


**PROJECT**
**TYPE**
**NOTES**
**QUANTITY**
**DATE**


Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Bronze; wet painted, matt smooth; 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 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;

**GENERAL**

Ceiling  
Recessed  
tilt max 35 °  
rotation 355 °  
Bronze  
IP20  
Interior  
CIE flux code: 92 97 99 100  
100

**OUTPUT**

500mA  
775 lm  
9 W  
  
350mA  
575 lm  
6 W

**LED**

3000 K  
CRI  $\geq 90$   
initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Narrow  
beam angle 15°

**ELECTRICAL**

excl. driver  
17 V  
inset 6.0 / 9.0 W  
Class 3

**PHYSICAL**

diameter 94 mm  
height 77 mm  
0.17 kg  
wire springs

**CUTOUT**

diameter 86-89 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 23 mm  
recessed depth 90 mm



77

Ø94


**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
LMFa	Luminaire Maintenance Factor

RSMFa	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	900198MO
MR16   LED   PAR16   max. 12W	Bronze	59	900198Q0
MR16   LED   PAR16   max. 12W	Silver	59	900198S0
MR16   LED   PAR16   max. 12W	White	59	900198W0