

# BASO 40opal

trimless

045-0724630H



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

aluminium raw

2340 lm/m

IP20

2810 lm

### LED

4000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.72

MDER 0.66

### Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0<sup>1</sup>

SVM ≤ 0.4<sup>1</sup>

### Electrical

DALI-2

220-240 V

system 27.5 W

PC1

system 102 lm/W<sup>2</sup>

1 DALI Addr.

23 W/m

### Physical

trimless

length 1220 mm

width 40 mm

height 75 mm

2 kg

### Cutout

length 1208 mm

width 48 mm

min. ceiling thickness 8 mm

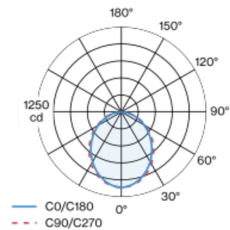
max. ceiling thickness 20 mm

recessed depth 76 mm

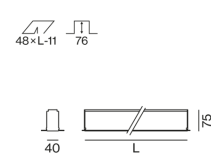
<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. optical losses and the efficiency of the operating device (converter)

Luminaire housing made of extruded aluminium profile; suitable for rimless installation in plasterboard ceilings; specially designed trim with grooves for better adhesion of smoothing compound; suitable for ceiling thickness of 8-20 mm; surface aluminium raw; luminaire profile with pre-assembled converter unit can be pre-mounted on site; remaining lamp components mounted without tools; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### 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	0.95	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	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

