

# BETO linear direct / indirect TW power

suspended system

074-60D9578R



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Suspended \_\_\_\_\_

black , RAL9005 <sup>1</sup> \_\_\_\_\_

Reflector chrome \_\_\_\_\_

IP20 \_\_\_\_\_

indirect 7020 lm \_\_\_\_\_

direct 6690 lm \_\_\_\_\_

total 13710 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI  $\geq$  80 \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq$  3 SDCM \_\_\_\_\_

MR 0.44 \_\_\_\_\_

MDER 0.49 \_\_\_\_\_

## Optical

Reflector \_\_\_\_\_

symmetric \_\_\_\_\_

UGR  $<$  13 ,  $\geq$ 65°  $<$ 1500 cd/m<sup>2</sup> \_\_\_\_\_

## Electrical

DALI daylight & movement sensor \_\_\_\_\_

109 W \_\_\_\_\_

PC1 220-240V \_\_\_\_\_

126 lm/W \_\_\_\_\_

3 DALI Addr. \_\_\_\_\_

## Physical

length 3400 mm \_\_\_\_\_

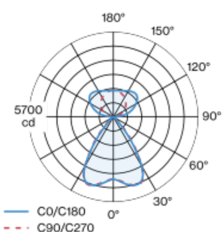
width 42 mm \_\_\_\_\_

height 42 mm \_\_\_\_\_

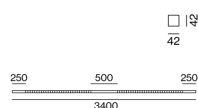
5.2 kg \_\_\_\_\_

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 tool-less suspension height adjustment; spring clip attachment to the luminaire; extruded profile for improved thermal management; light colour direct light component: 3000 K; light colour indirect light component: tunable white diodes (2700-6500 K); binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high gloss reflector with faceted design; Reflector chrome; UGR  $\leq$  13; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq$  1500 cd/m<sup>2</sup>; 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 220-240V; internal wiring in light halogen free; incl. DALI-2 converter; luminaire with integrated DALI-1 infrared presence and brightness sensor (DALI signal required); automatic light control of luminaire to individually adjustable brightness; variable automatic shutdown; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



<sup>1</sup> RAL code

## 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	0.95	0.93	0.91	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 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	5
B13	7
B16	9
B20	11
C10	9
C13	12
C16	15
C20	19

## 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

