



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9005; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 85 mm; beam angle 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; UGR  $\leq 16$ ; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



51

ø57

**GENERAL**

Ceiling  
Recessed  
Black Matt  
RAL 9005 <sup>a</sup>  
IP20  
IC rated  
Interior  
CIE flux code: 99 100 100 100 100

**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 4.2 W  
Class 3

**PHYSICAL**

diameter 57 mm  
height 51 mm  
0.07 kg  
wire springs

**CUTOUT**

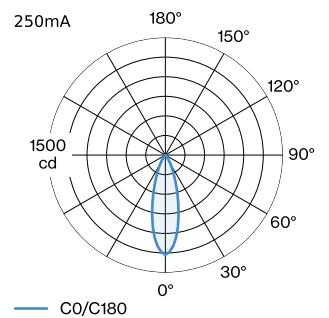
diameter 50-52 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 25 mm  
recessed depth 85 mm

<sup>a</sup> Colour may deviate slightly due to production conditions.

**MEASURED DRIVER**

250mA  
435 lm  
5.6 W

**LIGHT DISTRIBUTION**





## CONE DIAGRAM

standard 30° 250mA

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1270     | 0.54  |
| 2     | 320      | 1.07  |
| 3     | 140      | 1.61  |
| 4     | 80       | 2.15  |
| 5     | 50       | 2.68  |

## 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 |
|---------------------------------------|---------|------------|-------------|
| 5W   250mA   13-26V   phase-cut dim   | 13-26V  | 69·34·22   | 90226201    |
| 7.2W   250mA   16-29V   phase-cut dim | 16-29V  | 122·41·23  | 90226401    |
| 13W   250mA   2.5-52V   DALI-2        | 2.5-52V | 144·33·21  | 90246501    |
| 10W   250mA   6-40V   DALI            | 6-40V   | 124·31·21  | 90249402    |