

BETO linear blackboard direct / indirect

suspended system
074-7749538R



Project / Type _____
Notes _____
Count / Date _____



General

Ceiling , Suspended _____
black , RAL 9005 ¹ _____
Reflector chrome _____
IP20 _____
indirect 7590 lm _____
direct 7530 lm _____
total 15120 lm _____

LED

3000 K _____
CRI ≥ 80 _____
L90 / 50000 h _____
initial MacAdam ≤ 3 SDCM _____
MR 0.54 _____
MDER 0.49 _____

Optical

Reflector _____
wallwasher floor _____
PstLM ≤ 1.0^{2 3} _____
SVM ≤ 0.4^{2 3} _____

Electrical

DALI-2 _____
220-240 V _____
system 120 W _____
system 126 lm/W⁴ _____
PC1 _____
2 DALI Addr. _____

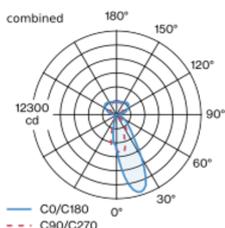
Physical

length 3400 mm _____
width 42 mm _____
height 42 mm _____
5.6 kg _____

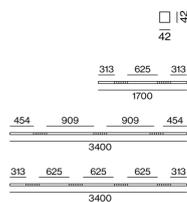
¹ RAL code ² combined
³ Value of containing product at full load (undimmed)
⁴ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm) linear; converter integrated into luminaire housing; no visible screws; angular design; for lighting systems; surface black powder coated; for suspended mounting (1500 mm cable suspension as an accessory); with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; extruded profile for improved thermal management; 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; high quality reflector with micro-faceted, aluminum-vaporised surface; asymmetrical light distribution with precise radiation characteristic; direct/indirect illumination characteristic; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination, separately controllable; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.95	0.95	0.94	0.93
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 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	4
B13	6
B16	7
B20	9
C10	7
C13	10
C16	12
C20	15

MOUNTING

END CAPS

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	30-42-42	074-6090017
jet black	30-42-42	074-6090018



LINEAR CONNECTOR

ARTICLE NUMBER(S)
074-6091120

CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	005-2152110



CANOPY / FEEDER CABLE

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
5 x 1,5 mm ²	pure white	90-90-22	005-2212417
5 x 1,5 mm ²	jet black	90-90-22	005-2212418



THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
5 x 1,5 mm ² 10 pieces	004-90005



CORNER CONNECTOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
90° incl. through wire 5 x 1,5 mm ²	pure white	250-250-42	074-6091217
90° incl. through wire 5 x 1,5 mm ²	jet black	250-250-42	074-6091218



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OPTICAL

BLIND COVER

TYPE	COLOUR	ARTICLE NUMBER(S)
250 mm	traffic white	074-6099107
250 mm	jet black	074-6099108
500 mm	traffic white	074-6099117
500 mm	jet black	074-6099118