



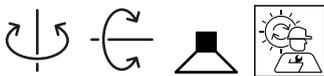
**PROJECT** \_\_\_\_\_

**TYPE** \_\_\_\_\_

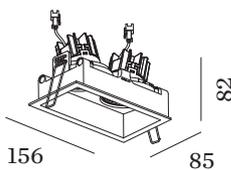
**NOTES** \_\_\_\_\_

**QUANTITY** \_\_\_\_\_

**DATE** \_\_\_\_\_



Rectangular 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 2-18 mm; recessed depth 95 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; beam angle 15°; 355° rotatable and 35° tiltable; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**LUMINAIRE**

Ceiling \_\_\_\_\_  
 Recessed \_\_\_\_\_  
 tilt max 35° \_\_\_\_\_  
 rotation 355° \_\_\_\_\_  
 White Matt \_\_\_\_\_  
 RAL 9010 <sup>a</sup> \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 Interior \_\_\_\_\_  
 1710 lm / 500mA \_\_\_\_\_  
 1270 lm / 350mA \_\_\_\_\_

**LED Module**

3000 K \_\_\_\_\_  
 CRI  $\geq 90$  \_\_\_\_\_  
 L80 / 55000h \_\_\_\_\_  
 $\leq 2$  SDCM (initial MacAdam) \_\_\_\_\_  
 1580 lm / 350mA \_\_\_\_\_  
 132 lm/W <sup>b</sup> \_\_\_\_\_  
 12 W <sup>b</sup> \_\_\_\_\_

**Optical**

Narrow \_\_\_\_\_  
 beam angle 15° \_\_\_\_\_  
 CIE flux code: 91 97 99 100 100 \_\_\_\_\_

**Electrical**

excl. driver \_\_\_\_\_  
 17 V \_\_\_\_\_  
 Class III \_\_\_\_\_  
 Standard \_\_\_\_\_

**Physical**

length 156 mm \_\_\_\_\_  
 width 85 mm \_\_\_\_\_  
 height 90 mm \_\_\_\_\_  
 0.48 kg \_\_\_\_\_  
 wire springs \_\_\_\_\_

**Cutout**

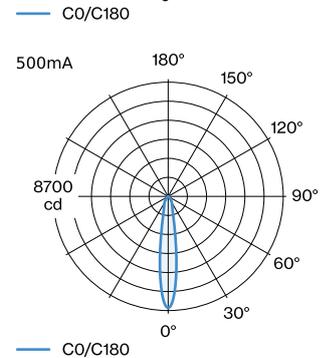
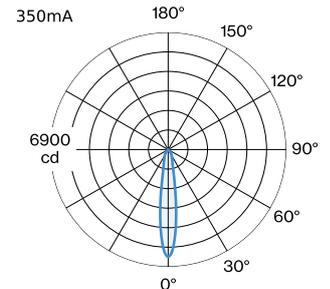
length 74 mm \_\_\_\_\_  
 width 148 mm \_\_\_\_\_  
 min. ceiling thickness 2 mm \_\_\_\_\_  
 max. ceiling thickness 18 mm \_\_\_\_\_  
 recessed depth 95 mm \_\_\_\_\_

**datasheet.quicksum.material**

Aluminium \_\_\_\_\_

<sup>a</sup> Colour may deviate slightly due to production conditions  
<sup>b</sup> Without electrical and optical losses

**LIGHT DISTRIBUTION**




**CONE DIAGRAM**

| narrow 17° 350mA |          |       | narrow 17° 500mA |          |       |
|------------------|----------|-------|------------------|----------|-------|
| h (m)            | E0° (lx) | ø (m) | h (m)            | E0° (lx) | ø (m) |
| 1                | 6320     | 0.29  | 1                | 8500     | 0.29  |
| 2                | 1580     | 0.58  | 2                | 2130     | 0.58  |
| 3                | 700      | 0.87  | 3                | 940      | 0.87  |
| 4                | 390      | 1.16  | 4                | 530      | 1.16  |
| 5                | 250      | 1.45  | 5                | 340      | 1.45  |

**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      |

$$MF = LMF \times RSMF \times LLMF \times LSF$$

MF Maintenance Factor

LLMF<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                                   | Colour | Voltage | L·W·H (MM) | Item number |
|----------------------------------------|--------|---------|------------|-------------|
| 10W   500mA   13-20V                   |        | 13-20V  | 60-39-20   | 90214406    |
| 10W   500mA   12-21V   phase-cut dim   |        | 12-21V  | 115-41-25  | 90224403    |
| 15W   500mA   10-31V   DALI-2 push dim |        | 10-31V  | 166-29-21  | 90244501    |

**OTHER ACCESSORIES**
**Metal spring clip**

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

**Spring clip**

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