



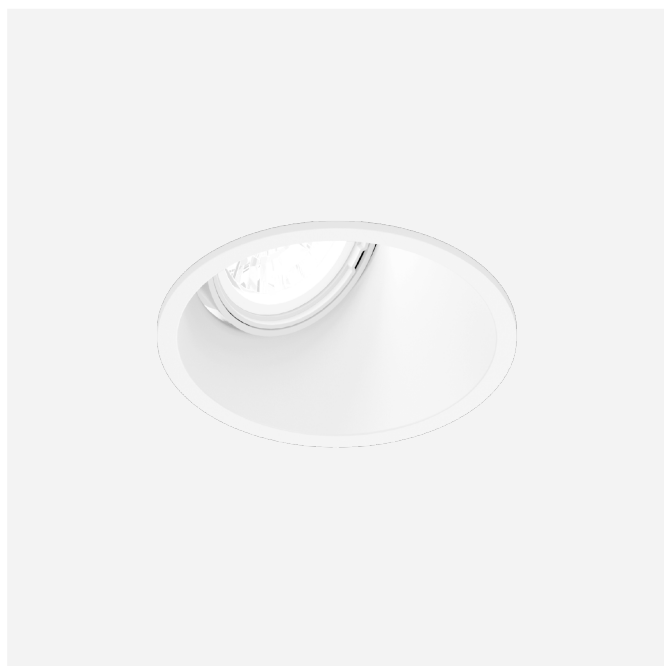
PROJECT

TYPE

NOTES

QUANTITY

DATE



GENERAL

Ceiling	
Recessed	
tilt max 35 °	
rotation 355 °	
White Matt	
RAL 9010 ^a	
IP20	
Interior	
CIE flux code: 80 100 100 100 100	

OUTPUT

500mA	
820 lm	
12.2 W	
350mA	
610 lm	
8.3 W	

LED

2700 K	
CRI ≥ 90	
L80 / 55000h	
initial MacAdam ≤ 2 SDCM	

OPTICAL

Asymmetric	
beam angle 34°	

ELECTRICAL

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

PHYSICAL

diameter 94 mm	
height 95 mm	
0.25 kg	
wire springs	

CUTOUT

diameter 87-88 mm	
min. ceiling thickness 4 mm	
max. ceiling thickness 25 mm	
recessed depth 100 mm	

^a Colour may deviate slightly due to production conditions.



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^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	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	Silver	59	900198S0
MR16 LED PAR16 max. 12W	White	59	900198W0