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TYPE

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NOTES

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QUANTITY

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DATE

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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 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; degree of protection IP20; Class 3; IC rated; UGR  $\leq 16$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 1500$  cd/m<sup>2</sup>; 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 \_\_\_\_\_  
 Champagne \_\_\_\_\_  
 No matching RAL \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 IC rated \_\_\_\_\_  
 Interior \_\_\_\_\_  
 590 lm / 350mA \_\_\_\_\_

**LED Module**

2700 K \_\_\_\_\_  
 CRI  $\geq 90$  \_\_\_\_\_  
 L80 / 50000 h \_\_\_\_\_  
 $\leq 2$  SDCM (initial MacAdam) \_\_\_\_\_  
 730 lm / 350mA \_\_\_\_\_  
 123 lm/W<sup>a</sup> \_\_\_\_\_  
 5,9 W<sup>a</sup> \_\_\_\_\_

**Optical**

Medium (standard) \_\_\_\_\_  
 beam angle 31° \_\_\_\_\_  
 CIE flux code: 98 100 100 100 \_\_\_\_\_  
 100 \_\_\_\_\_

**Electrical**

excl. driver \_\_\_\_\_  
 17 V \_\_\_\_\_  
 Class III \_\_\_\_\_  
 Standard \_\_\_\_\_

**Physical**

diameter 80 mm \_\_\_\_\_  
 height 45 mm \_\_\_\_\_  
 0.04 kg \_\_\_\_\_  
 wire springs \_\_\_\_\_

**Cutout**

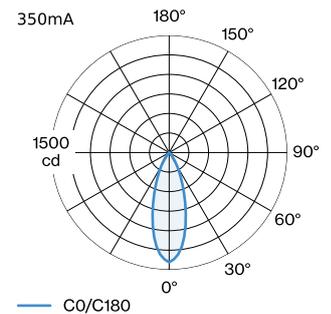
diameter 68-70 mm \_\_\_\_\_  
 min. ceiling thickness 4 mm \_\_\_\_\_  
 max. ceiling thickness 23 mm \_\_\_\_\_  
 recessed depth 60 mm \_\_\_\_\_

**datasheet.quicksum.material**

Aluminium \_\_\_\_\_

<sup>a</sup> Without electrical and optical losses

**LIGHT DISTRIBUTION**



[153561M3] 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 & Ducré BV apply.



**CONE DIAGRAM**

medium (standard) 380mA

h (m)	E0° (lx)	ø (m)
1	1400	0.61
2	350	1.23
3	160	1.84
4	90	2.46
5	60	3.07

**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	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