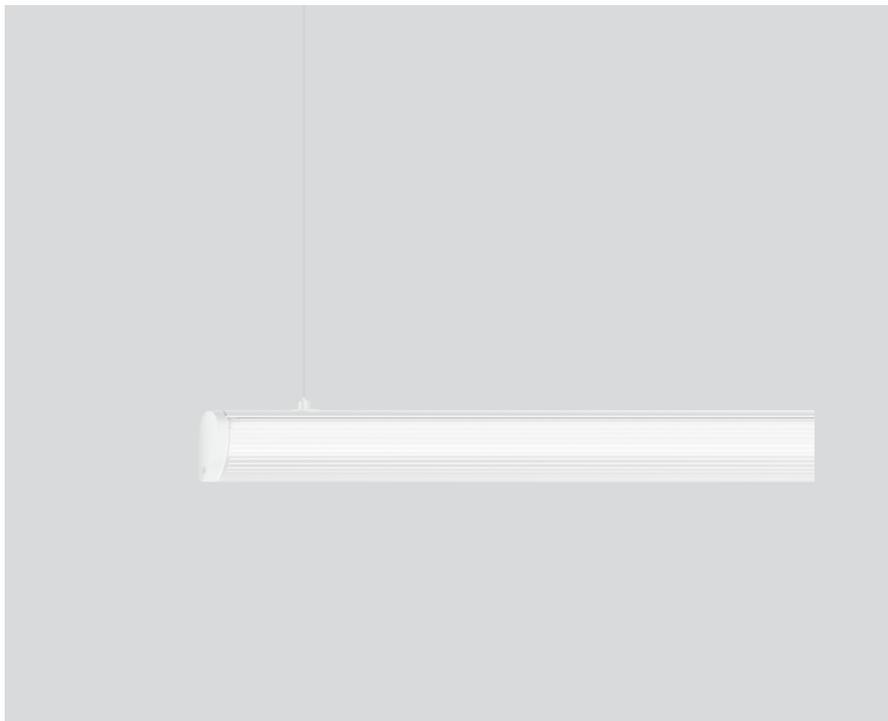
058-5214637C



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Suspended _____
white , RAL9010 ¹ _____
3280 lm/m _____
IP20 _____
3870 lm _____

LED

4000 K _____
CRI ≥ 80 _____
L90 / 50000 h _____
initial MacAdam ≤ 3 SDCM _____
MR 0.72 _____
MDER 0.65 _____

Optical

Clear Cover _____
PstLM ≤ 1.0 ² _____
SVM ≤ 0.4 ² _____

Electrical

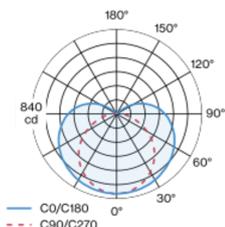
DALI-2 _____
27.9 W _____
PC1 220-240V _____
139 lm/W _____
24 W/m _____

Physical

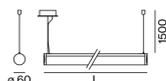
length 1210 mm _____
width 60 mm _____
height 60 mm _____

Carrier profile made of extruded aluminium profile; light-tight end caps in aluminium; converter integrated into luminaire housing; surface white powder coated; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; freely positioned attachment to the luminaire; incl. feed (white); canopy for through wiring; light control via high quality lens system for maximum, homogeneous illumination; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; clear, cylindrical cover with linear prismatic optic; with gentle ceiling illumination; degree of protection IP20; PC1 220-240V; 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 Value of containing product at full load (undimmed)

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	15
B13	19
B16	24
B20	30
C10	24
C13	32
C16	40
C20	49