



PROJECT

TYPE

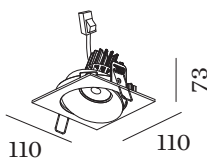
NOTES

QUANTITY

DATE



Squared ceiling recessed luminaire made from aluminium; surface Black Matt; powder coated, matt texture; RAL 9011; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; 350/500 mA; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; beam angle 15°; 355° rotatable and 35° tiltable; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling
Recessed
tilt max 35 °
rotation 355 °
Black Matt
RAL 9011 ^a
IP20
Interior
CIE flux code: 87 99 100 100 100

OUTPUT

350mA
640 lm
8.3 W

500mA
860 lm
12.2 W

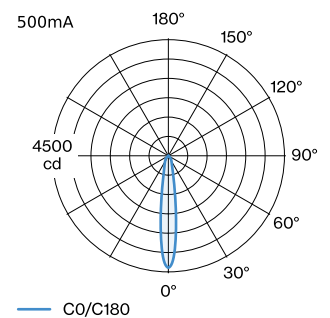
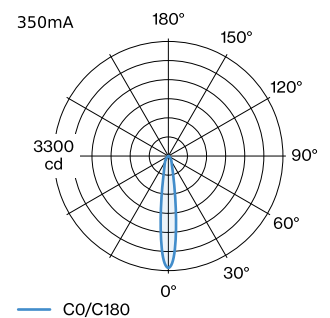
LED

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

OPTICAL

Narrow
beam angle 15°

LIGHT DISTRIBUTION



ELECTRICAL

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

PHYSICAL

length 110 mm
width 110 mm
height 73 mm
0.36 kg
wire springs

CUTOUT

diameter 102-104 mm
min. ceiling thickness 4 mm
max. ceiling thickness 25 mm
recessed depth 90 mm

^a Colour may deviate slightly due to production conditions.



CONE DIAGRAM

narrow 15° 350mA			narrow 15° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	3220	0.27	1	4340	0.27
2	810	0.54	2	1080	0.54
3	360	0.82	3	480	0.82
4	200	1.09	4	270	1.09
5	130	1.36	5	170	1.36

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