



PROJECT

TYPE

NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Bronze; wet painted, matt smooth; RAL 7013; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 65 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; 355° rotatable and 35° tiltable; degree of protection IP20; Class 3; IC rated; driver not included; fits into Kaiser ThermoX® 9320-11; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Recessed
tilt max 35 °
rotation 355 °
Bronze
RAL 7013 ^a
IP20
IC rated
Interior
550 lm / 350mA

LED Module

2700 K
CRI ≥ 90
L70 / 50000h
 ≤ 2 SDCM (initial MacAdam)
650 lm / 350mA
109 lm/W ^b
6 W ^b

Optical

Narrow
beam angle 15°
CIE flux code: 98 100 100 100 100

Electrical

excl. driver
17 V
Class III
Standard

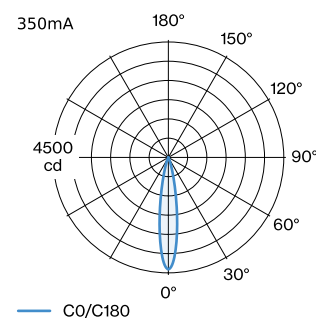
Physical

diameter 79 mm
height 60 mm
0.05 kg
wire springs

Cutout

diameter 68-70 mm
min. ceiling thickness 4 mm
max. ceiling thickness 23 mm
recessed depth 65 mm

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses



CONE DIAGRAM

narrow 18° 350mA

h (m)	E0° (lx)	ø (m)
1	4360	0.31
2	1090	0.62
3	480	0.93
4	270	1.25
5	170	1.56

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.95	0.93	0.9	0.88
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
6W 350mA 8.6-18V		8.6-18V	67·39·22	90213303
10W 350mA 13-26V phase-cut dim		13-26V	115·41·25	90223406
14W 350mA 10-40V DALI-2 push dim		10-40V	166·29·21	90243502