

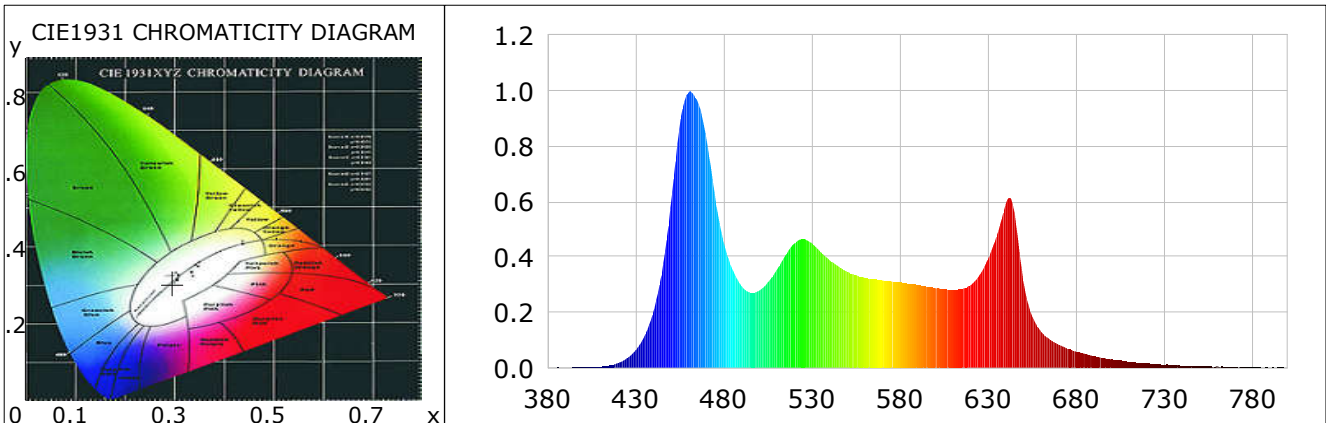
## Lightsource Test Report

### Product Information

Product Category: DSG5120-24-RGB+W-33 Product Spec:

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.2964$   $y=0.3059$   $u(u')=0.1950$   $v=0.3020$   $v'=0.4530$   
 CCT:  $T_c=7884K$  ( $duv=-0.00008$ ) Color Ratio:  $R=0.160$   $G=0.755$   $B=0.086$   
 Peak Wavelength: 461.1nm Half Bandwidth: 30.0nm  
 Dominant Wavelength: 481.4nm Color Purity: 0.149  
 CRI:  $R_a=84.8$ ,  $avgR(1\sim14)=78.9$ ,  $avgR(1\sim15)=78.6$  TM30:  $R_f=79$ ,  $R_g=97$   
 $R_1=81$   $R_2=90$   $R_3=92$   $R_4=81$   $R_5=84$   $R_6=90$   $R_7=85$   $R_8=70$   
 $R_9=16$   $R_{10}=86$   $R_{11}=86$   $R_{12}=60$   $R_{13}=83$   $R_{14}=93$   $R_{15}=73$   
 Color Quality Scale:  $Q_a=88.9$ ,  $Q_f=86.9$ ,  $Q_p=92.4$ ,  $Q_g=103.1$   
 $Q_1=81$   $Q_2=87$   $Q_3=96$   $Q_4=87$   $Q_5=84$   $Q_6=84$   $Q_7=93$   $Q_8=96$   
 $Q_9=93$   $Q_{10}=91$   $Q_{11}=93$   $Q_{12}=92$   $Q_{13}=94$   $Q_{14}=92$   $Q_{15}=85$



### Photometric Parameters

Luminous Flux: 2076.82 lm Efficiency: 66.19 lm/W Radiant Power: 7.674 W  
 EEI: 0.21 Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 24.000V Current: 1.3074A Power: 31.38W  
 Power Factor: 1.0000 Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 1 Sec  
 Max of Signal: 45125 (3542)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 54.88 ms

Condition:  $T_x=24.9^\circ C$ ,  $T_i=24.3^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-09-19 10:47:26  
 Inspector: