

Lightsource Test Report

Product Information

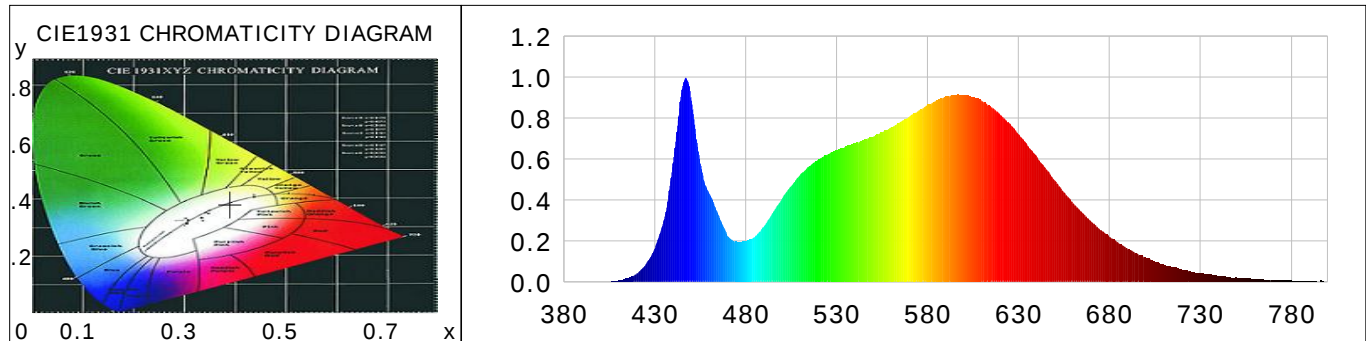
Product Category: 1403.04.05
Product Number: 149

Product Type: COB 20watt old

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3904$ $y=0.3827$ $u(u')=0.2292$ $v=0.3371$ $v'=0.5057$
CCT: $T_c=3786K$ ($duv=0.00001$) Color Ratio: $R=0.192$ $G=0.778$ $B=0.031$
Peak Wavelength: 447.1nm Half Bandwidth: 18.4nm
Dominant Wavelength: 579.9nm Color Purity: 0.320
CRI: $R_a=83.0$ TM30: $R_f=84$, $R_g=98$
GAI: $GAI_BB_8=95.0$, $GAI_BB_15=100.1$, $GAI_EES=71.5$

R1 =82	R2 =88	R3 =93	R4 =84	R5 =82	R6 =84	R7 =86	R8 =66
R9 =12	R10=72	R11=84	R12=65	R13=83	R14=96	R15=76	
Color Quality Scale: $Q_a=83.2$, $Q_f=83.0$, $Q_p=84.1$, $Q_g=94.8$							
Q1 =82	Q2 =98	Q3 =79	Q4 =79	Q5 =84	Q6 =84	Q7 =85	Q8 =89
Q9 =97	Q10=87	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 1650.8 lm
EEL: 0.16

Efficiency: 84.27 lm/W
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 4.985 W

Electric Parameters

Voltage: 231.10V
Power Factor: 0.4920

Current: 0.1720A
Frequency: 49.99Hz

Power: 19.59W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 45589 (2934)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 123.34 ms