



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

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

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

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

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



**GENERAL**

Ceiling / Wall \_\_\_\_\_

Surface \_\_\_\_\_

Black Matt \_\_\_\_\_

RAL 9005 <sup>a</sup> \_\_\_\_\_

IP65 \_\_\_\_\_

Exterior \_\_\_\_\_

950 lm \_\_\_\_\_

CIE flux code: 40 71 91 90 100 \_\_\_\_\_

**LED**

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

CRI ≥ 90 \_\_\_\_\_

L80 / 50000h \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

**ELECTRICAL**

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

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

system 9.6 W \_\_\_\_\_

Class 1 \_\_\_\_\_

**PHYSICAL**

diameter 130 mm \_\_\_\_\_

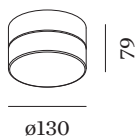
height 79 mm \_\_\_\_\_

1 kg \_\_\_\_\_



Round ceiling surface luminaire made from 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 ≤ 3 SDCM; CRI ≥ 90; degree of protection IP65; Class 1; light source not replaceable;

<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.