



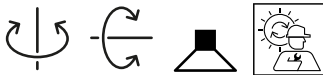
**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Bronze; wet painted, matt smooth; RAL 7013; 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 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 56°; 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;



**GENERAL**

Ceiling  
Recessed  
tilt max 35 °  
rotation 355 °  
Bronze  
RAL 7013 <sup>a</sup>  
IP20  
Interior  
CIE flux code: 89 99 100 100 100

**OUTPUT**

350mA  
660 lm  
8.3 W  
  
500mA  
890 lm  
12.2 W

**LED**

2700 K  
CRI  $\geq 90$   
L80 / 55000h  
initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Wide  
beam angle 56°

**ELECTRICAL**

excl. driver  
17 V  
inset 6.0 / 8.8 W  
Class 3

**PHYSICAL**

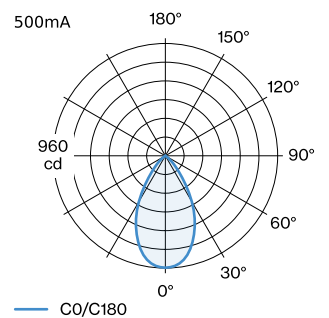
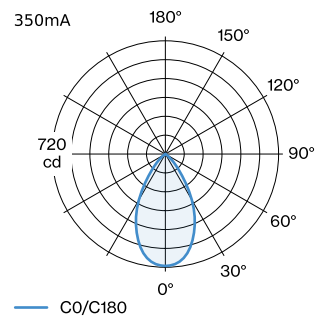
diameter 94 mm  
height 77 mm  
0.17 kg  
blade springs

**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.

**LIGHT DISTRIBUTION**





## CONE DIAGRAM

| wide 58° 350mA |          |       | wide 58° 500mA |          |       |
|----------------|----------|-------|----------------|----------|-------|
| h (m)          | E0° (lx) | ø (m) | h (m)          | E0° (lx) | ø (m) |
| 1              | 712      | 1.11  | 1              | 957      | 1.11  |
| 2              | 178      | 2.23  | 2              | 239      | 2.23  |
| 3              | 79       | 3.34  | 3              | 106      | 3.34  |
| 4              | 44       | 4.46  | 4              | 60       | 4.46  |
| 5              | 28       | 5.57  | 5              | 38       | 5.57  |

## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.96   | 0.92   | 0.88   | 0.85   | 0.81   |
| 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    |