

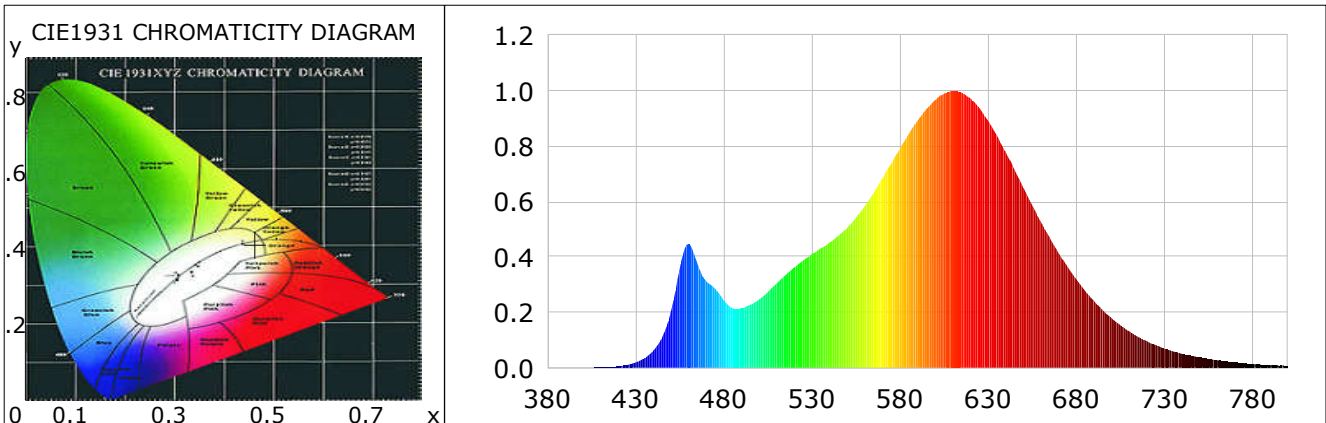
## Lightsource Test Report

### Product Information

Product Category: DSG2252-24-WW-33      Product Type: 1493  
Product Spec:

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4617$   $y=0.4060$      $u(u')=0.2658$   $v=0.3506$   $v'=0.5259$   
 CCT:  $T_c=2639K$  ( $duv=-0.00184$ )      Color Ratio:  $R=0.262$   $G=0.711$   $B=0.027$   
 Peak Wavelength: 609.4nm      Half Bandwidth: 113.0nm  
 Dominant Wavelength: 585.1nm      Color Purity: 0.605  
 CRI:  $R_a=83.8$ ,  $avgR(1\sim14)=80.1$ ,  $avgR(1\sim15)=79.8$     TM30:  $R_f=82$ ,  $R_g=93$   
 $R_1=84$      $R_2=95$      $R_3=91$      $R_4=80$      $R_5=85$      $R_6=95$      $R_7=78$      $R_8=59$   
 $R_9=17$      $R_{10}=90$      $R_{11}=79$      $R_{12}=79$      $R_{13}=87$      $R_{14}=96$      $R_{15}=76$   
 Color Quality Scale:  $Q_a=83.2$ ,  $Q_f=85.5$ ,  $Q_p=85.7$ ,  $Q_g=89.9$   
 $Q_1=79$      $Q_2=92$      $Q_3=87$      $Q_4=80$      $Q_5=81$      $Q_6=82$      $Q_7=84$      $Q_8=86$   
 $Q_9=93$      $Q_{10}=92$      $Q_{11}=88$      $Q_{12}=84$      $Q_{13}=83$      $Q_{14}=75$      $Q_{15}=77$



### Photometric Parameters

Luminous Flux: 3207.68 lm      Efficiency: 131.37 lm/W      Radiant Power: 10.215 W  
 EEI: 0.10      Energy Efficiency Class: A++ (EU 874-2012)

### Electric Parameters

Voltage: 24.000V      Current: 1.0174A      Power: 24.42W  
 Power Factor: 1.0000      Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm      Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 1 Sec      Photometric Condition: Sphere diameter: 1.50m, 4PI  
 Max of Signal: 50781 (3995)      CCD Integration Time: 93.57 ms

Condition:  $T_x=28.6^\circ C$ ,  $T_i=27.6^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-08-21 12:17:45  
 Inspector: