

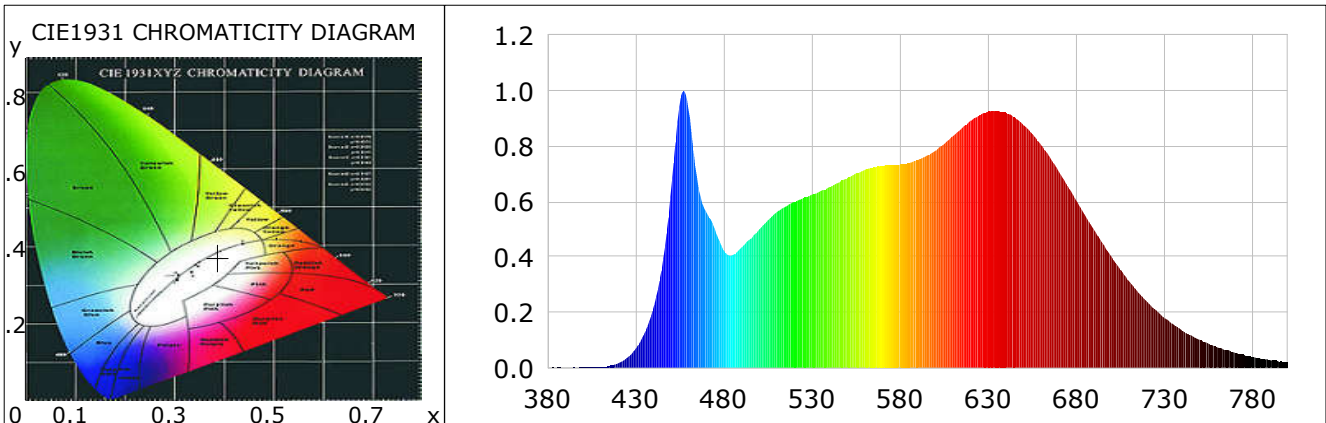
## Lightsource Test Report

### Product Information

Product Category: LK2H280-24-NW-33      Product Type: 3151  
Product Spec:

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3880$   $y=0.3739$      $u(u')=0.2313$   $v=0.3343$   $v'=0.5014$   
 CCT:  $T_c=3776K$  ( $duv=-0.00346$ )      Color Ratio:  $R=0.217$   $G=0.736$   $B=0.047$   
 Peak Wavelength: 457.3nm      Half Bandwidth: 27.1nm  
 Dominant Wavelength: 581.8nm      Color Purity: 0.286  
 CRI:  $R_a=96.3$ ,  $avgR(1\sim14)=94.9$ ,  $avgR(1\sim15)=94.9$     TM30:  $R_f=90$ ,  $R_g=99$   
 $R_1=96$      $R_2=96$      $R_3=98$      $R_4=96$      $R_5=95$      $R_6=94$      $R_7=95$      $R_8=95$   
 $R_9=92$      $R_{10}=94$      $R_{11}=98$      $R_{12}=76$      $R_{13}=96$      $R_{14}=99$      $R_{15}=94$   
 Color Quality Scale:  $Q_a=95.0$ ,  $Q_f=94.2$ ,  $Q_p=96.5$ ,  $Q_g=100.8$   
 $Q_1=91$      $Q_2=97$      $Q_3=93$      $Q_4=90$      $Q_5=92$      $Q_6=94$      $Q_7=99$      $Q_8=98$   
 $Q_9=99$      $Q_{10}=100$      $Q_{11}=99$      $Q_{12}=99$      $Q_{13}=99$      $Q_{14}=97$      $Q_{15}=95$



### Photometric Parameters

Luminous Flux: 2617.71 lm      Efficiency: 99.65 lm/W      Radiant Power: 9.882 W  
 EEI: 0.14      Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 24.000V      Current: 1.0945A      Power: 26.27W  
 Power Factor: 1.0000      Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm      Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 1 Sec      Photometric Condition: Sphere diameter: 1.50m, 4PI  
 Max of Signal: 44506 (4199)      CCD Integration Time: 87.39 ms

Condition:  $T_x:30.3^{\circ}C$ ,  $T_i:28.7^{\circ}C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2018-08-02 12:07:19  
 Inspector: