

BETO direct / indirect power

suspended

074-6246537B



Project / Type

Notes

Count / Date



Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm); light tight final end caps made of aluminium; no visible screws; angular design; surface white powder coated; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; freely positionable; incl. feed (white); extruded profile for improved thermal management; high gloss reflector with faceted design; Reflector dark chrome; direct/indirect illumination characteristic; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500$ cd/m²; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



General

Ceiling | Suspended

white | RAL 9010 ¹

Reflector dark chrome

IP20

indirect 3450 lm | direct 2320 lm

total 5770 lm

4820 lm/m

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.56 | MDER 0.51

Optical

Reflector | symmetric

UGR ≤ 13 | $\geq 65^\circ < 1500$ cd/m²

PstLM $\leq 1.0^2$ ³ ⁴ | SVM $\leq 0.4^2$ ³ ⁴

Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 49 W

system 118 lm/W ⁵

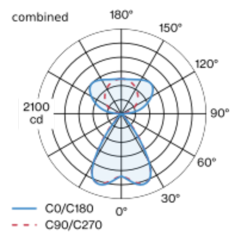
41 W/m

Physical

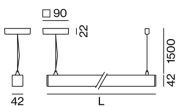
length 1857 mm | width 42 mm | height 42 mm

3 kg

Light distribution



Product drawing



¹ RAL code ² combined ³ segment
⁴ Value of containing product at full load (undimmed)
⁵ incl. consideration of optical losses, internal control unit losses & operating device efficiency

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

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Factor

^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	13
B13	17
B16	21
B20	26
C10	21
C13	28
C16	35
C20	43

