



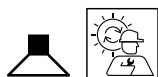
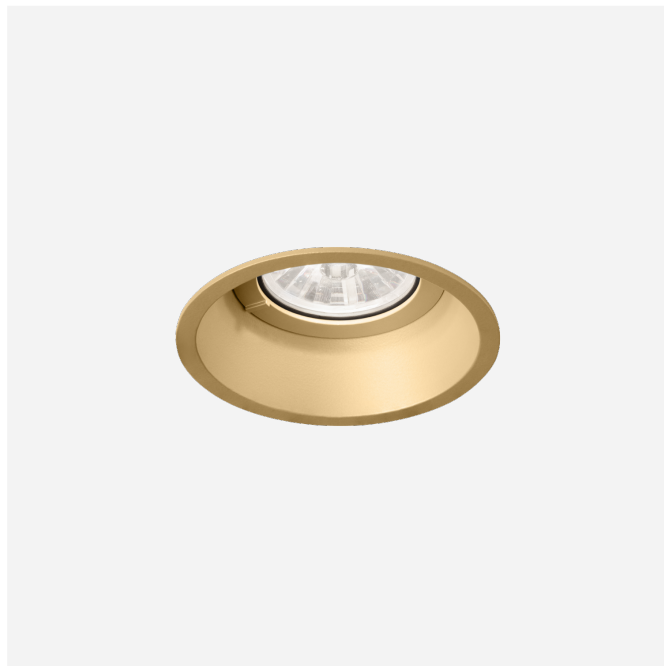
PROJECT

TYPE

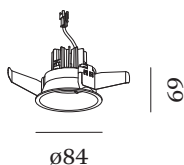
NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface Champagne; wet painted, smooth semi glossy; No matching RAL; installation without tools using blade springs; suitable for ceiling thickness of min. 10 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 4000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 34°; 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
Champagne
No matching RAL
IP20
Interior
965 lm / 500mA
720 lm / 350mA

LED Module

4000 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
835 lm / 350mA
141 lm/W^a
5.9 W^a

Optical

Medium (standard)
beam angle 34°
CIE flux code: 88 99 100 100
100

Electrical

excl. driver
17 V
Class III
Standard

Physical

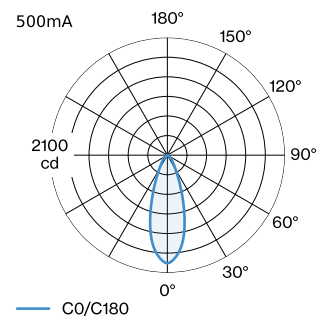
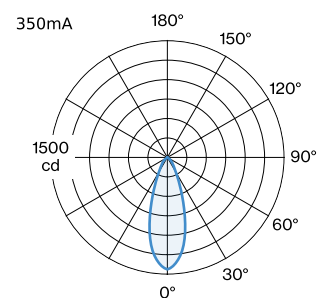
diameter 84 mm
height 76 mm
0.15 kg
blade springs

Cutout

diameter 76-79 mm
min. ceiling thickness 10 mm
recessed depth 90 mm

^a Without electrical and optical losses

LIGHT DISTRIBUTION





CONE DIAGRAM

medium (standard) 350mA

h (m)	E0° (lx)	ø (m)
1	1440	0.64
2	360	1.27
3	160	1.91
4	90	2.55
5	60	3.18

medium (standard) 500mA

h (m)	E0° (lx)	ø (m)
1	1940	0.64
2	480	1.27
3	220	1.91
4	120	2.55
5	80	3.18

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.99	0.98	0.97	0.96	0.95
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	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