



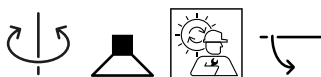
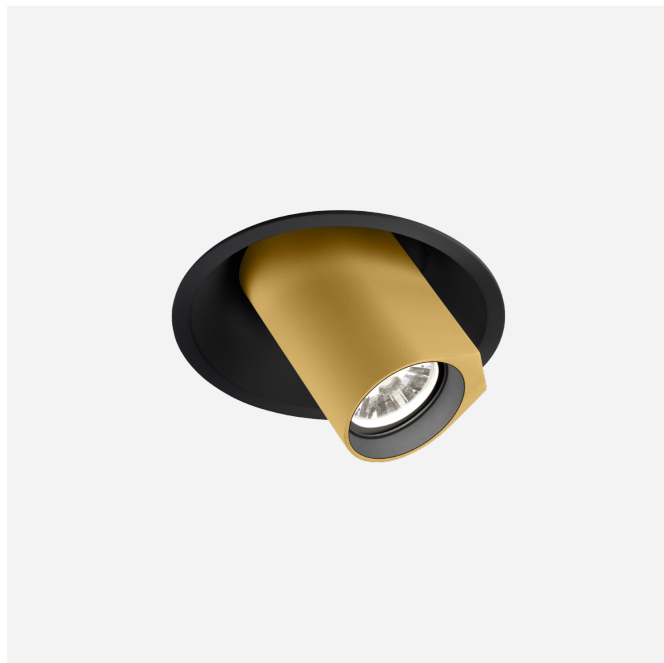
## PROJECT

## TYPE

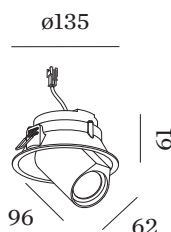
## NOTES

## QUANTITY

## DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt + Gold; wet painted, matt smooth; RAL 9011; inner ring black; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 75 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 4000 K;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; beam angle 33°; 355° rotatable and 60° tiltable; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



## LUMINAIRE

Ceiling  
Semi-Recessed  
tilt max 60 °  
rotation 355 °  
Black Matt + Gold  
RAL 9011 <sup>a</sup>  
IP20  
IC rated  
Interior  
905 lm / 500mA  
670 lm / 350mA

## LED Module

4000 K  
CRI  $\geq 90$   
L80 / 55000h  
 $\leq 2$  SDCM (initial MacAdam)  
835 lm / 350mA  
140 lm/W <sup>b</sup>  
6 W <sup>b</sup>

## Optical

Medium (standard)  
beam angle 33°  
CIE flux code: 90 100 100 100  
100

## Electrical

excl. driver  
17 V  
Class III  
Standard

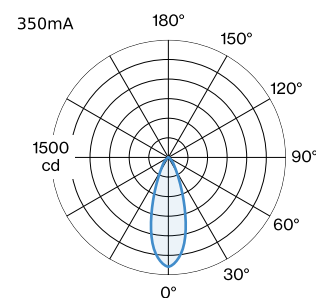
## Physical

diameter 135 mm  
height 96 mm  
0.45 kg  
wire springs

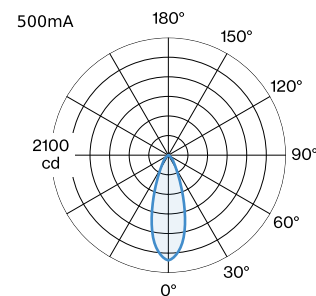
## Cutout

diameter 127 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 25 mm  
recessed depth 75 mm

## LIGHT DISTRIBUTION



— C0/C180



— C0/C180

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

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



## CONE DIAGRAM

medium (standard) 350mA

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1400     | 0.63  |
| 2     | 350      | 1.26  |
| 3     | 160      | 1.90  |
| 4     | 90       | 2.53  |
| 5     | 60       | 3.16  |

medium (standard) 500mA

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1880     | 0.63  |
| 2     | 470      | 1.26  |
| 3     | 210      | 1.90  |
| 4     | 120      | 2.53  |
| 5     | 80       | 3.16  |

## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.99   | 0.98   | 0.97   | 0.96   | 0.95   |
| 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 |
|----------------------------------------|--------|---------|------------|-------------|
| 10W   500mA   13-20V                   |        | 13-20V  | 60·39·20   | 90214406    |
| 10W   500mA   12-21V   phase-cut dim   |        | 12-21V  | 115·41·25  | 90224403    |
| 15W   500mA   10-31V   DALI-2 push dim |        | 10-31V  | 166·29·21  | 90244501    |