

Lightsource Test Report

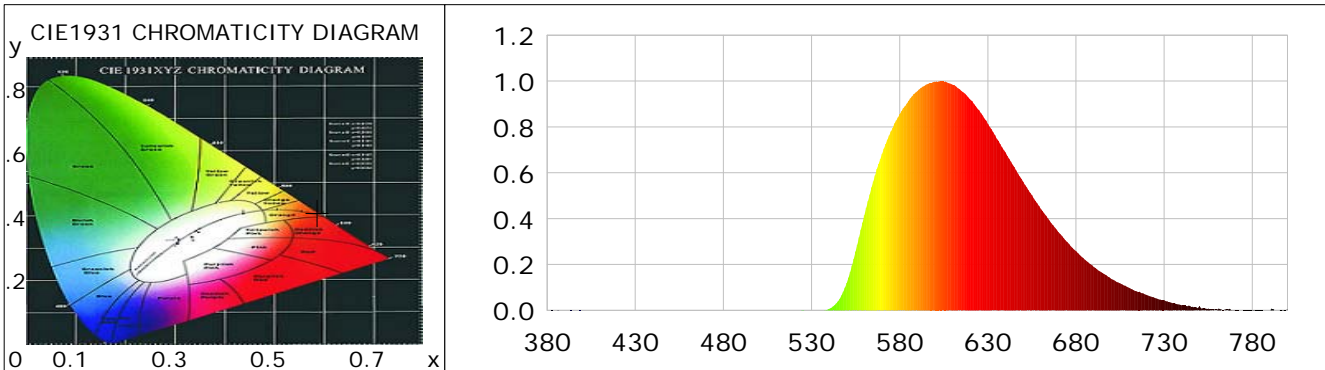
Product Information

Product Category: LED-Röhren
 Product Spec: LEDtube-UVL-500-090-T8-14W
 Manufacturer: METOLIGHT

Product Type: LED-Röhren-UVL
 Product Number: 1
 Submitted Unit: 101501

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5875$ $y=0.4115$ $u(u')=0.3475$ $v=0.3651$ $v'=0.5476$
 CCT: $T_c=1581K$ ($duv=0.00456$) Color Ratio: $R=0.355$ $G=0.645$ $B=0.000$
 Peak Wavelength: 603.4nm Half Bandwidth: 92.4nm
 Dominant Wavelength: 592.2nm Color Purity: 0.999
 CRI: $R_a=34.8$ TM30: $R_f=15$, $R_g=6$
 GAI: $GAI_BB_8=0.9$, $GAI_BB_15=1.0$, $GAI_EES=0.1$
 $R1=24$ $R2=63$ $R3=75$ $R4=2$ $R5=15$ $R6=46$ $R7=53$ $R8=-7$
 $R9=-101$ $R10=34$ $R11=-33$ $R12=-3$ $R13=25$ $R14=85$ $R15=23$
 Color Quality Scale: $Q_a=0.1$, $Q_f=0.2$, $Q_p=0.0$, $Q_g=1.8$
 $Q1=44$ $Q2=14$ $Q3=0$ $Q4=0$ $Q5=0$ $Q6=4$ $Q7=25$ $Q8=21$
 $Q9=0$ $Q10=0$ $Q11=0$ $Q12=0$ $Q13=0$ $Q14=0$ $Q15=7$



Photometric Parameters

Luminous Flux: 1421.1 lm Efficiency: 106.69 lm/W Radiant Power: 4.379 W
 Total mains efficacy: 125.47 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.50V Current: 0.0578A Power: 13.32W
 Power Factor: 0.9330 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: 47332 (2246) CCD Integration Time: 360.34 ms