

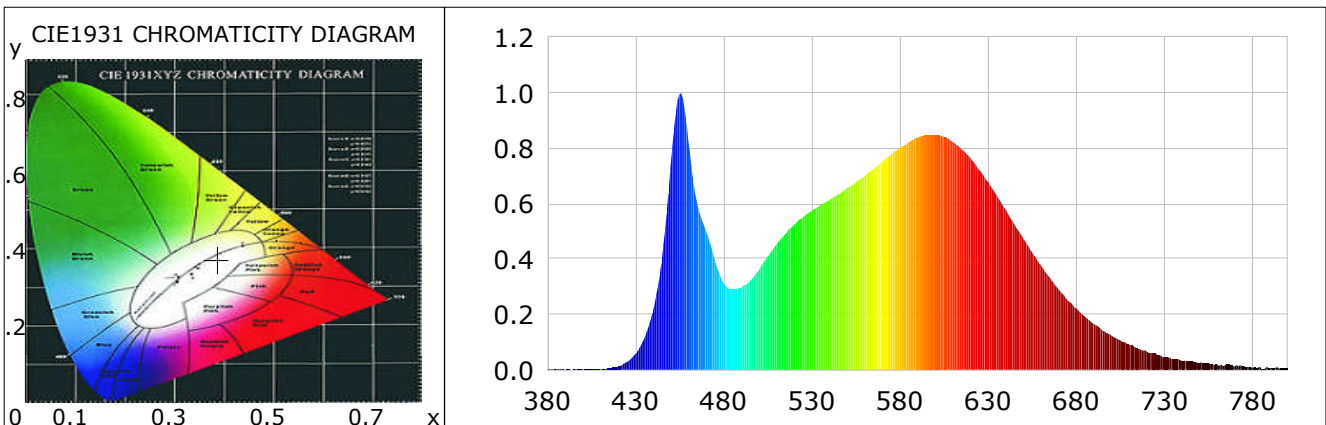
## Lightsource Test Report

### Product Information

Product Category: DSG260-12-NW-33 (BV) Product Type: 1491  
Product Spec: BV-40 SW

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3854$   $y=0.3759$   $u(u')=0.2287$   $v=0.3346$   $v'=0.5019$   
 CCT:  $T_c=3861K$  ( $duv=-0.00181$ ) Color Ratio:  $R=0.193$   $G=0.767$   $B=0.040$   
 Peak Wavelength: 455.7nm Half Bandwidth: 23.3nm  
 Dominant Wavelength: 580.6nm Color Purity: 0.285  
 CRI:  $R_a=85.2$ ,  $avgR(1\sim14)=79.7$ ,  $avgR(1\sim15)=79.7$  TM30:  $R_f=82$ ,  $R_g=94$   
 $R_1=84$   $R_2=93$   $R_3=95$   $R_4=81$   $R_5=84$   $R_6=89$   $R_7=84$   $R_8=67$   
 $R_9=21$   $R_{10}=83$   $R_{11}=80$   $R_{12}=63$   $R_{13}=87$   $R_{14}=98$   $R_{15}=79$   
 Color Quality Scale:  $Q_a=83.7$ ,  $Q_f=83.9$ ,  $Q_p=83.3$ ,  $Q_g=92.7$   
 $Q_1=82$   $Q_2=97$   $Q_3=82$   $Q_4=75$   $Q_5=80$   $Q_6=82$   $Q_7=86$   $Q_8=89$   
 $Q_9=98$   $Q_{10}=91$   $Q_{11}=87$   $Q_{12}=85$   $Q_{13}=85$   $Q_{14}=77$   $Q_{15}=79$



### Photometric Parameters

Luminous Flux: 825.46 lm Efficiency: 122.84 lm/W Radiant Power: 2.559 W  
 EEI: 0.10 Energy Efficiency Class: A++ (EU 874-2012)

### Electric Parameters

Voltage: 11.999V Current: 0.5601A Power: 6.72W  
 Power Factor: 1.0000 Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 1 Sec  
 Max of Signal: 47454 (3914)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 321.04 ms

Condition:  $T_x:25.8^\circ C$ ,  $T_i:24.0^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-12-12 14:43:54  
 Inspector: