



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

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

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

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

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



**LUMINAIRE**

Ceiling \_\_\_\_\_

Surface \_\_\_\_\_

Black Matt + Bronze \_\_\_\_\_

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

IP20 \_\_\_\_\_

Interior \_\_\_\_\_

440 lm \_\_\_\_\_

**LED Module**

3000 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L80 / 55000h \_\_\_\_\_

≤ 2 SDCM (initial MacAdam) \_\_\_\_\_

555 lm \_\_\_\_\_

107 lm/W <sup>b</sup> \_\_\_\_\_

**Optical**

Medium (standard) \_\_\_\_\_

beam angle 30° \_\_\_\_\_

CIE flux code: 93 97 99 100 \_\_\_\_\_

100 \_\_\_\_\_

**Electrical**

phase-cut dim \_\_\_\_\_

220 - 240 V \_\_\_\_\_

system 6.8 W \_\_\_\_\_

Class I \_\_\_\_\_

Standard \_\_\_\_\_

**Physical**

length 70 mm \_\_\_\_\_

width 70 mm \_\_\_\_\_

height 85 mm \_\_\_\_\_

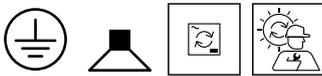
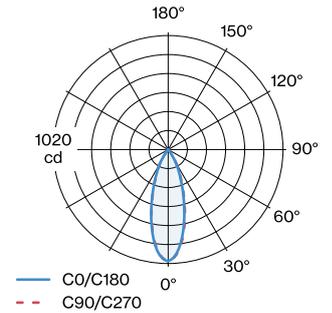
0.25 kg \_\_\_\_\_

**datasheet.quicksum.material**

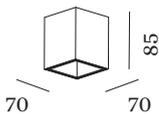
Aluminium \_\_\_\_\_

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

**LIGHT DISTRIBUTION**



Squared ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt + Bronze; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90; beam angle 30°; degree of protection IP20; Class 1; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;





**Maintenance Factor**

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.95	0.93	0.9	0.88
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.