

# BETO curve 400 | 180° direct / indirect power

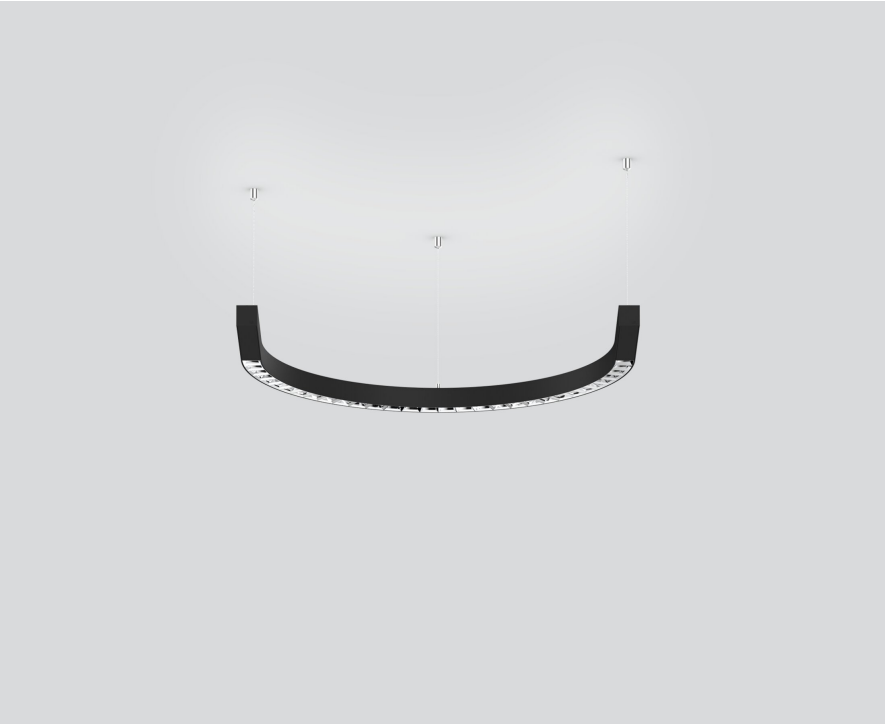
suspended system  
074-7132638R



Project / Type

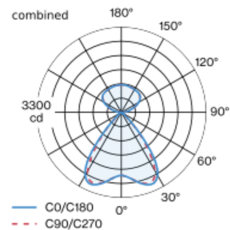
Notes

Count / Date

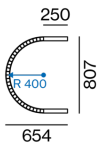


Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm); CURVE segment design 180°; converter integrated into luminaire housing; no visible screws; angular design; for lighting systems; surface jet black powder coated; for suspended mounting (1500 mm cable suspension 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 4000 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;  $UGR \leq 16$ ; 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; 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

jet black | RAL 9005 <sup>1</sup>

Reflector chrome

IP20

indirect 4510 lm | direct 3610 lm

total 8120 lm

## LED

4000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.72 | MDER 0.65

## Optical

Reflector | symmetric

$UGR \leq 16$  |  $\geq 65^\circ < 1500$  cd/m<sup>2</sup>

$P_{stLM} \leq 1.0^2$  <sup>3 4</sup> |  $SVM \leq 0.4^2$  <sup>3 4</sup>

## Electrical

DALI-2 | 2 DALI Addr.

PC1 | 220-240 V

system 53 W

system 153 lm/W <sup>5</sup>

## Physical

length 654 mm | width 807 mm | height 42 mm

centerline radius 400 mm

segment 180°

2.7 kg

<sup>1</sup> RAL code <sup>2</sup> combined <sup>3</sup> segment  
<sup>4</sup> Value of containing product at full load (undimmed)  
<sup>5</sup> 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 Factor	

<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.

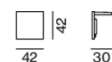
## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	15
B13	20
B16	25
B20	31
C10	26
C13	33
C16	42
C20	52

## 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 incl. cable suspension

TYPE	ARTICLE NUMBER(S)
mechanical	074-6091120

### CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	005-2152110

### CANOPY

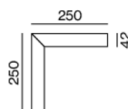
COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	90-90-22	005-2212417
jet black	90-90-22	005-2212418

### THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
10 pieces	004-90005

### CORNER CONNECTOR 90°

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
incl. through wire 5 × 1.5 mm <sup>2</sup>	pure white	250-250-42	074-6091217
incl. through wire 5 × 1.5 mm <sup>2</sup>	jet black	250-250-42	074-6091218



[074-7132638R] 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

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

