



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

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

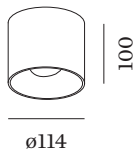
**NOTES** \_\_\_\_\_

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

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



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9005; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; 220 - 240 V; degree of protection IP65; Class 1; optional single inner cover available;



**GENERAL**

Ceiling \_\_\_\_\_

Surface \_\_\_\_\_

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

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

IP65 \_\_\_\_\_

Exterior \_\_\_\_\_

525 lm \_\_\_\_\_

CIE flux code: 95 100 100 100 \_\_\_\_\_

100 \_\_\_\_\_

**LED**

2700 K \_\_\_\_\_

CRI  $\geq 80$  \_\_\_\_\_

L70 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

**OPTICAL**

Standard \_\_\_\_\_

beam angle 32° \_\_\_\_\_

**ELECTRICAL**

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

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

system 7.9 W \_\_\_\_\_

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

**PHYSICAL**

diameter 114 mm \_\_\_\_\_

height 100 mm \_\_\_\_\_

0.63 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	0.95	0.9	0.85	0.8	0.76
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.