



**PROJECT**

**TYPE**

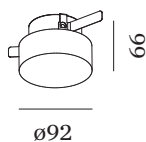
**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed luminaire made from aluminium; opal PMMA cover; RAL 9003; installation without tools using blade springs; recessed depth 50 mm; PCB 3-step binning; phase-cut dim; light colour 3000 K;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 90$ ; degree of protection IP44; Class 2; IC rated; light source not replaceable;



**LUMINAIRE**

Ceiling  
Semi-Recessed  
Clear/Opal PMMA  
RAL 9003 <sup>a</sup>  
front IP44  
back IP20  
IC rated  
Interior  
640 lm

**LED Module**

3000 K  
CRI  $\geq 90$   
L80 / 60000h  
 $\leq 3$  SDCM (initial MacAdam)

**Optical**

Opal  
CIE flux code: 39 69 89 84 100

**Electrical**

phase-cut dim  
220 - 240 V  
system 7.2 W  
Class II

**Physical**

diameter 92 mm  
height 66 mm  
0.24 kg  
blade springs

**Cutout**

diameter 76-79 mm  
min. ceiling thickness 8 mm  
recessed depth 50 mm

<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 × 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.

**ELECTRICAL ACCESSORIES**
**Dimmer**

Type	Colour	Voltage	L·W·H (MM)	Item number
for switch		230V	46·17.5·46	90019017
DIN RAIL	White	230V	17·55·90	90019018