



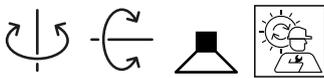
PROJECT _____

TYPE _____

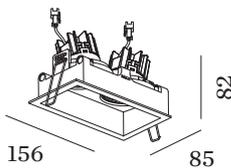
NOTES _____

QUANTITY _____

DATE _____



Rectangular ceiling recessed downlight made from die-cast aluminium; adjustable; surface Bronze; wet painted, matt smooth; RAL 7013; 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; ≤ 2 SDCM (initial MacAdam); CRI ≥ 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° _____
 Bronze _____
 RAL 7013 ^a _____
 IP20 _____
 Interior _____
 1140 lm / 350mA _____
 1540 lm / 500mA _____

LED Module

3000 K _____
 CRI ≥ 90 _____
 L80 / 55000h _____
 ≤ 2 SDCM (initial MacAdam) _____
 1580 lm / 350mA _____
 132 lm/W ^b _____
 12 W ^b _____

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

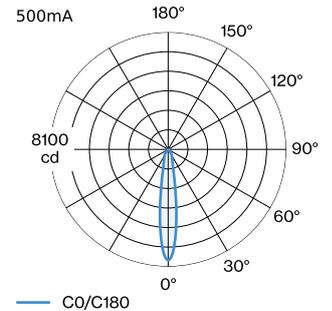
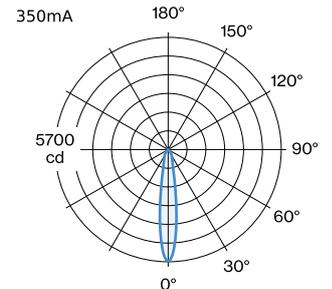
length 74 mm _____
 width 148 mm _____
 min. ceiling thickness 2 mm _____
 max. ceiling thickness 18 mm _____
 recessed depth 95 mm _____

datasheet.quicksum.material

Aluminium _____

^a Colour may deviate slightly due to production conditions
^b 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 | 5670 | 0.29 | 1 | 7660 | 0.29 |
| 2 | 1420 | 0.58 | 2 | 1910 | 0.58 |
| 3 | 630 | 0.87 | 3 | 850 | 0.87 |
| 4 | 350 | 1.16 | 4 | 480 | 1.16 |
| 5 | 230 | 1.45 | 5 | 310 | 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 = $\frac{LMF \times RSMF \times LLMF \times LSF}{LMF}$

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 | 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 |