

BETO circle 1600 direct / indirect power

suspended

074-7444537B



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

white , RAL 9010 ¹

Reflector dark chrome

IP20

indirect 12200 lm

direct 9170 lm

total 21370 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.56

MDER 0.51

Optical

Reflector

symmetric

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

PstLM $\leq 1.0^2$ ³

SVM $\leq 0.4^2$ ³

Electrical

DALI-2 D/I separately controllable

220-240 V

system 172 W

system 124 lm/W⁴

PC1

2 DALI Addr.

Physical

diameter 1569 mm

height 42 mm

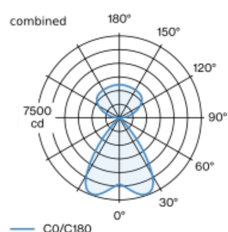
9 kg

¹ RAL code ² combined

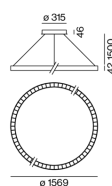
³ Value of containing product at full load (undimmed)

⁴ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



[074-7444537B] 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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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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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	3
B13	4
B16	5
B20	6
C10	5
C13	6
C16	8
C20	10

