

# DOC 180

wall

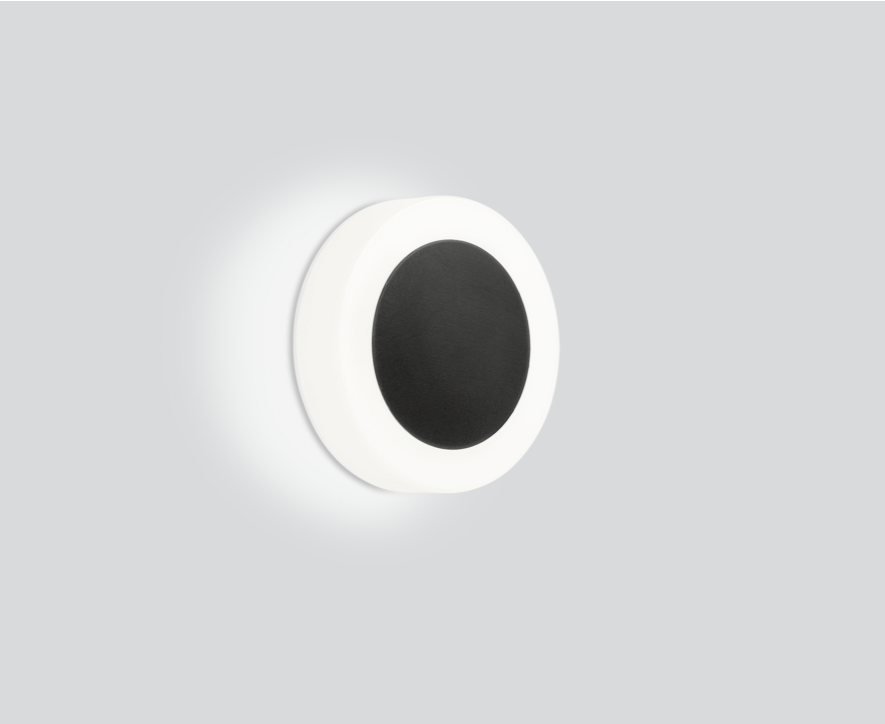
088-2710518



Project / Type

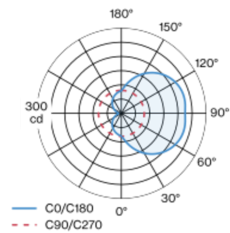
Notes

Count / Date

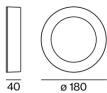


Round light fitting in die-cast aluminium; central decorative disc made of galvanized sheet steel attached by magnet; surface black powder coated; suitable for wall or ceiling mounting; opal cover for completely homogeneous illumination; with increased transmission and diffusion; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP54; with pressure equalisation valve; PC1; 220-240 V; shock resistance IK09; ambient temperatures from -20°C to + 50°C; suitable for through wiring; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



### General

Ceiling / Wall , Surface

black , RAL 9005 <sup>1</sup>

IP54

IK09

1340 lm

### LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.54

MDER 0.49

### Optical

opal (lambertsch)

### Electrical

non DIM

220-240 V

system 13.5 W

system 99 lm/W<sup>2</sup>

PC1

### Physical

diameter 180 mm

height 40 mm

0.9 kg

<sup>1</sup> RAL code  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Installation instructions



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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

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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	32
B13	42
B16	51
B20	55
C10	64
C13	83
C16	102
C20	109

