



**PROJECT**

**TYPE**

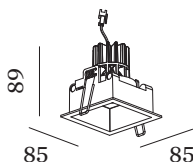
**NOTES**

**QUANTITY**

**DATE**



Squared ceiling recessed downlight made from die-cast aluminium; surface Black Matt; powder coated, matt texture; RAL 9005; installation without tools using wire springs; suitable for ceiling thickness of 4-30 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 34°; degree of protection from below IP44; from above IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**GENERAL**

Ceiling  
Recessed  
Black Matt  
RAL 9005 <sup>a</sup>  
front IP44  
back IP20  
Interior  
CIE flux code: 98 100 100 100 100

**LED**

2700 K  
CRI  $\geq 90$   
L80 / 55000h  
initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Standard  
beam angle 34°

**ELECTRICAL**

excl. driver  
17 V  
inset 5.9 8.8 W  
Class 3

**PHYSICAL**

length 85 mm  
width 85 mm  
height 89 mm  
0.21 kg  
wire springs

**CUTOUT**

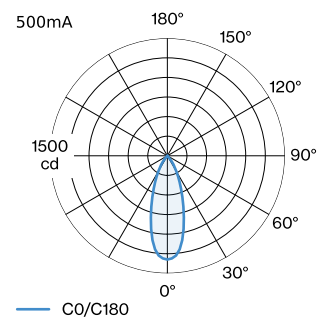
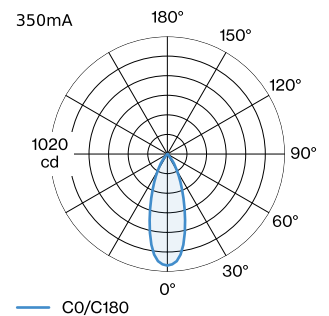
length 74 mm  
width 78 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 30 mm  
recessed depth 90 mm

<sup>a</sup> Colour may deviate slightly due to production conditions.

**MEASURED DRIVERS**

500mA  
610 lm  
12.2 W  
  
350mA  
445 lm  
8.2 W

**LIGHT DISTRIBUTION**





## CONE DIAGRAM

standard 36° 350mA			standard 36° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	968	0.65	1	1320	0.65
2	242	1.29	2	330	1.29
3	108	1.94	3	150	1.94
4	60	2.58	4	80	2.58
5	39	3.23	5	50	3.23

## 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<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> 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