

BETO direct / indirect

free standing U-shape

074-694411XB



Project / Type

Notes

Count / Date



General

Floor | Standing

special colours

Reflector dark chrome

IP20

indirect 4690 lm | direct 1230 lm

total 5920 lm

LED

4000 K

CRI \geq 90

L90 / 50000 h

initial MacAdam \leq 3 SDCM

R_g: 99 | R_f: 92 | R_{f(1-15)}: 90

MR 0.81 | MDER 0.74

Optical

Reflector | asymmetric

UGR \leq 10

PstLM \leq 1.0¹ | SVM \leq 0.4¹

Electrical

touch DIM on pole

PC1 | 220-240 V

system 51 W

system 116 lm/W²

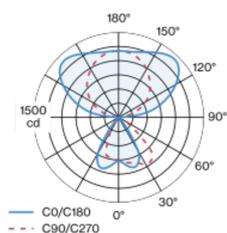
Physical

U-shape

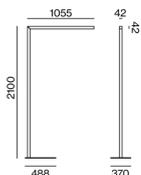
length 1055 mm | width 42 mm | height 2100 mm

Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 x 42 mm); square downpipe; pedestal with recess for table base (U-shape); surface special colours powder coated; direct/indirect illumination characteristic; direct light component with high gloss reflector + faceted design and asymmetric radiation characteristic; Reflector dark chrome; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; UGR \leq 10; light colour 4000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; including TOUCH DIM control for individual control of the brightness; incl. connection cable (3m) with safety plug; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



¹ Value of containing product at full load (undimmed)

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

Installation instructions



BETO direct / indirect

free standing U-shape

074-694411XB



Project / Type

Notes

Count / Date

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 | 13 |
| B13 | 17 |
| B16 | 21 |
| B20 | 26 |
| C10 | 21 |
| C13 | 28 |
| C16 | 35 |
| C20 | 43 |