



PROJECT

TYPE

NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface Champagne; wet painted, smooth semi glossy; No matching RAL; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 60 mm; beam angle 39°; with COB (Chip on Board) technology for maximum efficiency; light colour 2000 - 3000 K colour warm dimming; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90; degree of protection IP20; Class 3; IC rated; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; driver not included; fits into Kaiser ThermoX® 9320-11; light source replaceable by Wever & Ducreé or by a professional with explicit authorization;



LUMINAIRE

- _____ Ceiling
- _____ Recessed
- _____ Champagne
- _____ No matching RAL
- _____ IP20
- _____ IC rated
- _____ Interior
- _____ 440 lm / 350mA

LED Module

- _____ colour warm dimming
- _____ 2000 - 3000 K
- _____ CRI ≥ 90
- _____ L70 / 50000h
- _____ ≤ 3 SDCM (initial MacAdam)
- _____ 545 lm / 350mA
- _____ 90 lm/W^a
- _____ 6.1 W^a

Optical

- _____ Medium (standard)
- _____ beam angle 39°
- _____ CIE flux code: 92 99 100 100
- _____ 100

Electrical

- _____ excl. driver
- _____ 16 V
- _____ Class III
- _____ Standard

Physical

- _____ diameter 80 mm
- _____ height 45 mm
- _____ 0.04 kg
- _____ wire springs

Cutout

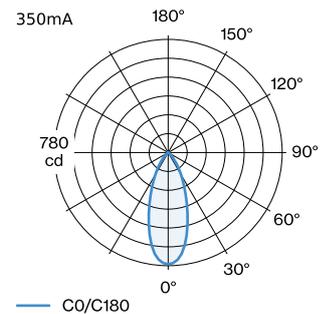
- _____ diameter 68-70 mm
- _____ min. ceiling thickness 4 mm
- _____ max. ceiling thickness 23 mm
- _____ recessed depth 60 mm

datasheet.quicksum.material

- _____ Aluminium

^a Without electrical and optical losses

LIGHT DISTRIBUTION



[153561M9] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducreé BV apply.



CONE DIAGRAM

medium (standard) 390mA

h (m)	E0° (lx)	ø (m)
1	769	0.71
2	192	1.42
3	85	2.13
4	48	2.84
5	31	3.55

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.95	0.91	0.86	0.82	0.77
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	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	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