



**PROJECT**

**TYPE**

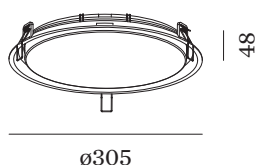
**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed luminaire made from aluminium; opal PMMA cover; surface White Matt; powder coated; matt texture; RAL 9010; installation without tools using blade springs; recessed depth 50 mm; suitable for ceiling thickness of 4-22 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 I; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**LUMINAIRE**

Ceiling  
Recessed  
White Matt  
RAL 9010 <sup>a</sup>  
front IP44  
back IP20  
Interior  
1740 lm

**LED Module**

3000 K  
CRI  $\geq 90$   
L80 / 60000h  
 $\leq 3$  SDCM (initial MacAdam)  
2150 lm  
117 lm/W <sup>b</sup>

**Optical**

Opal  
CIE flux code: 46 77 94 100  
100

**Electrical**

phase-cut dim  
220 - 240 V  
system 18.4 W  
Class I

**Physical**

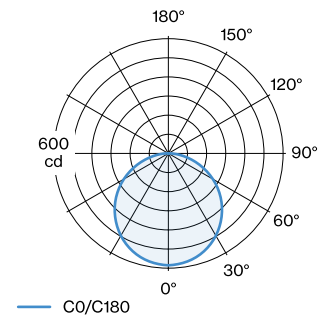
diameter 305 mm  
height 48 mm  
1.05 kg  
wire springs

**Cutout**

diameter 297-300 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 22 mm  
recessed depth 50 mm

<sup>a</sup> Colour may deviate slightly due to production conditions  
<sup>b</sup> Without electrical and optical losses

**LIGHT DISTRIBUTION**





## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.95	0.93	0.91	0.89
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.