



## PROJECT

## TYPE

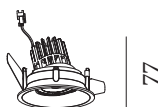
## NOTES

## QUANTITY

## DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt; powder coated, matt texture; RAL 9011; installation without tools using blade springs; suitable for ceiling thickness of min. 6 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  $\leq 3$  SDCM; CRI  $\geq 90$ ; beam angle 38°; 355° rotatable and 35° tiltable; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



Ø94

77

## GENERAL

Ceiling  
Recessed  
tilt max 35 °  
rotation 355 °  
Black Matt  
RAL 9011 <sup>a</sup>  
IP20  
Interior  
CIE flux code: 87 98 100 100 100

## LED

colour warm dimming  
2000 K - 3000 K  
CRI  $\geq 90$   
L70 / 50000h  
initial MacAdam  $\leq 3$  SDCM

## OPTICAL

Standard  
beam angle 38°

## ELECTRICAL

excl. driver  
17 V  
inset 6.1 / 9.0 W  
Class 3

## PHYSICAL

diameter 94 mm  
height 77 mm  
0.17 kg  
blade springs

## CUTOUT

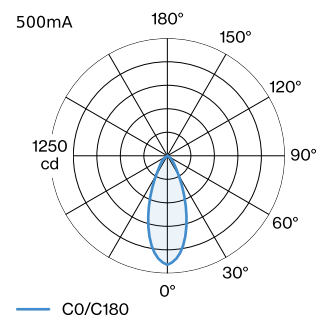
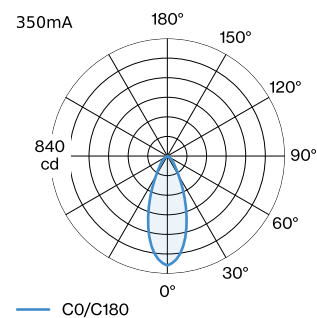
diameter 86-89 mm  
min. ceiling thickness 6 mm  
recessed depth 90 mm

<sup>a</sup> Colour may deviate slightly due to production conditions.

## OUTPUT

350mA  
465 lm  
8.4 W  
  
500mA  
690 lm  
12.5 W

## LIGHT DISTRIBUTION





## CONE DIAGRAM

standard 40°      350mA      standard 40°      500mA

| h (m) | E0° (lx) | ø (m) | h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|-------|----------|-------|
| 1     | 783      | 0.72  | 1     | 1160     | 0.72  |
| 2     | 196      | 1.44  | 2     | 290      | 1.44  |
| 3     | 87       | 2.17  | 3     | 130      | 2.17  |
| 4     | 49       | 2.89  | 4     | 70       | 2.89  |
| 5     | 31       | 3.61  | 5     | 50       | 3.61  |

## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.95   | 0.91   | 0.86   | 0.82   | 0.77   |
| LSF                | 1      | 1      | 1      | 1      | 1      |

MF      LMF × RSMF × LLMF × LSF

MF      Maintenance Factor

LMF<sup>a</sup>      Luminaire Maintenance Factor

RSMF<sup>a</sup>      Room Surface Maintenance Factor

LLMF      Lamp Lumens Maintenance Factor

LSF      Lamp Survival Factor

<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.

## 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    |

## OTHER ACCESSORIES

### Metal spring clip

| Type                          | Ø (MM) | Item number |
|-------------------------------|--------|-------------|
| MR16   LED   PAR16   max. 12W | 59     | 90019700    |

### Spring clip

| Type                          | Colour    | Ø (MM) | Item number |
|-------------------------------|-----------|--------|-------------|
| MR16   LED   PAR16   max. 12W | Black     | 59     | 900198B0    |
| MR16   LED   PAR16   max. 12W | Gold      | 59     | 900198G0    |
| MR16   LED   PAR16   max. 12W | Champagne | 59     | 900198M0    |
| MR16   LED   PAR16   max. 12W | Bronze    | 59     | 900198Q0    |
| MR16   LED   PAR16   max. 12W | Silver    | 59     | 900198S0    |
| MR16   LED   PAR16   max. 12W | White     | 59     | 900198W0    |