



PROJECT

TYPE

NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface Bronze; wet painted, matt smooth; RAL 7013; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 60 mm; beam angle 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90; degree of protection IP65; Class 3; IC rated; driver not included; fits into Kaiser ThermoX® 9320-11; light source not replaceable;

LUMINAIRE

Ceiling _____
 Recessed _____
 Bronze _____
 RAL 7013 ^a _____
 IP65 _____
 IC rated _____
 Exterior _____
 590 lm _____

LED Module

2700 K _____
 CRI ≥ 90 _____
 L80 / 50000 h _____
 ≤ 2 SDCM (initial MacAdam) _____

Optical

Medium (standard) _____
 beam angle 31° _____

Electrical

excl. driver _____
 17 V _____
 Class III _____
 Standard _____

Physical

diameter 80 mm _____
 height 55 mm _____
 0.1 kg _____
 wire springs _____

Cutout

diameter 68-70 mm _____
 min. ceiling thickness 4 mm _____
 max. ceiling thickness 25 mm _____
 recessed depth 60 mm _____

^a Colour may deviate slightly due to production conditions





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

$$MF = LMF \times RSMF \times LLMF \times LSF$$

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
17W 350mA 5-49V IP68		5-49V	122-54-26	90213602
10W 350mA 13-26V phase-cut dim		13-26V	115-41-25	90223406