



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed downlight made from die-cast aluminium; surface Gold; wet painted, matt smooth; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 50 mm; beam angle 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; 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;



**GENERAL**

Ceiling  
Recessed  
Gold  
IP20  
IC rated  
Interior  
CIE flux code: 98 100 100 100 100

**LED**

2700 K  
CRI  $\geq 90$   
L80 / 50000 h  
initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Standard  
beam angle 31°

**ELECTRICAL**

excl. driver  
17 V  
inset 5.9 W  
Class 3

**PHYSICAL**

diameter 80 mm  
height 45 mm  
0.04 kg  
wire springs

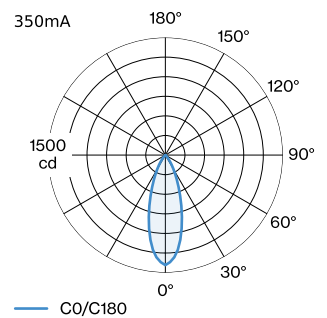
**CUTOUT**

diameter 68-70 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 23 mm  
recessed depth 50 mm

**OUTPUT**

350mA  
590 lm  
7.9 W

**LIGHT DISTRIBUTION**





## CONE DIAGRAM

standard 34° 350mA

| 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                           | Voltage | L·W·H (MM)    | Item number |
|--------------------------------|---------|---------------|-------------|
| 6W   350mA   8.6-18V           | 8.6-18V | 67·39·22      | 90213303    |
| 10W   350mA   1-10V dim        | 14-28V  | 101.5·51·29.5 | 90223401    |
| 10W   350mA   phase-cut dim    | 12-28V  | 102·38·21     | 90223402    |
| 14W   350mA   2.5-42V   DALI-2 | 2.5-42V | 145·33·21     | 90243501    |
| 17W   350mA   10-49V   DALI    | 10-49V  | 108·52·22     | 90243601    |