



## PROJECT

## TYPE

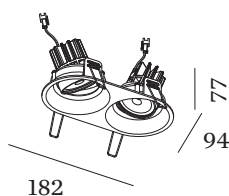
## NOTES

## QUANTITY

## DATE



Oval ceiling recessed downlight made from die-cast aluminium; adjustable; surface White Matt; powder coated, matt texture; RAL 9010; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 34°; 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 °  
White Matt  
RAL 9010 <sup>a</sup>  
IP20  
Interior  
CIE flux code: 88 99 100 100 100

## LED

3000 K  
CRI  $\geq 90$   
L80 / 55000h  
initial MacAdam  $\leq 2$  SDCM

## OPTICAL

Standard  
beam angle 34°

## ELECTRICAL

excl. driver  
17 V  
inset 6.0 / 8.8 W  
inset 12.0 / 17.6 W  
Class 3

## PHYSICAL

length 182 mm  
width 94 mm  
height 77 mm  
0.61 kg  
wire springs

## CUTOUT

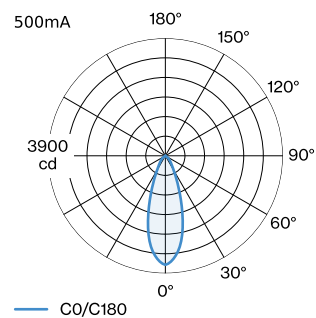
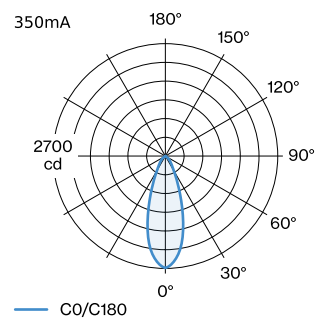
min. ceiling thickness 4 mm  
max. ceiling thickness 23 mm  
recessed depth 90 mm  
Cut out: 89 x 172-178

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

## OUTPUT

500mA  
1810 lm  
21.5 W  
  
350mA  
1340 lm  
14.6 W

## LIGHT DISTRIBUTION





## CONE DIAGRAM

| standard 35° 350mA |          |       | standard 35° 500mA |          |       |
|--------------------|----------|-------|--------------------|----------|-------|
| h (m)              | E0° (lx) | ø (m) | h (m)              | E0° (lx) | ø (m) |
| 1                  | 1340     | 0.64  | 1                  | 1810     | 0.64  |
| 2                  | 340      | 1.27  | 2                  | 450      | 1.27  |
| 3                  | 150      | 1.91  | 3                  | 200      | 1.91  |
| 4                  | 80       | 2.55  | 4                  | 110      | 2.55  |
| 5                  | 50       | 3.18  | 5                  | 70       | 3.18  |

## 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 |
|--------------------------------------|---------|-------------|-------------|
| 17.5 - 20W                           |         | 102-51-30   | 90218601    |
| 20W   500mA   26-38V   phase-cut dim | 26-38V  | 138-44-30   | 90224602    |
| 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 | White  | 59     | 900198W0    |