



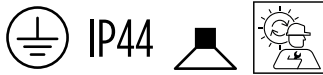
PROJECT _____

TYPE _____

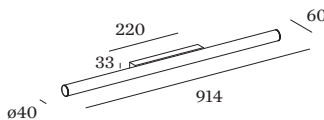
NOTES _____

QUANTITY _____

DATE _____



Tubular wall surface luminaire made from aluminium; surface White Matt; powder coated; matt texture; opal PMMA; RAL 9010; 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 _____
 White Matt + Opal PMMA _____
 RAL 9010 ^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

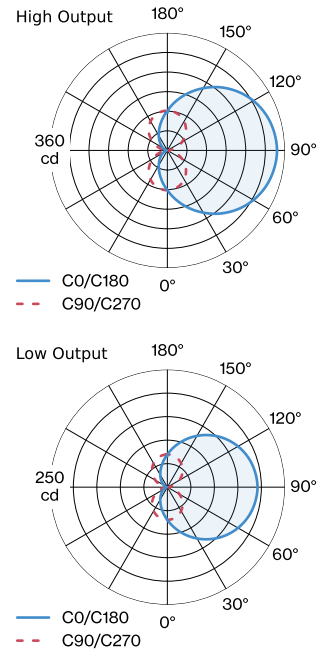
incl. output selector | phase-cut dim _____
 220 - 240 V _____
 system 7.7 / 12.1 W _____
 Class I _____
 Standard _____

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.