

Lightsource Test Report

Product Information

Product Category: LED COB

Product Type:

Product Number: 3

CIE Colorimetric Parameters

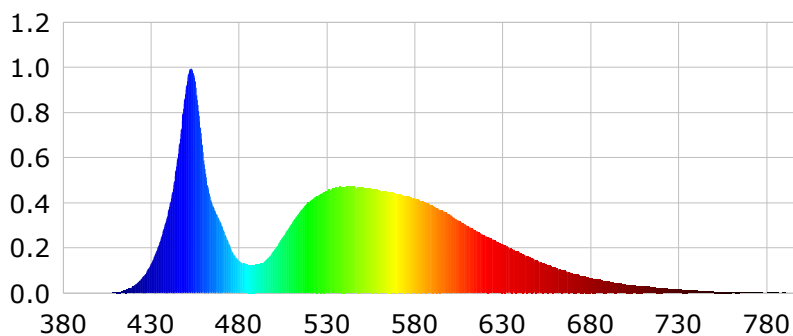
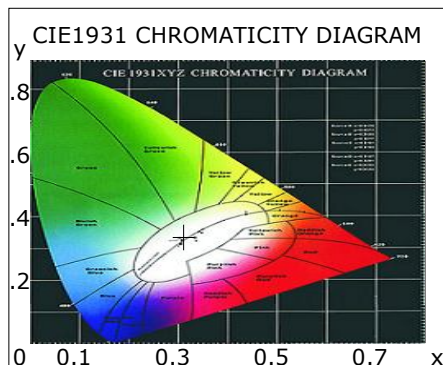
Chromaticity coordinates: $x=0.3107$ $y=0.3386$ $u(u')=0.1929$ $v=0.3154$ $v'=0.4731$ CCT: $T_c=6540K$ ($duv=0.00905$)Color Ratio: $R=0.117$ $G=0.839$ $B=0.044$

Peak Wavelength: 452.7nm

Half Bandwidth: 18.6nm

Dominant Wavelength: 494.7nm

Color Purity: 0.073

CRI: $R_a=73.8$ TM30: $R_f=75$, $R_g=91$ GAI: $GAI_BB_8=83.4$, $GAI_BB_15=90.6$, $GAI_EES=81.5$ $R1=70$ $R2=78$ $R3=82$ $R4=73$ $R5=71$ $R6=70$ $R7=85$ $R8=61$ $R9=-28$ $R10=47$ $R11=69$ $R12=39$ $R13=72$ $R14=90$ $R15=65$ Color Quality Scale: $Q_a=73.5$, $Q_f=73.3$, $Q_p=74.4$, $Q_g=87.3$ $Q1=81$ $Q2=97$ $Q3=69$ $Q4=60$ $Q5=69$ $Q6=72$ $Q7=77$ $Q8=85$ $Q9=93$ $Q10=78$ $Q11=73$ $Q12=74$ $Q13=75$ $Q14=61$ $Q15=69$ 

Photometric Parameters

Luminous Flux: 1090.4 lm

Efficiency: 92.72 lm/W

Radiant Power: 3.348 W

EEI: 0.14

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.28V

Current: 0.9580A

Power: 11.76W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 3 Sec ALC.: 1.0000

Max of Signal: 46758 (2085)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4 π

CCD Integration Time: 300.11 ms