



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



IP65



Squared ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9005; clear + frosted glass; PCB 3-step binning; phase-cut dim; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; degree of protection IP65; Class 1; light source not replaceable;

**GENERAL**

Ceiling / Wall  
Surface  
Black Matt  
RAL 9005 <sup>a</sup>  
IP65  
Exterior  
950 lm  
CIE flux code: 44 74 92 91 100

**LED**

3000 K  
CRI  $\geq 90$   
L80 / 50000h  
initial MacAdam  $\leq 3$  SDCM

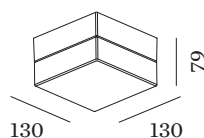
**ELECTRICAL**

phase-cut dim  
220 - 240 V  
system 9.6 W  
Class 1

**PHYSICAL**

length 130 mm  
width 130 mm  
height 79 mm  
1.3 kg

<sup>a</sup> Colour may deviate slightly due to production conditions.




**Maintenance Factor**

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.95	0.92	0.89	0.86
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.