

Lightsource Test Report

Product Information

Product Category: LED-Röhre
 Product Spec: LEDtube-021-5CWM-4W-TRF
 Manufacturer: METOLIGHT
 Buyer: 7709

Product Type: LED-Röhre-TRF
 Product Number: 1
 Submitted Unit: 103443

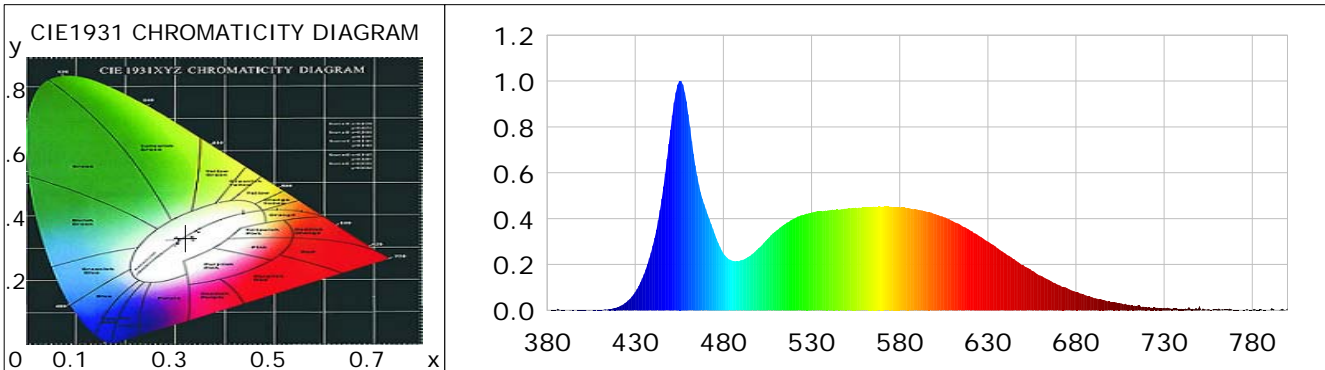
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3211$ $y=0.3326$ $u(u')=0.2023$ $v=0.3143$ $v'=0.4714$
 CCT: $T_c=6050K$ ($duv=0.00090$) Color Ratio: $R=0.145$ $G=0.799$ $B=0.056$
 Peak Wavelength: 455.6nm Half Bandwidth: 22.3nm
 Dominant Wavelength: 490.9nm Color Purity: 0.042
 CRI: $R_a=84.9$ TM30: $R_f=82$, $R_g=94$
 GAI: $GAI_BB_8=92.2$, $GAI_BB_15=98.1$, $GAI_EES=87.9$

R1 =84	R2 =91	R3 =93	R4 =83	R5 =84	R6 =85	R7 =88	R8 =72
R9 =20	R10=77	R11=82	R12=57	R13=87	R14=96	R15=81	

Color Quality Scale: $Q_a=81.2$, $Q_f=81.1$, $Q_p=81.6$, $Q_g=92.1$

Q1 =83	Q2 =99	Q3 =77	Q4 =69	Q5 =76	Q6 =79	Q7 =86	Q8 =90
Q9 =96	Q10=87	Q11=82	Q12=82	Q13=83	Q14=74	Q15=78	



Photometric Parameters

Luminous Flux: 453.26 lm Efficiency: 113.88 lm/W Radiant Power: 1.448 W
 Total mains efficacy: 133.93 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 231.00V Current: 0.0173A Power: 3.98W
 Power Factor: 0.8770 Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 2.00m, 4PI
 Max of Signal: 46459 (2542) CCD Integration Time: 395.67 ms