



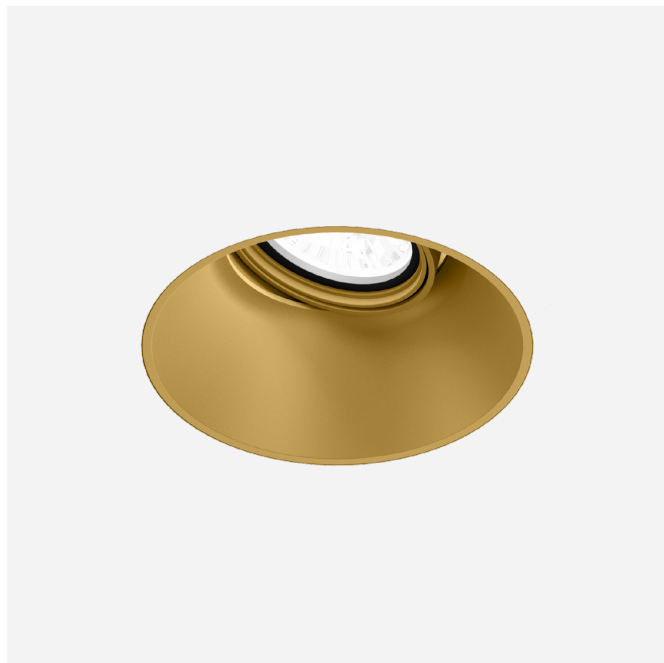
## PROJECT

## TYPE

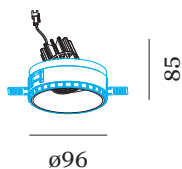
## NOTES

## QUANTITY

## DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; trimless; surface Gold; wet painted, matt smooth; installation without tools using alu plasterkit; to be combined with the plasterkit suitable for ceiling thickness; recessed depth 95 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 56°; 355° rotatable and 35° 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;



## GENERAL

|                                  |  |
|----------------------------------|--|
| Ceiling                          |  |
| Recessed                         |  |
| tilt max 35 °                    |  |
| rotation 355 °                   |  |
| Gold                             |  |
| IP20                             |  |
| Interior                         |  |
| CIE flux code: 89 99 100 100 100 |  |

## LED

|                               |  |
|-------------------------------|--|
| 3000 K                        |  |
| CRI $\geq 90$                 |  |
| L80 / 55000h                  |  |
| initial MacAdam $\leq 2$ SDCM |  |

## OPTICAL

|                |  |
|----------------|--|
| Wide           |  |
| beam angle 56° |  |

## ELECTRICAL

|                   |  |
|-------------------|--|
| excl. driver      |  |
| 17 V              |  |
| inset 6.0 / 8.8 W |  |
| Class 3           |  |

## PHYSICAL

|                |  |
|----------------|--|
| diameter 96 mm |  |
| height 85 mm   |  |
| 0.23 kg        |  |
| alu plasterkit |  |

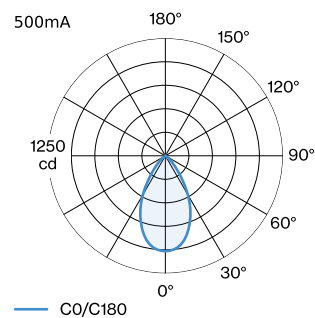
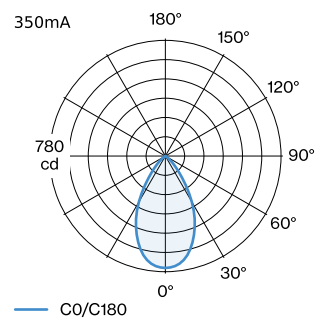
## CUTOUT

|                      |  |
|----------------------|--|
| diameter 105-110 mm  |  |
| recessed depth 95 mm |  |
| 12,5, 15, 20, 25     |  |

## OUTPUT

|        |  |
|--------|--|
| 350mA  |  |
| 700 lm |  |
| 8.3 W  |  |
| 500mA  |  |
| 945 lm |  |
| 12.2 W |  |

## LIGHT DISTRIBUTION





## CONE DIAGRAM

| wide 58° 350mA |          |       | wide 58° 500mA |          |       |
|----------------|----------|-------|----------------|----------|-------|
| h (m)          | E0° (lx) | ø (m) | h (m)          | E0° (lx) | ø (m) |
| 1              | 755      | 1.11  | 1              | 1010     | 1.11  |
| 2              | 189      | 2.23  | 2              | 250      | 2.23  |
| 3              | 84       | 3.34  | 3              | 110      | 3.34  |
| 4              | 47       | 4.46  | 4              | 60       | 4.46  |
| 5              | 30       | 5.57  | 5              | 40       | 5.57  |

## 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 |
|--------------------------------------|---------|-------------|-------------|
| 10W   500mA   11-20V                 | 11-20V  | 100-43-23   | 90214405    |
| 10W   500mA   13-20V                 | 13-20V  | 65-39-20    | 90214406    |
| 10W   500mA   3-20V   phase-cut dim  | 3-20V   | 102-49-29   | 90224402    |
| 10W   500mA   12-21V   phase-cut dim | 12-21V  | 115-41-25   | 90224403    |
| 20W   500mA   3-40V   DALI           | 3-40V   | 116-40-5-22 | 90244604    |
| 24W   500mA   6-49V   DALI-2         | 6-49V   | 143-43-30   | 90244701    |

## MOUNTING ACCESSORIES

### Plasterkit

| Type                 | Ø·H (MM) | Item number |
|----------------------|----------|-------------|
| DEEP ADJUST TRIMLESS | 105-29   | 90017209    |