

BETO s-line 225 L direct / indirect power

suspended system

074-7231537B



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

white , RAL 9010 ¹

Reflector dark chrome

IP20

indirect 3960 lm

direct 2270 lm

total 6230 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.56

MDER 0.51

Optical

Reflector

symmetric

UGR ≤ 13 , ≥ 65° < 1500 cd/m²

PstLM ≤ 1.0^{2 3}

SVM ≤ 0.4^{2 3}

Electrical

DALI-2

220-240 V

system 53 W

system 118 lm/W⁴

PC1

2 DALI Addr.

Physical

length 1641 mm

width 265 mm

height 42 mm

centerline radius 400 mm

¹ RAL code ² combined

³ Value of containing product at full load (undimmed)

⁴ 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

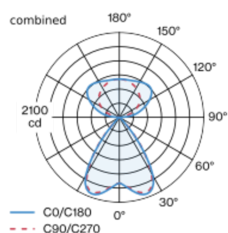


Lighting calculator

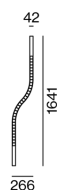


Luminaire housing made of extruded aluminium profile; extremely slim design (only 42 x 42 mm) S-shaped; converter integrated into luminaire housing; no visible screws; angular design; for lighting systems; surface white powder coated; for suspended mounting (1500 mm cable suspension as an accessory); 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 ≤ 3 SDCM; CRI ≥ 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 ≤ 13; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m²; 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



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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 ^a | Room Surface Maintenance Factor | |
| MF | Maintenance Factor | | LLMF | Lamp Lumens Maintenance Factor | |
| LMF ^a | Luminaire Maintenance Factor | | LSF | Lamp Survival Faktor | |

^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 | 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

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 |



[074-7231537B] 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 |

