

Lightsource Test Report

Product Infomation

Product Category: LED COB

Product Type:

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4370$ $y=0.4080$ $u(u')=0.2489$ $v=0.3486$ $v'=0.5229$

CCT: $T_c=3031K$ ($duv=0.00154$)

Color Ratio: $R=0.215$ $G=0.766$ $B=0.019$

Peak Wavelength: 597.6nm

Half Bandwidth: 128.0nm

Dominant Wavelength: 582.2nm

Color Purity: 0.536

CRI: $R_a=75.2$

TM30: $R_f=78$, $R_g=94$

GAI: $GAI_BB_8=87.8$, $GAI_BB_15=97.5$, $GAI_EES=51.2$

$R1=72$

$R2=84$

$R3=93$

$R4=72$

$R5=71$

$R6=77$

$R7=81$

$R8=52$

$R9=-13$

$R10=61$

$R11=66$

$R12=48$

$R13=74$

$R14=95$

$R15=66$

Color Quality Scale: $Q_a=75.5$, $Q_f=76.9$, $Q_p=76.9$, $Q_g=89.2$

$Q1=75$

$Q2=96$

$Q3=73$

$Q4=67$

$Q5=72$

$Q6=73$

$Q7=74$

$Q8=81$

$Q9=95$

$Q10=83$

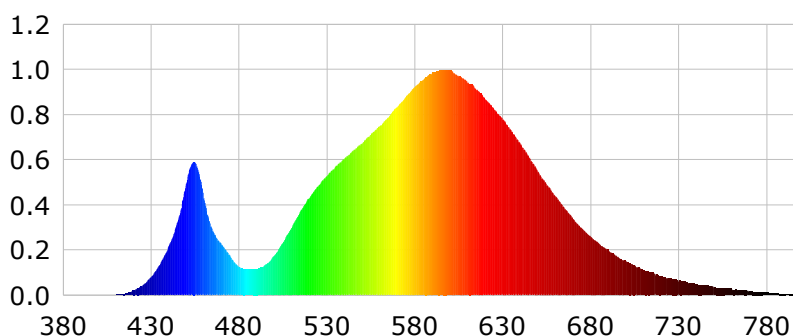
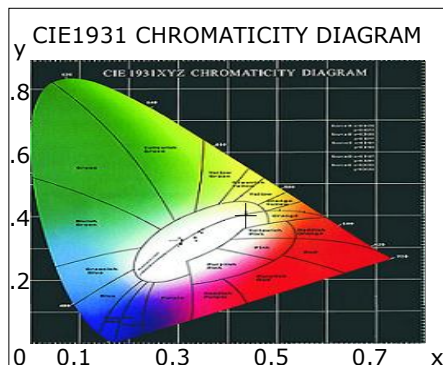
$Q11=79$

$Q12=78$

$Q13=77$

$Q14=65$

$Q15=69$



Photometric Parameters

Luminous Flux: 920.06 lm

Efficiency: 75.91 lm/W

Radiant Power: 2.693 W

EEI: 0.17

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

Electric Parameters

Voltage: 12.27V

Current: 0.9880A

Power: 12.12W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 3 Sec ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 47590 (2185)

CCD Integration Time: 702.58 ms