

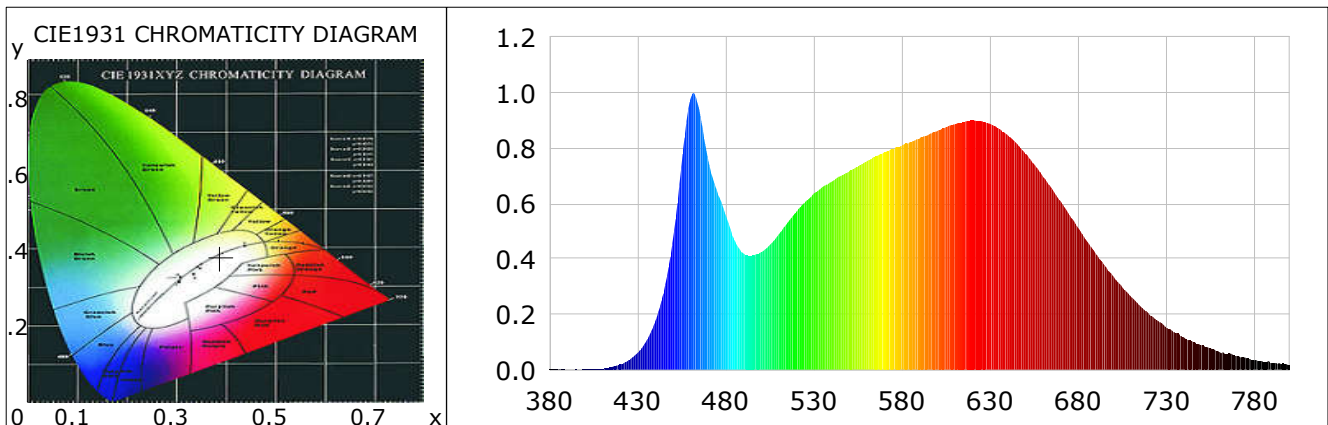
## Lightsource Test Report

### Product Information

Product Category: DSG2A300-24-NW-33      Product Type: 2841

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3902$   $y=0.3770$      $u(u')=0.2315$   $v=0.3354$   $v'=0.5032$   
 CCT:  $T_c=3744K$  ( $duv=-0.00258$ )      Color Ratio:  $R=0.210$   $G=0.741$   $B=0.048$   
 Peak Wavelength: 461.9nm      Half Bandwidth: 32.4nm  
 Dominant Wavelength: 581.4nm      Color Purity: 0.303  
 CRI:  $R_a=92.8$ ,  $avgR(1\sim14)=91.3$ ,  $avgR(1\sim15)=91.5$     TM30:  $R_f=85$ ,  $R_g=94$   
 $R_1=95$      $R_2=98$      $R_3=96$      $R_4=88$      $R_5=92$      $R_6=95$      $R_7=89$      $R_8=86$   
 $R_9=77$      $R_{10}=99$      $R_{11}=88$      $R_{12}=72$      $R_{13}=98$      $R_{14}=99$      $R_{15}=94$   
 Color Quality Scale:  $Q_a=90.4$ ,  $Q_f=90.3$ ,  $Q_p=90.3$ ,  $Q_g=96.0$   
 $Q_1=87$      $Q_2=94$      $Q_3=91$      $Q_4=84$      $Q_5=83$      $Q_6=85$      $Q_7=92$      $Q_8=95$   
 $Q_9=99$      $Q_{10}=98$      $Q_{11}=95$      $Q_{12}=94$      $Q_{13}=94$      $Q_{14}=93$      $Q_{15}=91$



### Photometric Parameters

Luminous Flux: 1488.15 lm      Efficiency: 77.06 lm/W      Radiant Power: 5.317 W  
 EEI: 0.18      Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 24.000V      Current: 0.8047A      Power: 19.31W  
 Power Factor: 1.0000      Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 1 Sec  
 Max of Signal: 42982 (4238)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 147.96 ms

Condition:  $T_x=29.9^\circ C$ ,  $T_i=28.9^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-08-02 15:59:36  
 Inspector: