

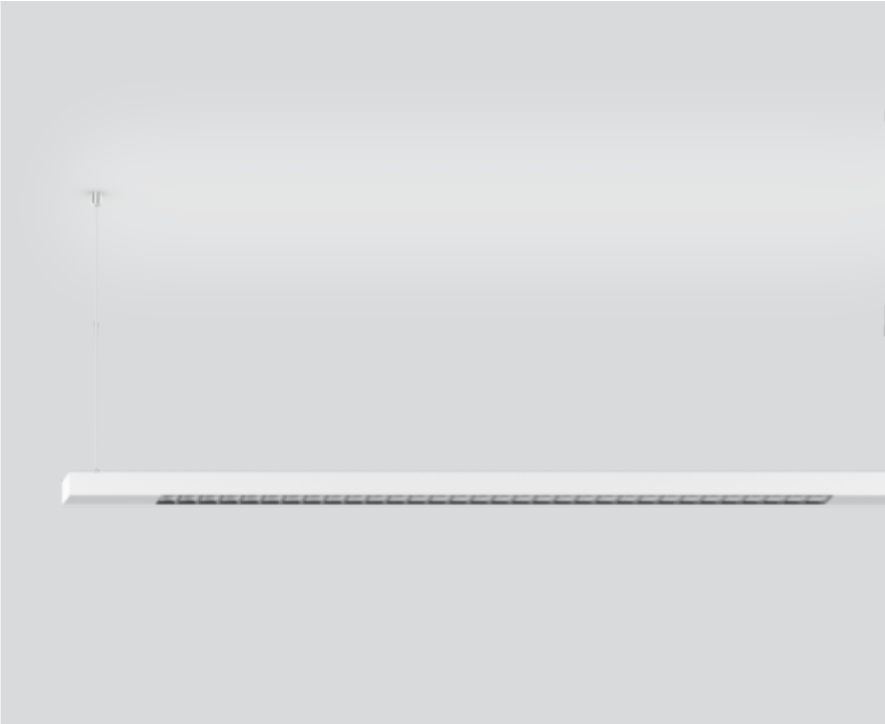
**BETO** linear direct / indirect  
power  
suspended system  
074-6039577B



Project / Type

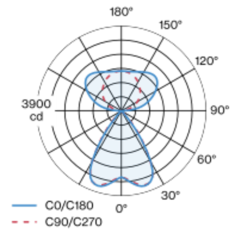
Notes

Count / Date

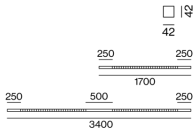


Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm) linear; converter integrated into luminaire housing; no visible screws; angular design; for lighting systems; surface white powder coated; for suspended mounting (1500 mm cable suspension as an accessory); with 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  $\leq 3$  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 dark chrome; UGR  $\leq 10$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500$  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; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; luminaire with integrated DALI-2 infrared presence and brightness sensor (DALI-2 controller 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**



**General**

Ceiling , Suspended  
white , RAL 9010 <sup>1</sup>  
Reflector dark chrome  
IP20  
indirect 7330 lm  
direct 4540 lm  
total 11870 lm

**LED**

3000 K  
CRI  $\geq 80$   
L90 / 50000 h  
initial MacAdam  $\leq 3$  SDCM  
MR 0.56  
MDER 0.51

**Optical**

Reflector  
symmetric  
UGR  $\leq 10$  ,  $\geq 65^\circ < 1500$  cd/m<sup>2</sup>  
PstLM  $\leq 1.0$  <sup>2</sup>  
SVM  $\leq 0.4$  <sup>2</sup>

**Electrical**

DALI-2 sensor  
220-240 V  
system 95 W  
system 125 lm/W<sup>3</sup>  
PC1  
3 DALI Addr.

**Physical**

length 3400 mm  
width 42 mm  
height 42 mm  
5.2 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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	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

## 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 <sup>2</sup>	pure white	90-90-22	005-2212417
5 x 1,5 mm <sup>2</sup>	jet black	90-90-22	005-2212418



### THROUGH WIRE

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



### CORNER CONNECTOR

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



[074-6039577B] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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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

