



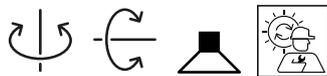
PROJECT _____

TYPE _____

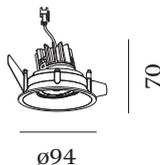
NOTES _____

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 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; 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;



LUMINAIRE

Ceiling _____
 Recessed _____
 tilt max 35° _____
 rotation 355° _____
 Bronze _____
 RAL 7013 ^a _____
 IP20 _____
 Interior _____
 630 lm / 350mA _____
 850 lm / 500mA _____

LED Module

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

Optical

Narrow _____
 beam angle 15° _____
 CIE flux code: 88 99 100 100 _____
 100 _____

Electrical

excl. driver _____
 17 V _____
 Class III _____
 Standard _____

Physical

diameter 94 mm _____
 height 77 mm _____
 0.17 kg _____
 blade springs _____

Cutout

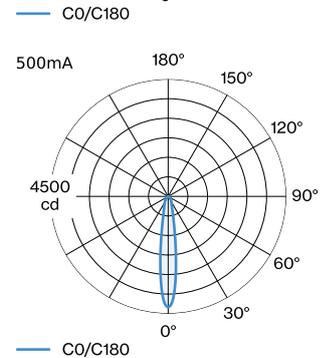
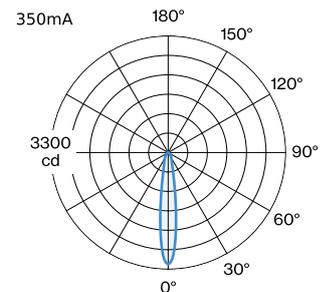
diameter 86-89 mm _____
 min. ceiling thickness 6 mm _____
 max. ceiling thickness 23 mm _____
 recessed depth 90 mm _____

datasheet.quicksum.material

Aluminium _____

^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses

LIGHT DISTRIBUTION





CONE DIAGRAM

narrow 16° 350mA			narrow 16° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	3160	0.28	1	4250	0.28
2	790	0.55	2	1060	0.55
3	350	0.83	3	470	0.83
4	200	1.11	4	270	1.11
5	130	1.39	5	170	1.39

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			60-39-20	90214406
10W 500mA 12-21V phase-cut dim			115-41-25	90224403
15W 500mA 10-31V DALI-2 push dim			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	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