



PROJECT _____

TYPE _____

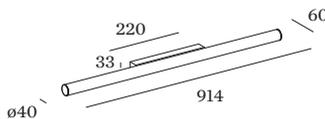
NOTES _____

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

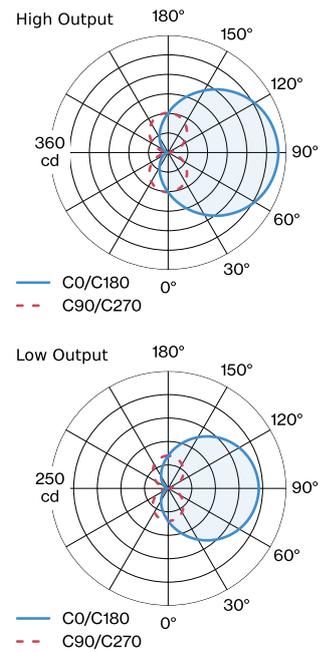
length 914 mm _____
 width 60 mm _____
 height 40 mm _____
 0.73 kg _____

datasheet.quicksum.material

Aluminium _____

^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.