

# BASO 40 opal suspended

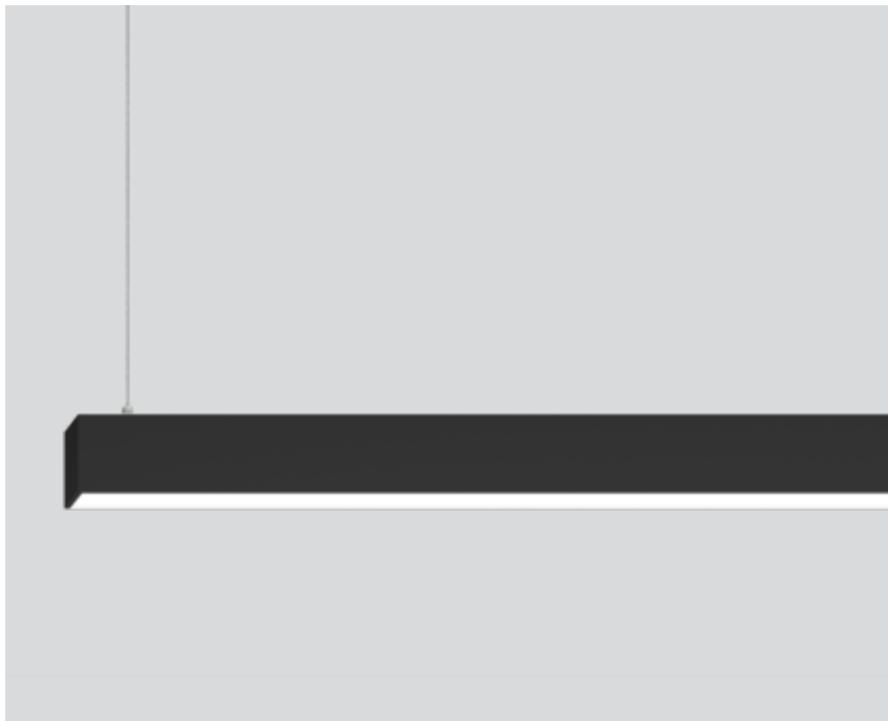
045-1222518H



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Suspended \_\_\_\_\_  
black , RAL 9005 <sup>1</sup> \_\_\_\_\_  
IP20 \_\_\_\_\_  
1330 lm \_\_\_\_\_  
2210 lm/m \_\_\_\_\_

## LED

3000 K \_\_\_\_\_  
CRI  $\geq$  80 \_\_\_\_\_  
L90 / 50000 h \_\_\_\_\_  
initial MacAdam  $\leq$  3 SDCM \_\_\_\_\_  
MR 0.54 \_\_\_\_\_  
MDER 0.49 \_\_\_\_\_

## Optical

High Performance Opal \_\_\_\_\_  
opal (lambertsch) \_\_\_\_\_  
PstLM  $\leq$  1.0 <sup>2</sup> \_\_\_\_\_  
SVM  $\leq$  0.4 <sup>2</sup> \_\_\_\_\_

## Electrical

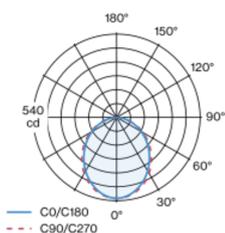
non DIM \_\_\_\_\_  
220-240 V \_\_\_\_\_  
system 13.7 W \_\_\_\_\_  
system 97 lm/W<sup>3</sup> \_\_\_\_\_  
PC1 \_\_\_\_\_  
23 W/m \_\_\_\_\_

## Physical

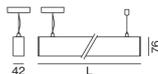
cable 1500 mm \_\_\_\_\_  
length 609 mm \_\_\_\_\_  
width 42 mm \_\_\_\_\_  
height 76 mm \_\_\_\_\_  
1.47 kg \_\_\_\_\_

Luminaire housing made of extruded aluminium profile; light tight final end caps made of aluminium; no visible screws; angular design; surface black powder coated; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; freely positionable; incl. transparent feed; luminaire profile with pre-assembled converter unit can be pre-mounted on site; remaining lamp components mounted without tools; light colour 3000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## 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	0.95	0.93	0.91	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	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36