

Lightsource Test Report

Product Information

Product Category: LED-Röhren
 Product Spec: LEDtube-145-5DWM-HO-24W-TRF
 Manufacturer: METOLIGHT
 Buyer: 5931

Product Type: LED-Röhren-TRF
 Product Number: 1
 Submitted Unit: 101498

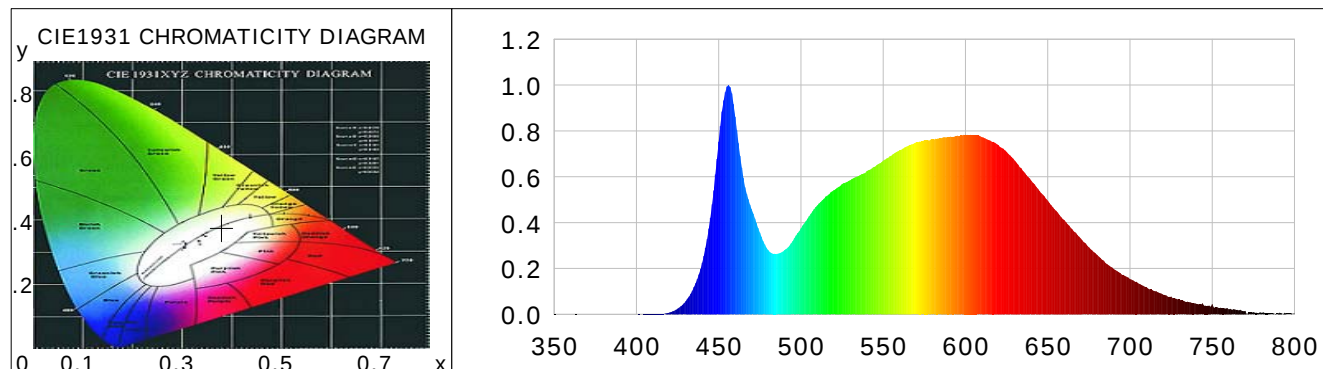
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3802$ $y=0.3770$ $u(u')=0.2249$ $v=0.3344$ $v'=0.5016$
 CCT: $T_c=4007K$ ($duv=0.00015$) Color Ratio: $R=0.188$ $G=0.772$ $B=0.039$
 Peak Wavelength: 455.9nm Half Bandwidth: 21.7nm
 Dominant Wavelength: 597.9nm Color Purity: 0.272
 CRI: $R_a=86.2$ TM30: $R_f=84$, $R_g=95$
 GAI: $GAI_BB_8=92.8$, $GAI_BB_15=100.8$, $GAI_EES=73.3$

R1 =85	R2 =92	R3 =96	R4 =83	R5 =84	R6 =88	R7 =88	R8 =72
R9 =31	R10=80	R11=82	R12=60	R13=87	R14=98	R15=82	

Color Quality Scale: $Q_a=84.8$, $Q_f=85.0$, $Q_p=84.5$, $Q_g=93.4$

Q1 =85	Q2 =98	Q3 =81	Q4 =76	Q5 =80	Q6 =83	Q7 =87	Q8 =90
Q9 =98	Q10=91	Q11=88	Q12=87	Q13=87	Q14=80	Q15=82	



Photometric Parameters

Luminous Flux: 2443.1 lm Efficiency: 109.56 lm/W Radiant Power: 7.713 W
 Total mains efficacy: 128.84 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.60V Current: 0.0967A Power: 22.30W
 Power Factor: 0.9270 Frequency: 49.99Hz

Test Information

Scan Range: 350~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 2.00m, 4PI
 Max of Signal: 46247 (2398) CCD Integration Time: 92.69 ms