

Lightsource Test Report

Product Information

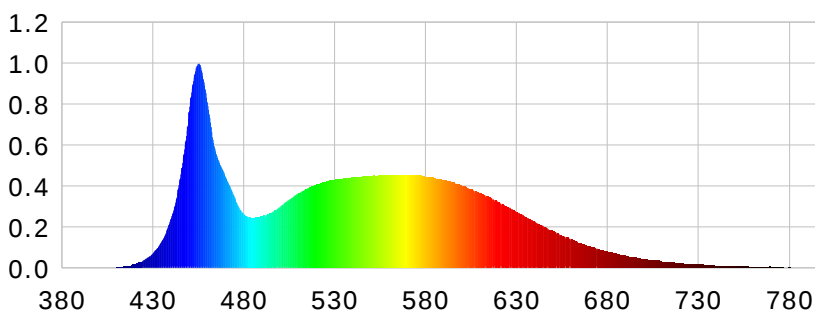
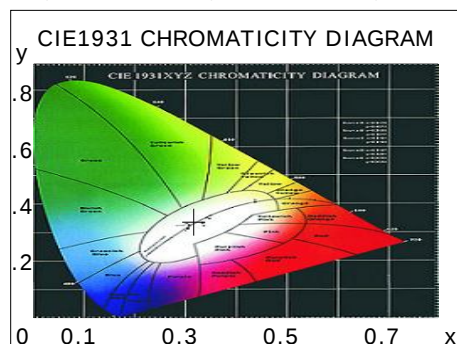
Product Category: 1403.04.05
Product Number: 146

Product Type: COB 50WATT

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3176$ $y=0.3387$ $u(u')=0.1976$ $v=0.3161$ $v'=0.4741$
CCT: $T_c=6194K$ ($duv=0.00567$) Color Ratio: $R=0.136$ $G=0.805$ $B=0.059$
Peak Wavelength: 455.3nm Half Bandwidth: 21.3nm
Dominant Wavelength: 496.1nm Color Purity: 0.050
CRI: $R_a=83.1$ TM30: $R_f=82$, $R_g=92$
GAI: $GAI_BB_8=87.5$, $GAI_BB_15=93.8$, $GAI_EES=84.1$

R1 =81	R2 =90	R3 =94	R4 =79	R5 =81	R6 =85	R7 =87	R8 =68
R9 =7	R10=76	R11=78	R12=55	R13=84	R14=97	R15=76	
Color Quality Scale: $Q_a=81.1$, $Q_f=81.4$, $Q_p=79.9$, $Q_g=89.5$							
Q1 =80	Q2 =97	Q3 =80	Q4 =72	Q5 =76	Q6 =78	Q7 =83	Q8 =89
Q9 =97	Q10=90	Q11=85	Q12=84	Q13=83	Q14=71	Q15=76	



Photometric Parameters

Luminous Flux: 3363.4 lm
EEL: 0.19

Efficiency: 73.25 lm/W
Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 10.692 W

Electric Parameters

Voltage: 231.10V
Power Factor: 0.4790

Current: 0.4150A
Frequency: 49.99Hz

Power: 45.92W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 43643 (2808)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 32.61 ms