



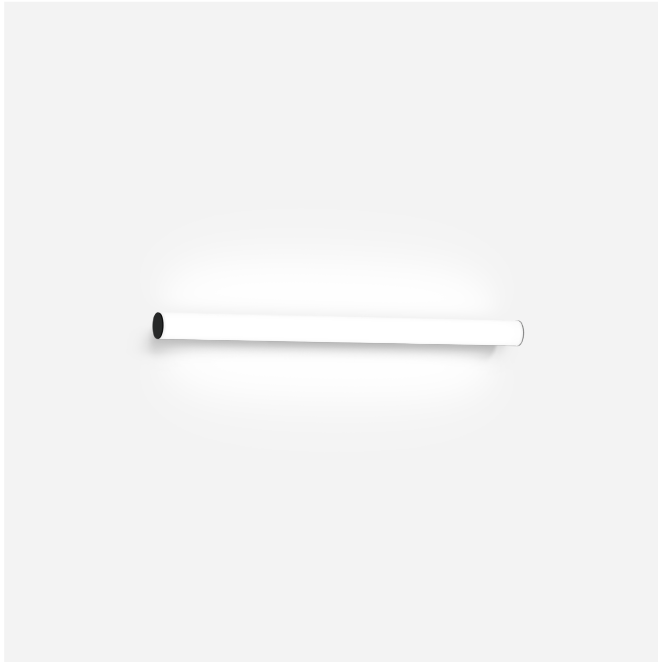
PROJECT

TYPE

NOTES

QUANTITY

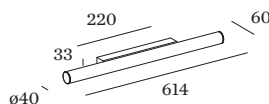
DATE



IP44



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
960 lm / High Output
575 lm / Low Output

LED Module

3000 K
CRI ≥ 90
L80 / 50000h
 ≤ 3 SDCM (initial MacAdam)
610 / 1020 lm
105 / 118 lm/W^b

Optical

Opal
CIE flux code: 28 54 78 50 100

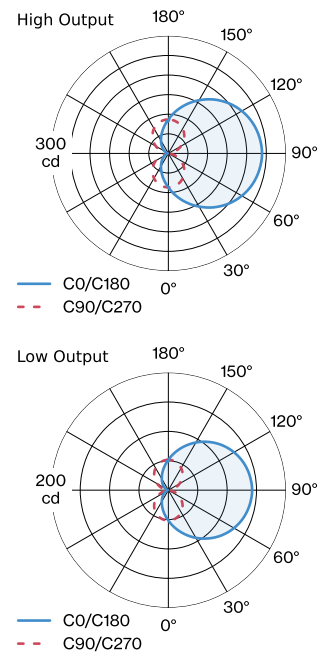
Electrical

incl. output selector | phase-cut dim
220 - 240 V
system 5.8 / 8.7 W
Class I
Standard

Physical

length 614 mm
width 60 mm
height 40 mm
0.54 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	$LMF \times RSMF \times LLMF \times LSF$	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.