



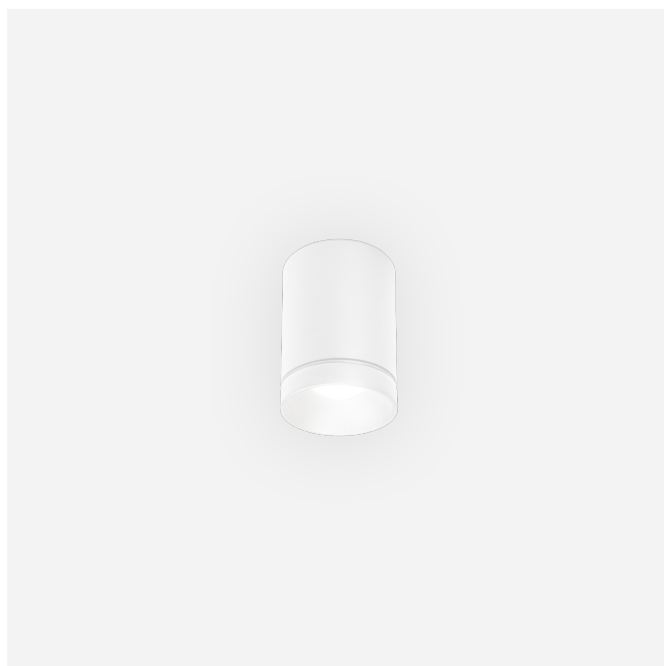
**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



**IP65**



Cylindrical ceiling surface mounted downlight made from die-cast aluminium with opal glass lens; surface White Matt; powder coated; matt texture; RAL 9010; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; CRI (Colour Rendering Index)  $\geq 90$ ; degree of protection IP65; Class 1; IC rated; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;

**Luminaire**

Ceiling  
Surface  
White Matt  
RAL 9010 <sup>a</sup>  
IP65  
Exterior  
455 lm

**Module**

2700 K  
CRI  $\geq 90$   
L80 / 55000h  
 $\leq 2$  SDCM (initial MacAdam)  
456 lm  
42 lm/W <sup>b</sup>

**Optical**

Extreme wide  
beam angle 105°  
CIE flux code: 55 87 98 100  
100

**Electrical**

phase-cut dim  
220 - 240 V  
system 10.9 W  
Class 1

**Physical**

diameter 80 mm  
height 107 mm  
0.53 kg

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

<sup>b</sup> Without electrical losses





## CONE DIAGRAM

extreme wide 103°

h (m)	E0° (lx)	ø (m)
1	186	2.52
2	46	5.04
3	21	7.57
4	12	10.09
5	7	12.61

## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens 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.