

Lightsource Test Report

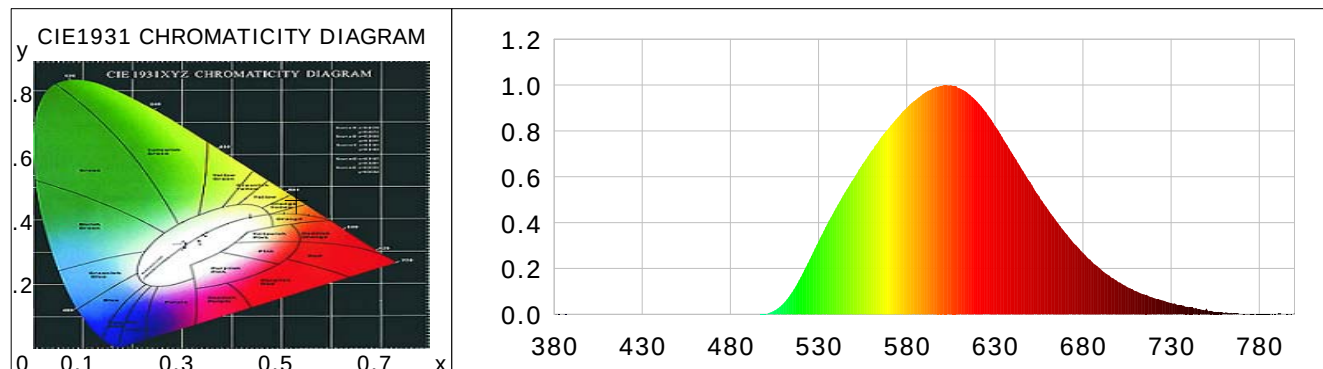
Product Information

Product Category: LED-Röhre
Product Spec: LEDtube-470-150-T8-23W
Manufacturer: METOLIGHT

Product Type: LED-Röhre-UVL
Product Number: 1
Submitted Unit: 101270

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5311$ $y=0.4645$ $u(u')=0.2828$ $v=0.3710$ $v'=0.5565$
CCT: $T_c=2276K$ ($duv=0.01461$) Color Ratio: $R=0.256$ $G=0.744$ $B=0.000$
Peak Wavelength: 601.3nm Half Bandwidth: 113.6nm
Dominant Wavelength: 583.2nm Color Purity: 0.989
CRI: $R_a=53.0$ TM30: $R_f=19$, $R_g=10$
GAI: $GAI_BB_8=1.0$, $GAI_BB_15=1.1$, $GAI_EES=0.4$
 $R1=54$ $R2=65$ $R3=65$ $R4=42$ $R5=48$ $R6=49$ $R7=67$ $R8=34$
 $R9=-50$ $R10=22$ $R11=21$ $R12=-1$ $R13=54$ $R14=80$ $R15=47$
Color Quality Scale: $Q_a=0.4$, $Q_f=0.8$, $Q_p=0.0$, $Q_g=5.7$
 $Q1=46$ $Q2=7$ $Q3=0$ $Q4=3$ $Q5=23$ $Q6=50$ $Q7=35$ $Q8=2$
 $Q9=0$ $Q10=0$ $Q11=0$ $Q12=0$ $Q13=0$ $Q14=2$ $Q15=50$



Photometric Parameters

Luminous Flux: 2185.0 lm Efficiency: 97.07 lm/W Radiant Power: 5.872 W
Total mains efficacy: 114.15 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.70V Current: 0.1040A Power: 22.51W
Power Factor: 0.9320 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: 46715 (2466) CCD Integration Time: 207.04 ms