

## Lightsource Test Report

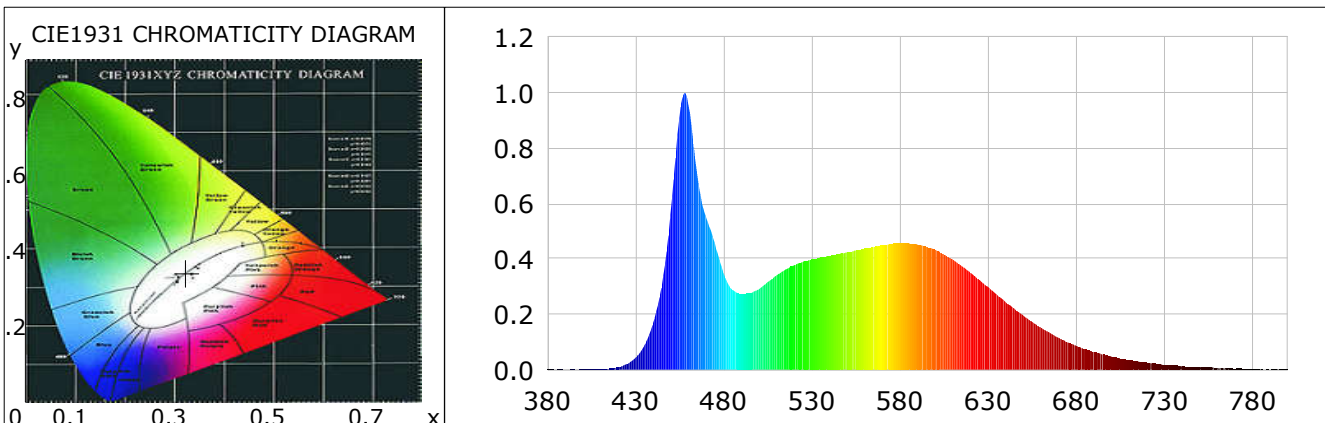
### Product Information

Product Category: DSG560-12-W-33  
 Product Spec: 35-BV

Product Type: 0513

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3250$   $y=0.3381$   $u(u')=0.2029$   $v=0.3166$   $v'=0.4749$   
 CCT:  $T_c=5842K$  ( $duv=0.00189$ ) Color Ratio:  $R=0.148$   $G=0.788$   $B=0.064$   
 Peak Wavelength: 458.1nm Half Bandwidth: 24.0nm  
 Dominant Wavelength: 499.3nm Color Purity: 0.026  
 CRI:  $R_a=86.8$ ,  $avgR(1\sim14)=81.1$ ,  $avgR(1\sim15)=81.4$  TM30:  $R_f=78$ ,  $R_g=90$   
 $R_1=87$   $R_2=94$   $R_3=95$   $R_4=81$   $R_5=83$   $R_6=86$   $R_7=88$   $R_8=77$   
 $R_9=35$   $R_{10}=82$   $R_{11}=82$   $R_{12}=51$   $R_{13}=91$   $R_{14}=97$   $R_{15}=85$   
 Color Quality Scale:  $Q_a=81.2$ ,  $Q_f=81.4$ ,  $Q_p=79.5$ ,  $Q_g=89.2$   
 $Q_1=77$   $Q_2=92$   $Q_3=85$   $Q_4=71$   $Q_5=71$   $Q_6=72$   $Q_7=82$   $Q_8=89$   
 $Q_9=98$   $Q_{10}=94$   $Q_{11}=87$   $Q_{12}=85$   $Q_{13}=84$   $Q_{14}=78$   $Q_{15}=79$



### Photometric Parameters

Luminous Flux: 1331.45 lm  
 EEI: 0.13

Efficiency: 103.78 lm/W

Radiant Power: 4.296 W

Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 12.000V  
 Power Factor: 1.0000

Current: 1.0691A  
 Frequency: 0.00Hz

Power: 12.83W

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 1 Sec  
 Max of Signal: 45364 (3669)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 112.43 ms

Condition:  $T_x=25.7^\circ C$ ,  $T_i=23.9^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-11-27 11:23:05  
 Inspector: