

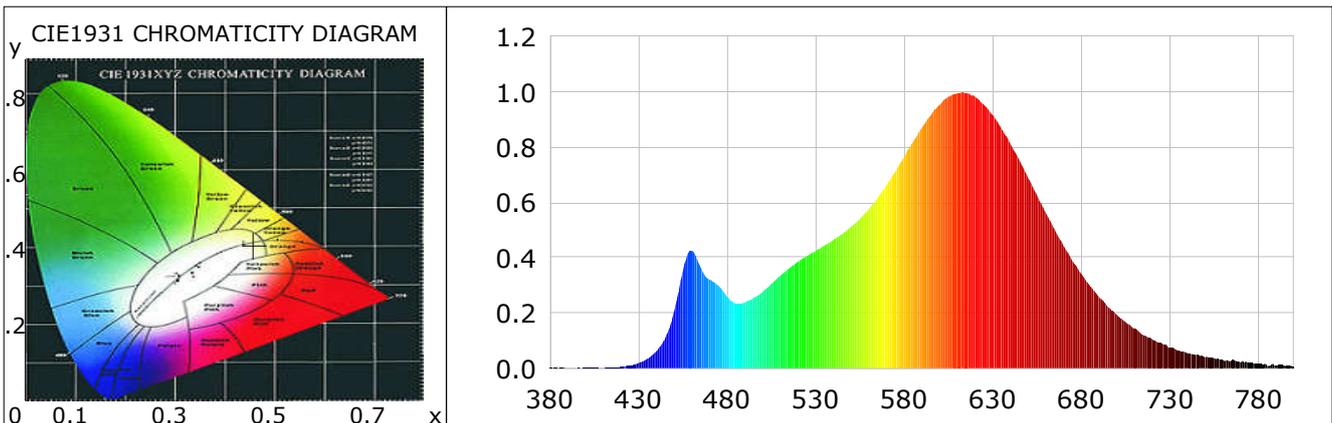
## Lightsource Test Report

### Product Information

Product Category: DSG3120-24-WW-33 (BV) Product Type: 0153  
Product Spec: BV-40 SW

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4601$   $y=0.4070$   $u(u')=0.2643$   $v=0.3507$   $v'=0.5260$   
 CCT:  $T_c=2669K$  ( $duv=-0.00135$ ) Color Ratio:  $R=0.264$   $G=0.708$   $B=0.028$   
 Peak Wavelength: 613.0nm Half Bandwidth: 117.3nm  
 Dominant Wavelength: 584.8nm Color Purity: 0.603  
 CRI:  $R_a=86.7$ ,  $avgR(1\sim14)=83.7$ ,  $avgR(1\sim15)=83.5$  TM30:  $R_f=84$ ,  $R_g=93$   
 $R_1=88$   $R_2=97$   $R_3=91$   $R_4=84$   $R_5=89$   $R_6=95$   $R_7=81$   $R_8=64$   
 $R_9=29$   $R_{10}=94$   $R_{11}=85$   $R_{12}=81$   $R_{13}=90$   $R_{14}=96$   $R_{15}=80$   
 Color Quality Scale:  $Q_a=85.9$ ,  $Q_f=88.2$ ,  $Q_p=87.9$ ,  $Q_g=90.6$   
 $Q_1=81$   $Q_2=92$   $Q_3=91$   $Q_4=84$   $Q_5=84$   $Q_6=85$   $Q_7=87$   $Q_8=89$   
 $Q_9=93$   $Q_{10}=95$   $Q_{11}=91$   $Q_{12}=88$   $Q_{13}=86$   $Q_{14}=79$   $Q_{15}=80$



### Photometric Parameters

Luminous Flux: 804.07 lm Efficiency: 84.02 lm/W Radiant Power: 2.609 W  
 EEI: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 23.999V Current: 0.3988A Power: 9.57W  
 Power Factor: 1.0000 Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 1 Sec  
 Max of Signal: 44696 (3893)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 345.22 ms

Condition:  $T_x=25.6^{\circ}C$ ,  $T_i=24.1^{\circ}C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-12-12 10:55:36  
 Inspector: