

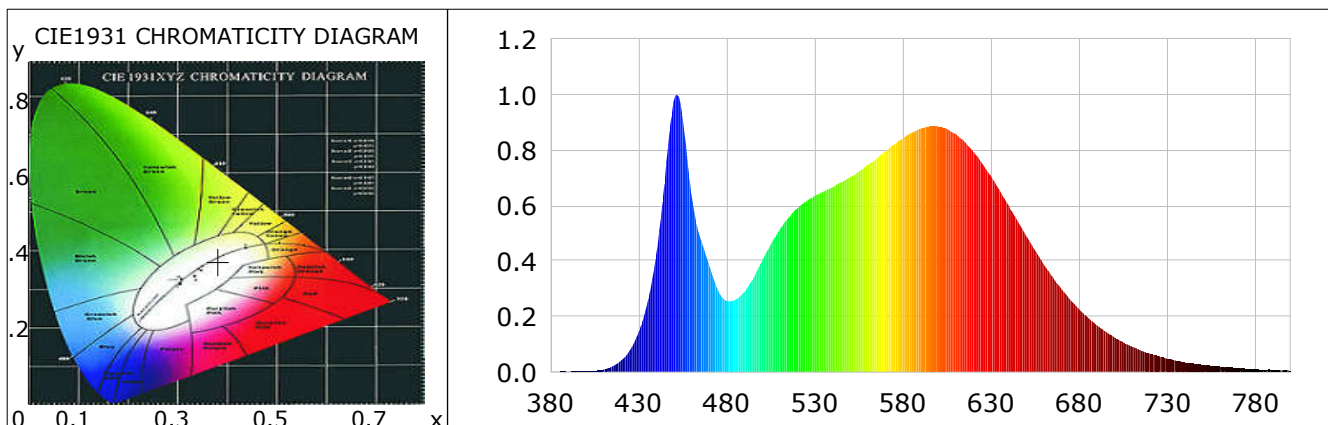
## Lightsource Test Report

### Product Information

Product Category: SWG2P280-24-NW-20      Product Type: 5079  
 Product Spec: 101-BR

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3817$   $y=0.3740$      $u(u')=0.2271$   $v=0.3337$   $v'=0.5005$   
 CCT:  $T_c=3944K$  ( $duv=-0.00169$ )      Color Ratio:  $R=0.189$   $G=0.775$   $B=0.036$   
 Peak Wavelength: 451.9nm      Half Bandwidth: 22.6nm  
 Dominant Wavelength: 580.2nm      Color Purity: 0.268  
 CRI:  $R_a=84.8$ ,  $avgR(1\sim14)=78.9$ ,  $avgR(1\sim15)=78.9$     TM30:  $R_f=83$ ,  $R_g=97$   
 $R_1=83$      $R_2=90$      $R_3=94$      $R_4=84$      $R_5=83$      $R_6=86$      $R_7=86$      $R_8=68$   
 $R_9=19$      $R_{10}=76$      $R_{11}=83$      $R_{12}=64$      $R_{13}=85$      $R_{14}=97$      $R_{15}=78$   
 Color Quality Scale:  $Q_a=83.7$ ,  $Q_f=83.6$ ,  $Q_p=84.5$ ,  $Q_g=94.6$   
 $Q_1=84$      $Q_2=99$      $Q_3=79$      $Q_4=77$      $Q_5=82$      $Q_6=85$      $Q_7=86$      $Q_8=89$   
 $Q_9=98$      $Q_{10}=89$      $Q_{11}=85$      $Q_{12}=84$      $Q_{13}=85$      $Q_{14}=76$      $Q_{15}=79$



### Photometric Parameters

Luminous Flux: 3122.79 lm      Efficiency: 119.86 lm/W      Radiant Power: 9.639 W  
 EEI: 0.11      Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 24.000V      Current: 1.0856A      Power: 26.05W  
 Power Factor: 1.0000      Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm      Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 1 ms      Photometric Condition: Sphere diameter: 1.50m, 4PI  
 Max of Signal: 48279 (3624)      CCD Integration Time: 96.54 ms

Condition:  $T_x=25.4^\circ C$ ,  $T_i=24.3^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2019-03-18 15:27:25  
 Inspector: