



**PROJECT** \_\_\_\_\_

**TYPE** \_\_\_\_\_

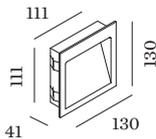
**NOTES** \_\_\_\_\_

**QUANTITY** \_\_\_\_\_

**DATE** \_\_\_\_\_



Rectangular wall recessed luminaire made from aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; recessed depth 40 mm; suitable for ceiling thickness of min. 12 mm; PCB 3-step binning; light colour 3000 K;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 90$ ; degree of protection IP65; Class 3; driver not included; light source not replaceable;



**LUMINAIRE**

Wall \_\_\_\_\_  
 Recessed \_\_\_\_\_  
 Black Matt \_\_\_\_\_  
 RAL 9011 <sup>a</sup> \_\_\_\_\_  
 IP65 \_\_\_\_\_  
 Exterior \_\_\_\_\_  
 100 lm / 700mA \_\_\_\_\_  
 70 lm / 350mA \_\_\_\_\_

**LED Module**

3000 K \_\_\_\_\_  
 CRI  $\geq 90$  \_\_\_\_\_  
 L70 / 60000h \_\_\_\_\_  
 $\leq 3$  SDCM (initial MacAdam) \_\_\_\_\_  
 70 lm / 350mA \_\_\_\_\_  
 23 lm/W <sup>b</sup> \_\_\_\_\_  
 3.1 W <sup>b</sup> \_\_\_\_\_

**Optical**

Asymetric \_\_\_\_\_  
 CIE flux code: 44 78 91 84 100 \_\_\_\_\_

**Electrical**

excl. driver \_\_\_\_\_  
 9 V \_\_\_\_\_  
 Class III \_\_\_\_\_  
 Standard \_\_\_\_\_

**Physical**

length 130 mm \_\_\_\_\_  
 width 341 mm \_\_\_\_\_  
 height 130 mm \_\_\_\_\_  
 0.34 kg \_\_\_\_\_

**Cutout**

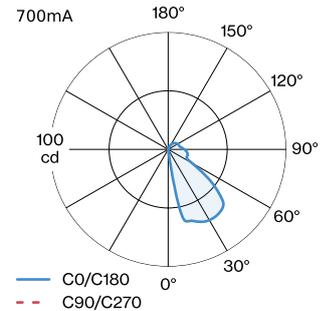
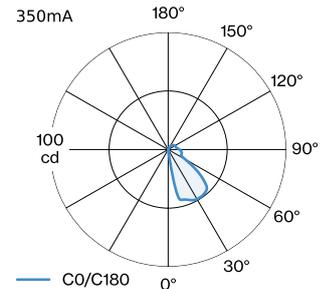
length 115 mm \_\_\_\_\_  
 width 117 mm \_\_\_\_\_  
 min. ceiling thickness 12 mm \_\_\_\_\_  
 recessed depth 40 mm \_\_\_\_\_

**datasheet.quicksum.material**

Aluminium \_\_\_\_\_

<sup>a</sup> Colour may deviate slightly due to production conditions  
<sup>b</sup> Without electrical and optical losses

**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
RETO 1.3			120-55-120	90012040

**Recessed Housing incl. plasterkit**

Type	Colour	Voltage	L·W·H (MM)	Item number
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