



## PROJECT

## TYPE

## NOTES

## QUANTITY

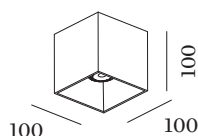
## DATE



IP65



Squared ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2000 - 3000 K colour warm dimming;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 90$ ; 220 - 240 V; degree of protection IP65; Class I; optional single inner reflector and single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



## LUMINAIRE

Ceiling  
Surface  
Black Matt  
RAL 9011<sup>a</sup>  
IP65  
Exterior  
400 lm

## LED Module

colour warm dimming  
2000 - 3000 K  
CRI  $\geq 90$   
L70 / 50000h  
 $\leq 3$  SDCM (initial MacAdam)  
545 lm  
90 lm/W<sup>b</sup>

## Optical

Medium (standard)  
beam angle 21°  
CIE flux code: 94 100 100 100 100

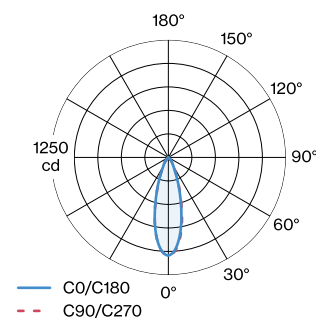
## Electrical

phase-cut dim  
220 - 240 V  
system 8.1 W  
Class I

## Physical

length 100 mm  
width 100 mm  
height 100 mm  
0.67 kg

## LIGHT DISTRIBUTION



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



## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.95	0.91	0.86	0.82	0.77
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.

## OPTICAL ACCESSORIES

### Single Inner Cover

Type	Colour	Voltage	L·W·H (MM)	Item number
BOX   max. 10W	Black		62-62-49	911011B1
BOX   max. 10W	Dark Grey Texture		62-62-49	911011D1
BOX   max. 10W	Bronze		62-62-49	911011Q1
BOX   max. 10W	White		62-62-49	911011W1

### Single Inner Reflector

Type	Colour	Voltage	L·W·H (MM)	Item number
BOX   max. 10W	Black		93.5-93.5-50.5	911211B1
BOX   max. 10W	Dark Grey Texture		93.5-93.5-50.5	911211D1
BOX   max. 10W	Bronze		93.5-93.5-50.5	911211Q1
BOX   max. 10W	White		93.5-93.5-50.5	911211W1