

BETO linear direct / indirect power

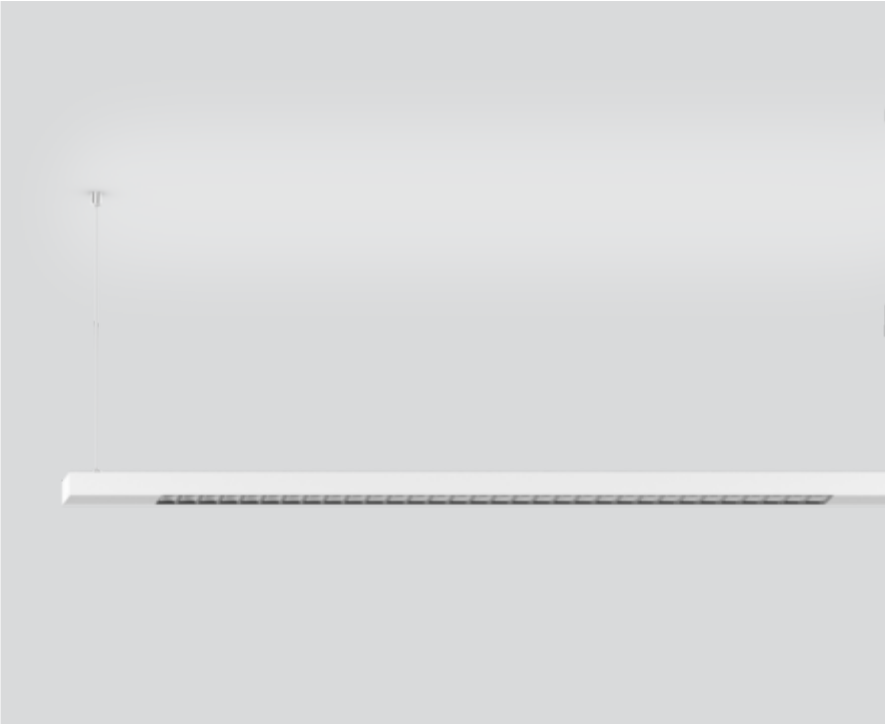
suspended system
074-6036637B



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 4000 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 $65^\circ \leq 1500$ 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;



General

Ceiling | Suspended

white | RAL 9010 ¹

Reflector dark chrome

IP20

indirect 4220 lm | direct 2580 lm

total 6800 lm

LED

4000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.72 | MDER 0.65

Optical

Reflector | symmetric

UGR ≤ 13 | $\geq 65^\circ < 1500$ cd/m²

Electrical

DALI-2 | 2 DALI Addr.

PC1 | 220-240 V

system 51 W

system 133 lm/W ²

Physical

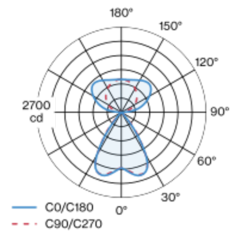
length 1700 mm | width 42 mm | height 42 mm

2.6 kg

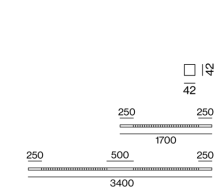
¹ RAL code

² incl. consideration of optical losses, internal control unit losses & operating device efficiency

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 | 0.98 | 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 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 | 15 |
| B13 | 20 |
| B16 | 25 |
| B20 | 31 |
| B25 | 39 |
| C10 | 26 |
| C13 | 33 |
| C16 | 42 |
| C20 | 52 |
| C25 | 65 |

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

| 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

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|------------|-------------------|
| 90° | pure white | 250-250-42 | 074-6091217 |
| 90° | jet black | 250-250-42 | 074-6091218 |



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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 |

