



## PROJECT

## TYPE

## NOTES

## QUANTITY

## DATE



Round ceiling recessed downlight made from die-cast aluminium; surface White Matt; powder coated, matt texture; RAL 9010; installation without tools using wire springs; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 34°; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;

## GENERAL

|                                 |  |
|---------------------------------|--|
| Ceiling                         |  |
| Recessed                        |  |
| White Matt                      |  |
| RAL 9010 <sup>a</sup>           |  |
| IP20                            |  |
| Interior                        |  |
| CIE flux code: 92 97 99 100 100 |  |

## OUTPUT

|        |  |
|--------|--|
| 350mA  |  |
| 520 lm |  |
| 8.3 W  |  |
| 500mA  |  |
| 705 lm |  |
| 12.2 W |  |

## LED

|                               |  |
|-------------------------------|--|
| 2700 K                        |  |
| CRI $\geq 90$                 |  |
| L80 / 55000h                  |  |
| initial MacAdam $\leq 2$ SDCM |  |

## OPTICAL

|                |  |
|----------------|--|
| Standard       |  |
| beam angle 34° |  |

## ELECTRICAL

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

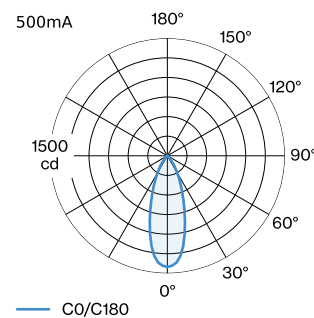
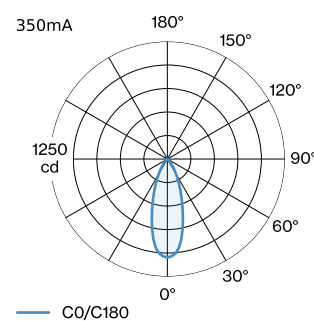
## PHYSICAL

|                |  |
|----------------|--|
| diameter 84 mm |  |
| height 86 mm   |  |
| 0.17 kg        |  |
| blade springs  |  |

## CUTOUT

|                              |  |
|------------------------------|--|
| diameter 76-79 mm            |  |
| min. ceiling thickness 10 mm |  |
| recessed depth 90 mm         |  |

## LIGHT DISTRIBUTION



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



## CONE DIAGRAM

| standard 36° 350mA |          |       | standard 36° 500mA |          |       |
|--------------------|----------|-------|--------------------|----------|-------|
| h (m)              | E0° (lx) | ø (m) | h (m)              | E0° (lx) | ø (m) |
| 1                  | 1050     | 0.64  | 1                  | 1420     | 0.64  |
| 2                  | 260      | 1.29  | 2                  | 350      | 1.29  |
| 3                  | 120      | 1.93  | 3                  | 160      | 1.93  |
| 4                  | 70       | 2.57  | 4                  | 90       | 2.57  |
| 5                  | 40       | 3.22  | 5                  | 60       | 3.22  |

## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.96   | 0.92   | 0.89   | 0.85   | 0.82   |
| 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    |