



WEVER & DUCRÉ
LIGHTING

PLANO SURFACE 2.0 LED

118664B9

Project	
Type	
Notes	
Quantity	
Date	

GENERAL

Ceiling , Surface
Tilt max 30°
Rotation 355°
Black Matt
RAL 9005^a
IP20
Interior
Output: 990 lm
CIE flux code: 98 100 100 100 100

LED

colour warm dimming
2000 K - 3000 K
CRI ≥ 90
L70 / 50000h
3 SDCM

OPTICAL

Beam angle 38°

ELECTRICAL

phase-cut dim
220 - 240 V
Total connected power 21.2 W
Class 1

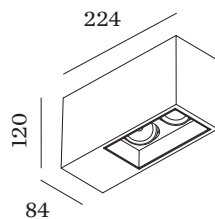
PHYSICAL

Length 224 mm
Width 84 mm
Height 120 mm
1.62 kg

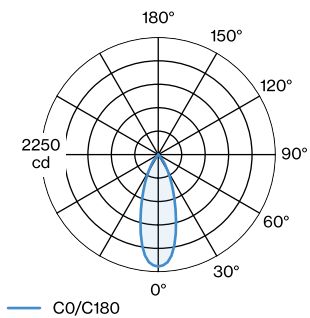
^a Color may deviate slightly due to production conditions.



Rectangular ceiling surface mounted downlight with 2 spots 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 2000 K - 3000 K colour warm dimming; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; beam angle 38°; 355° rotatable and 30° tiltable; degree of protection IP20; PC1; driver included; light source replaceable by an authorized professional; control gear replaceable by end-user;



LIGHT DISTRIBUTION



[118664B9] 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 apply.
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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.95	0.91	0.86	0.82	0.77
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Faktor

^a 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.