

Lightsource Test Report

Product Information

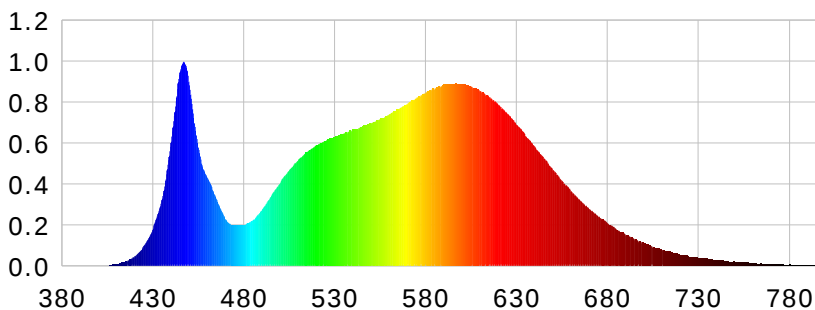
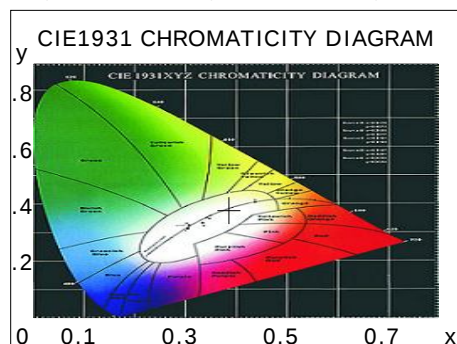
Product Category: 1403.04.05
Product Number: 148

Product Type: COB 30watt old

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3868$ $y=0.3799$ $u(u')=0.2280$ $v=0.3359$ $v'=0.5039$
CCT: $T_c=3854K$ ($duv=-0.00034$) Color Ratio: $R=0.189$ $G=0.780$ $B=0.032$
Peak Wavelength: 447.0nm Half Bandwidth: 18.8nm
Dominant Wavelength: 579.8nm Color Purity: 0.301
CRI: $R_a=82.9$ TM30: $R_f=83$, $R_g=98$
GAI: $GAI_BB_8=95.3$, $GAI_BB_15=100.3$, $GAI_EES=72.9$

R1 =82	R2 =88	R3 =93	R4 =84	R5 =82	R6 =84	R7 =86	R8 =66
R9 =11	R10=71	R11=83	R12=65	R13=83	R14=96	R15=76	
Color Quality Scale: $Q_a=82.9$, $Q_f=82.7$, $Q_p=83.9$, $Q_g=94.8$							
Q1 =82	Q2 =98	Q3 =79	Q4 =78	Q5 =83	Q6 =84	Q7 =85	Q8 =89
Q9 =97	Q10=87	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 2427.0 lm
EEL: 0.17

Efficiency: 79.63 lm/W
Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 7.341 W

Electric Parameters

Voltage: 231.10V
Power Factor: 0.4560

Current: 0.2890A
Frequency: 49.99Hz

Power: 30.48W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 45957 (2881)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 82.87 ms