



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

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

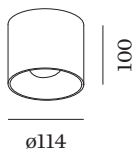
**NOTES** \_\_\_\_\_

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

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



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Copper; wet painted; brushed; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; 220 - 240 V; degree of protection IP20; Class 1; UGR ≤ 13; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; optional single inner cover available;



**GENERAL**

Ceiling \_\_\_\_\_  
 Surface \_\_\_\_\_  
 Copper \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 Interior \_\_\_\_\_  
 CIE flux code: 95 99 100 100 \_\_\_\_\_  
 100 \_\_\_\_\_

**LED**

2700 K \_\_\_\_\_  
 CRI ≥ 80 \_\_\_\_\_  
 L70 / 50000 h \_\_\_\_\_  
 initial MacAdam ≤ 3 SDCM \_\_\_\_\_

**OPTICAL**

Standard \_\_\_\_\_  
 beam angle 21° \_\_\_\_\_

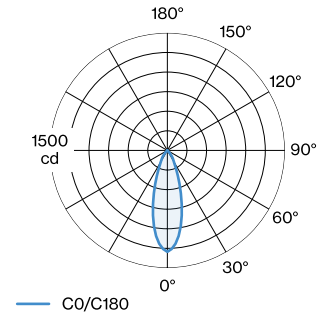
**ELECTRICAL**

phase-cut dim \_\_\_\_\_  
 220 - 240 V \_\_\_\_\_  
 7.9 W \_\_\_\_\_  
 Class 1 \_\_\_\_\_

**PHYSICAL**

diameter 114 mm \_\_\_\_\_  
 height 100 mm \_\_\_\_\_  
 0.7 kg \_\_\_\_\_

**LIGHT DISTRIBUTION**



[146764P2] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.



**CONE DIAGRAM**

standard 32°

h (m)	E0° (lx)	ø (m)
1	1290	0.58
2	320	1.16
3	140	1.73
4	80	2.31
5	50	2.89

**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.

**OPTICAL ACCESSORIES**

**Single Inner Cover**

Type	Colour	Ø·H (MM)	Item number
RAY   max. 10W	Black	67·54	911041B1
RAY   max. 10W	Gold	67·54	911041G1
RAY   max. 10W	Champagne	67·54	911041M1
RAY   max. 10W	White	67·54	911041W1

[146764P2] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.