



**PROJECT**

**TYPE**

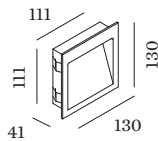
**NOTES**

**QUANTITY**

**DATE**



IP65



**LUMINAIRE**

Wall  
Recessed  
White Matt  
RAL 9010 <sup>a</sup>  
IP65  
Exterior  
145 / 220 lm

**LED Module**

3000 K  
CRI ≥ 90  
L70 / 60000h  
≤ 3 SDCM (initial MacAdam)

**Optical**

Asymmetric  
CIE flux code: 44 78 91 84 100

**Electrical**

excl. driver  
9 V  
Class III

**Physical**

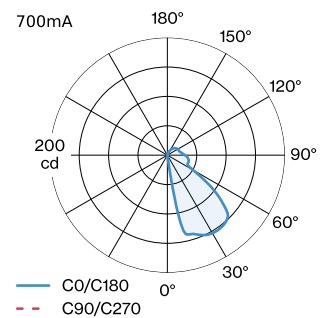
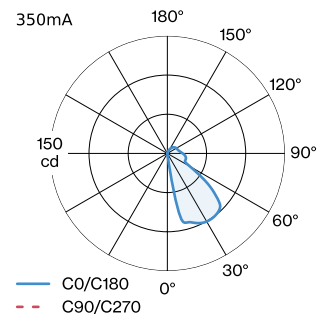
length 130 mm  
width 341 mm  
height 130 mm  
0.34 kg

**Cutout**

length 115 mm  
width 117 mm  
min. ceiling thickness 12 mm  
recessed depth 40 mm

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

**LIGHT DISTRIBUTION**





## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.96   | 0.94   | 0.91   | 0.89   | 0.87   |
| 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.

## MOUNTING ACCESSORIES

### Concrete Housing

| Type                | Colour | Voltage | L·W·H (MM) | Item number |
|---------------------|--------|---------|------------|-------------|
| ORIS 1.3   RETO 1.3 |        |         | 120-55-120 | 90012040    |

### Recessed Housing incl. plasterkit

| Type                | Colour | Voltage | L·W·H (MM) | Item number |
|---------------------|--------|---------|------------|-------------|
| ORIS 1.3   RETO 1.3 |        |         | 160-68-160 | 90012041    |

## ELECTRICAL ACCESSORIES

### Driver

| Type                        | Colour | Voltage | L·W·H (MM) | Item number |
|-----------------------------|--------|---------|------------|-------------|
| 3W   350 mA   3-15V   IP66  |        | 3-15V   | 52-30-23   | 90213101    |
| 7W   500mA   5-14.5V   IP67 |        | 5-14.5V | 57-41-24   | 90214301    |
| 7W   700mA   3-10.5V   IP67 |        | 3-10,5V | 57-41-24   | 90215301    |