



Lightsource Test Report

Product Infomation

Product Category: LED COB

Product Number: 2

Product Type:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3796$ $y=0.3796$ $u(u')=0.2234$ $v=0.3351$ $v'=0.5027$

CCT: $T_c=4046K$ ($duv=0.00161$)

Color Ratio: $R=0.170$ $G=0.806$ $B=0.024$

Peak Wavelength: 450.6nm

Half Bandwidth: 17.6nm

Dominant Wavelength: 596.8nm

Color Purity: 0.279

CRI: $R_a=74.4$

TM30: $R_f=75$, $R_g=95$

GAI: $GAI_BB_8=89.6$, $GAI_BB_15=97.8$, $GAI_EES=71.4$

$R_1=72$

$R_2=80$

$R_3=84$

$R_4=74$

$R_5=71$

$R_6=71$

$R_7=84$

$R_8=59$

$R_9=-13$

$R_{10}=51$

$R_{11}=69$

$R_{12}=40$

$R_{13}=73$

$R_{14}=91$

$R_{15}=68$

Color Quality Scale: $Q_a=74.6$, $Q_f=74.1$, $Q_p=76.3$, $Q_g=91.7$

$Q_1=79$

$Q_2=96$

$Q_3=66$

$Q_4=62$

$Q_5=71$

$Q_6=73$

$Q_7=76$

$Q_8=84$

$Q_9=93$

$Q_{10}=79$

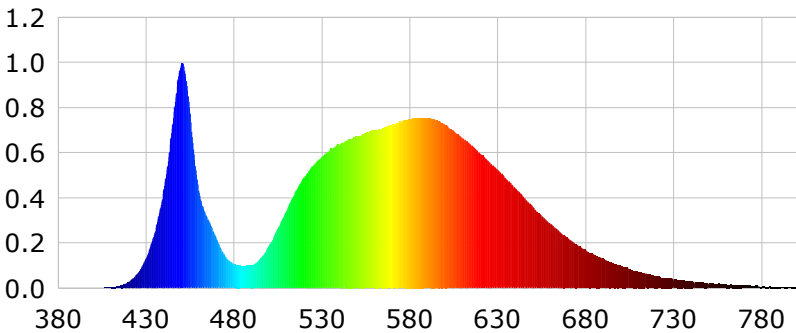
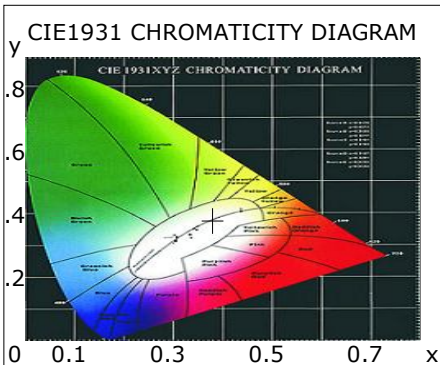
$Q_{11}=75$

$Q_{12}=76$

$Q_{13}=77$

$Q_{14}=65$

$Q_{15}=70$



Photometric Parameters

Luminous Flux: 1028.7 lm

EEI: 0.14

Efficiency: 90.56 lm/W

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

Radiant Power: 3.011 W

Electric Parameters

Voltage: 12.29V

Power Factor: 1.0000

Current: 0.9240A

Frequency: 0.00Hz

Power: 11.36W

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 3 Sec ALC.: 1.0000

Max of Signal: 53837 (2225)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4 π

CCD Integration Time: 597.19 ms

Condition: Tx:20.8'C, Ti:0.0'C, R.H.:60%

Test Lab:

Operator: 008

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2024-12-19 11:20:54

Inspector: