

BETO direct / indirect

free standing U-shape

074-6944018B



Project / Type

Notes

Count / Date



General

Floor , Standing

black , RAL 9005 ¹

Reflector dark chrome

IP20

indirect 4340 lm

direct 1140 lm

total 5480 lm

LED

3000 K

CRI \geq 90

L90 / 50000 h

initial MacAdam \leq 3 SDCM

R_g: 99 , R_r: 91 , R₍₁₋₁₅₎: 89

MR 0.61

MDER 0.55

Optical

Reflector

asymmetric

UGR \leq 10

PstLM \leq 1.0 ²

SVM \leq 0.4 ²

Electrical

touch DIM on pole

220-240 V

system 51 W

system 107 lm/W³

PC1

Physical

U-shape

length 1055 mm

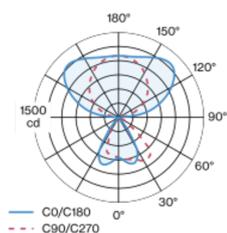
width 42 mm

height 2100 mm

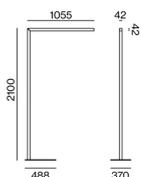
¹ RAL code ² Value of containing product at full load (undimmed)

³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

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