

# BETO circle 1600 direct

suspended

074-7404638R



Project / Type

Notes

Count / Date



## General

Ceiling , Suspended

black , RAL9005 <sup>1</sup>

Reflector chrome

IP20

14600 lm

## LED

4000 K

CRI  $\geq$  80

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

MR 0.72

MDER 0.65

## Optical

Reflector

Symmetric

UGR  $<$  19 ,  $\geq$ 65°  $<$ 1500 cd/m<sup>2</sup>

PstLM  $\leq$  1.0 <sup>2</sup>

SVM  $\leq$  0.4 <sup>2</sup>

## Electrical

DALI-2

91 W

PC1 220-240V

160 lm/W

1 DALI Addr.

## Physical

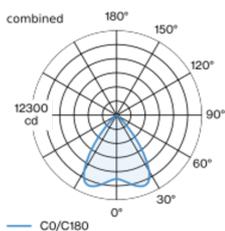
diameter 1569 mm

height 42 mm

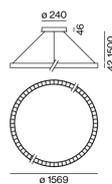
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

Ring-shaped light fitting in rolled and seamlessly welded extruded aluminium profile; extremely slim design (only 42 x 42 mm); suspended luminaire with 1500mm cable suspension (canopy central); with integrated tool-less suspension height adjustment; incl. transparent feed; extruded profile for improved thermal management; energy efficient LEDs with high CRI; high gloss reflector with faceted design; internal wiring in light halogen free; incl. converter, non dimmable; converter included in canopy;

## 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 <sup>a</sup>	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire Maintenance Factor	LSF	Lamp Survival Faktor

<sup>a</sup> 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	6
B13	8
B16	10
B20	12
C10	10
C13	13
C16	16
C20	20