



PROJECT

TYPE

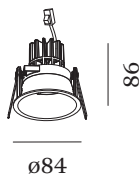
NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface White Matt; powder coated, matt texture; RAL 9010; installation without tools using wire springs; suitable for ceiling thickness of 4-38 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2000 K - 3000 K colour warm dimming; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; beam angle 38°; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling
Recessed
White Matt
RAL 9010 ^a
IP20
Interior
CIE flux code: 92 97 99 100
100

MEASURED DRIVERS

350mA
385 lm
8.4 W

500mA
565 lm
12.5 W

LED

colour warm dimming
2000 K - 3000 K
CRI ≥ 90
L70 / 50000h
initial MacAdam ≤ 3 SDCM

OPTICAL

Standard
beam angle 38°

ELECTRICAL

excl. driver
17 V
inset 6.1 9.0 W
Class 3

PHYSICAL

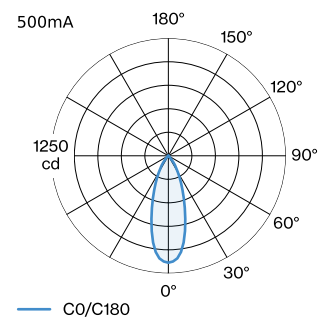
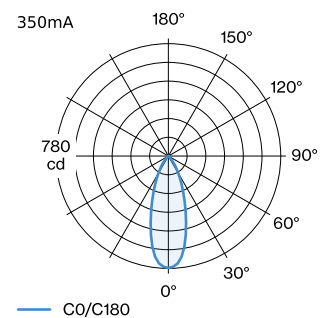
diameter 84 mm
height 86 mm
0.17 kg
wire springs

CUTOUT

diameter 76-79 mm
min. ceiling thickness 4 mm
max. ceiling thickness 38 mm
recessed depth 90 mm

^a Colour may deviate slightly due to production conditions.

LIGHT DISTRIBUTION





CONE DIAGRAM

standard 36° 350mA standard 36° 500mA

| h (m) | E0° (lx) | ø (m) | h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|-------|----------|-------|
| 1 | 777 | 0.64 | 1 | 1140 | 0.64 |
| 2 | 194 | 1.29 | 2 | 280 | 1.29 |
| 3 | 86 | 1.93 | 3 | 130 | 1.93 |
| 4 | 49 | 2.57 | 4 | 70 | 2.57 |
| 5 | 31 | 3.22 | 5 | 50 | 3.22 |

Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF | 0.94 | 0.87 | 0.81 | 0.76 | 0.71 |
| LSF | 1 | 1 | 1 | 1 | 1 |

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

^aAccording to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

ELECTRICAL ACCESSORIES

Driver

| Type | Voltage | L·W·H (MM) | Item number |
|--------------------------------------|---------|-------------|-------------|
| 10W 500mA 11-20V | 11-20V | 100-43-23 | 90214405 |
| 10W 500mA 13-20V | 13-20V | 65-39-20 | 90214406 |
| 10W 500mA 3-20V phase-cut dim | 3-20V | 102-49-29 | 90224402 |
| 10W 500mA 12-21V phase-cut dim | 12-21V | 115-41-25 | 90224403 |
| 20W 500mA 3-40V DALI | 3-40V | 116-40-5-22 | 90244604 |
| 24W 500mA 6-49V DALI-2 | 6-49V | 143-43-30 | 90244701 |