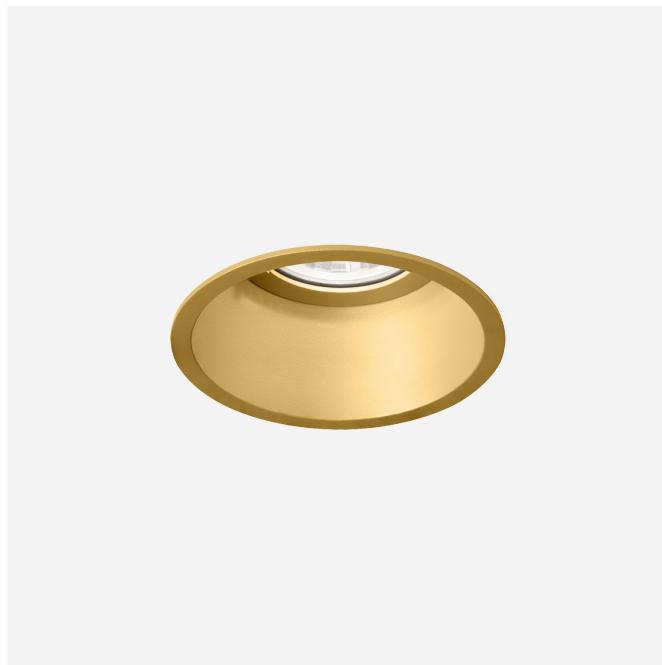



PROJECT
TYPE
NOTES
QUANTITY
DATE


Round ceiling recessed downlight made from die-cast aluminium; surface Gold; wet painted, matt smooth; installation without tools using wire springs; suitable for ceiling thickness of 4-38 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; 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;


86
Ø84
GENERAL

Ceiling
Recessed
Gold
IP20
Interior
CIE flux code: 97 99 100 100
100

MEASURED DRIVERS

500mA
700 lm
12.2 W

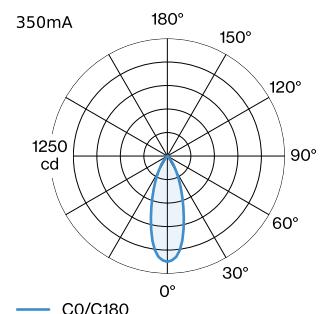
350mA
515 lm
8.3 W

LED

3000 K
CRI ≥ 90
L80 / 55000h
initial MacAdam ≤ 2 SDCM

OPTICAL

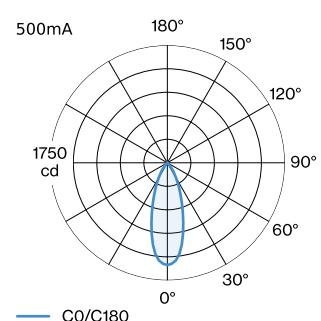
Standard
beam angle 34°

LIGHT DISTRIBUTION

ELECTRICAL

excl. driver
17 V
inset 8.8 6.0 W
Class 3

PHYSICAL

diameter 84 mm
height 86 mm
0.17 kg
wire springs


CUTOUT

diameter 76-79 mm
min. ceiling thickness 4 mm
max. ceiling thickness 38 mm
recessed depth 90 mm


CONE DIAGRAM

standard 35° 350mA standard 35° 500mA

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	1120	0.63	1	1520	0.63
2	280	1.27	2	380	1.27
3	120	1.90	3	170	1.90
4	70	2.53	4	100	2.53
5	40	3.16	5	60	3.16

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	RSMFa	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMFa	Luminaire 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

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