



PROJECT _____

TYPE _____

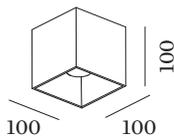
NOTES _____

QUANTITY _____

DATE _____



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; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; 220 - 240 V; degree of protection IP20; Class 1; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500$ cd/m²; 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 ^a _____
 IP20 _____
 Interior _____
 400 lm _____

LED Module

colour warm dimming _____
 2000 - 3000 K _____
 CRI ≥ 90 _____
 L70 / 50000h _____
 ≤ 3 SDCM (initial MacAdam) _____
 545 lm _____
 90 lm/W ^b _____

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 _____
 Standard _____

Physical

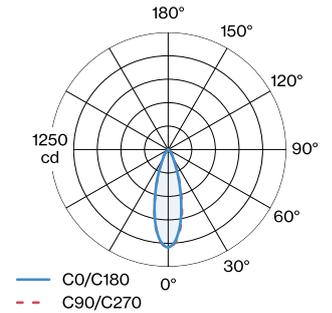
length 100 mm _____
 width 100 mm _____
 height 100 mm _____
 0.74 kg _____

datasheet.quicksum.material

Aluminium _____

^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses

LIGHT DISTRIBUTION




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 |

$$MF = LMF \times RSMF \times LLMF \times LSF$$

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.

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 | Gold | | 62-62-49 | 911011G1 |
| BOX max. 10W | Champagne | | 62-62-49 | 911011M1 |
| 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 | Gold | | 93.5-93.5-50.5 | 911211G1 |
| BOX max. 10W | Champagne | | 93.5-93.5-50.5 | 911211M1 |
| BOX max. 10W | White | | 93.5-93.5-50.5 | 911211W1 |