



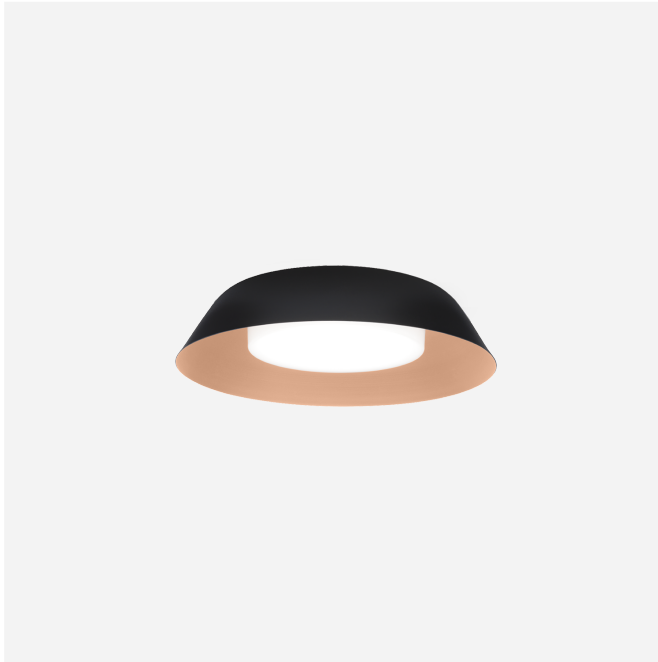
PROJECT

TYPE

NOTES

QUANTITY

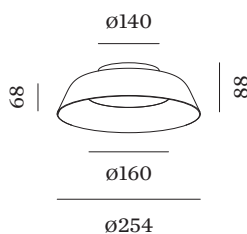
DATE



IP44



Round shape ceiling surface luminaire made from die-cast aluminium; surface Black Matt + Copper; wet painted, matt smooth; RAL 9011; opal PMMA cover; PCB 3-step binning; phase-cut dim; light colour 3000 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; degree of protection IP44; Class I; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Surface
Black Matt + Copper
RAL 9011^a
IP44
Interior
1090 lm

LED Module

3000 K
CRI ≥ 90
L80 / 60000h
 ≤ 3 SDCM (initial MacAdam)
1440 lm
117 lm/W^b

Optical

Opal
CIE flux code: 49 82 98 100
100

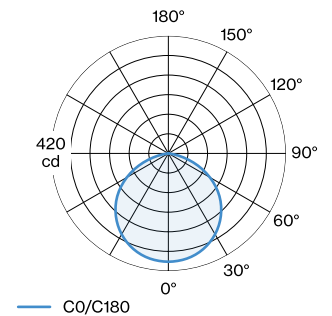
Electrical

phase-cut dim
220 - 240 V
system 12.3 W
Class I
Standard

Physical

diameter 254 mm
height 88 mm
1.15 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



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 × RSMF × LLMF × LSF

MF Maintenance Factor

LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

^aAccording 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