



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

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

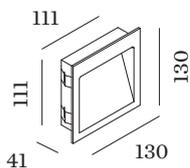
**NOTES** \_\_\_\_\_

**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 IP20; Class 3; driver not included; light source not replaceable;



**LUMINAIRE**

Wall \_\_\_\_\_

Recessed \_\_\_\_\_

Black Matt \_\_\_\_\_

RAL 9011 <sup>a</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

Interior \_\_\_\_\_

70 lm / 350mA \_\_\_\_\_

100 lm / 700mA \_\_\_\_\_

**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**

Asymmetric \_\_\_\_\_

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 \_\_\_\_\_

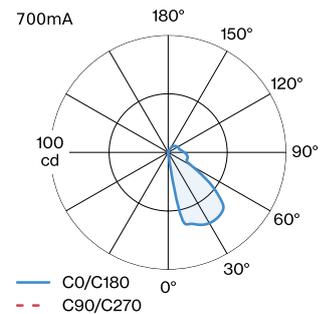
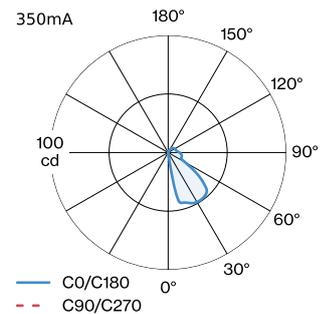
recessed depth 40 mm \_\_\_\_\_

**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	$LMF \times RSMF \times LLMF \times LSF$	RSMF <sup>a</sup>	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire 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
6W   350mA   3-22V		3-22V	68-35-21	90213202
7W   700mA   3-10.5V   IP67		3-10,5V	57-41-24	90215301