

DOC 180

wall

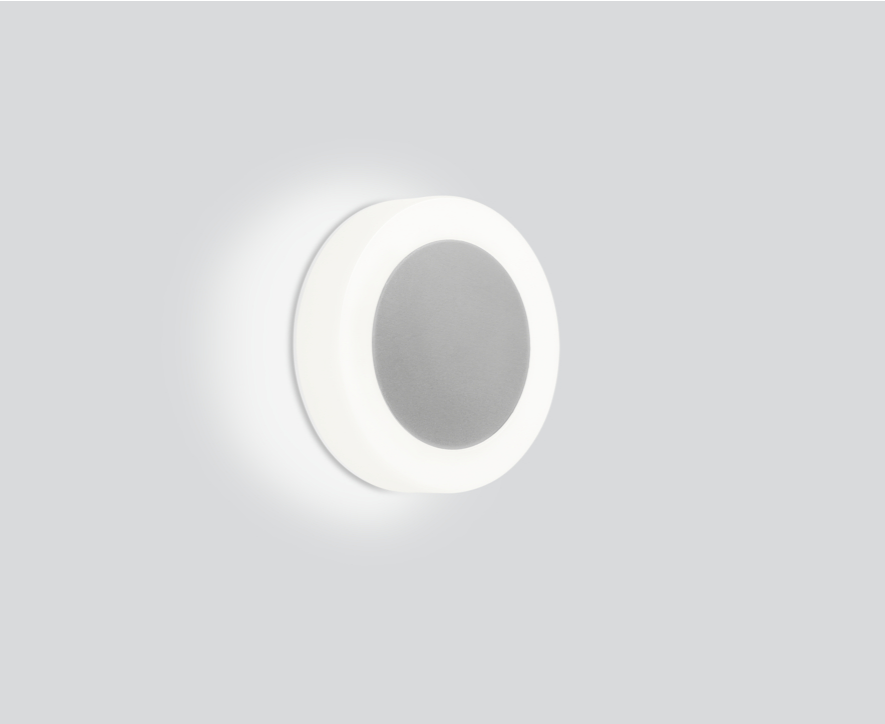
088-271051D



Project / Type

Notes

Count / Date



General

Ceiling / Wall , Surface

dark grey , RAL 9007 ¹

IP54

IK09

1340 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

Optical

opal (lambertsch)

Electrical

non DIM

220-240 V

system 13.5 W

system 99 lm/W²

PC1

Physical

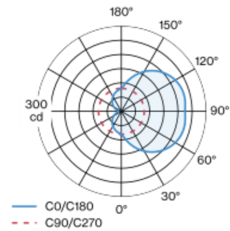
diameter 180 mm

height 40 mm

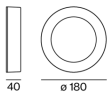
0.9 kg

Round light fitting in die-cast aluminium; central decorative disc made of galvanized sheet steel attached by magnet; surface dark grey 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 ≤ 3 SDCM; CRI ≥ 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



¹ RAL code
² 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



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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^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Faktor

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

