



PROJECT

TYPE

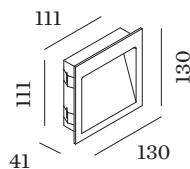
NOTES

QUANTITY

DATE



Rectangular wall recessed luminaire made from aluminium; surface White Matt; powder coated; matt texture; RAL 9010; recessed depth 40 mm; suitable for ceiling thickness of min. 12 mm; PCB 3-step binning; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; degree of protection IP20; Class 3; driver not included; light source not replaceable;



Luminaire

Wall
Recessed
White Matt
RAL 9010 ^a
IP20
Interior
220 lm / 700mA
145 lm / 350mA

Module

3000 K
CRI ≥ 90
L70 / 60000h
initial MacAdam ≤ 3 SDCM
144 lm / 350mA
46 lm/W ^b
3.1 W ^b

Optical

Asymmetric
CIE flux code: 44 78 91 84 100

Electrical

excl. driver
9 V
Class 3

Physical

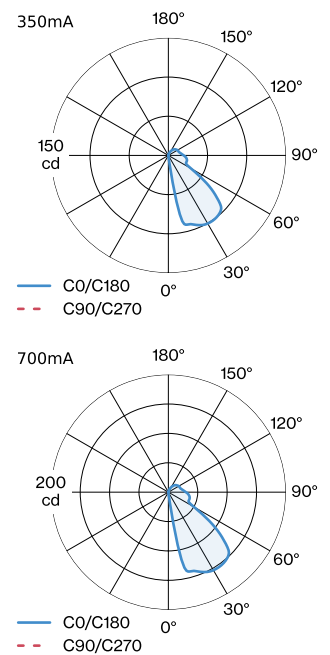
length 130 mm
width 341 mm
height 130 mm
0.34 kg

Cutout

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

^a Colour may deviate slightly due to production conditions
^b Without electrical 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^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

^aAccording 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
6W 350mA 3-22V		3-22V	68-35-21	90213202
7W 700mA 3-10.5V IP67		3-10,5V	57-41-24	90215301