



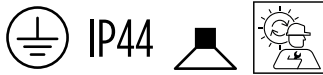
PROJECT _____

TYPE _____

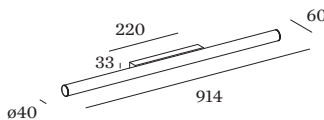
NOTES _____

QUANTITY _____

DATE _____



Tubular wall surface luminaire made from aluminium; surface Black Matt; powder coated; matt texture; opal PMMA; RAL 9011; PCB 3-step binning; light colour 3000 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; inclusive output selector (choose between low and high luminosity); degree of protection IP44; Class I; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Wall
Surface
Black Matt + Opal PMMA
RAL 9011 ^a
IP44
Interior
770 lm / Low Output
1350 lm / High Output

LED Module

3000 K
CRI ≥ 90
L80 / 50000h
≤ 3 SDCM (initial MacAdam)
820 / 1430 lm
107 / 118 lm/W ^b

Optical

Opal
CIE flux code: 28 54 78 50 100

Electrical

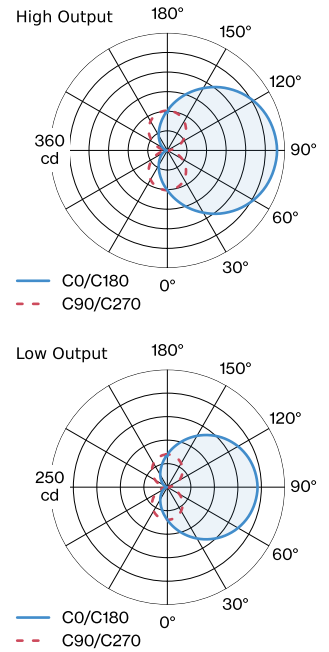
incl. output selector phase-cut dim
220 - 240 V
system 7.7 / 12.1 W
Class I
Standard

Physical

length 914 mm
width 60 mm
height 40 mm
0.73 kg

^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses

LIGHT DISTRIBUTION





Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.97	0.94	0.91	0.89	0.86
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 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.