

## Lightsource Test Report

### Product Information

Product Category: TRL009

Product Type: 12W /3000K

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4296$   $y=0.4003$   $u(u')=0.2475$   $v=0.3459$   $v'=0.5188$

CCT:  $T_c=3096K$  ( $duv=-0.00046$ )

Color Ratio:  $R=0.224$   $G=0.753$   $B=0.023$

Peak Wavelength: 605.0nm

Half Bandwidth: 138.2nm

Dominant Wavelength: 582.6nm

Color Purity: 0.491

CRI:  $R_a=82.8$

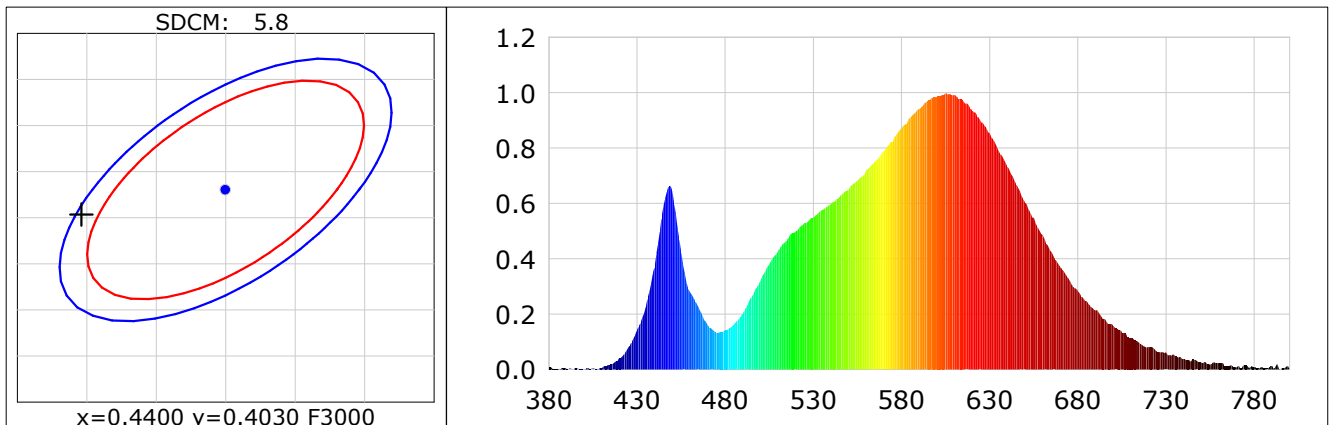
$R_1=81$   $R_2=89$   $R_3=95$   $R_4=83$   $R_5=82$   $R_6=86$   $R_7=84$   $R_8=63$

$R_9=12$   $R_{10}=74$   $R_{11}=82$   $R_{12}=69$   $R_{13}=83$   $R_{14}=97$   $R_{15}=75$

Color Quality Scale:  $Q_a=82.1$ ,  $Q_f=83.0$ ,  $Q_p=84.6$ ,  $Q_g=94.2$

$Q_1=78$   $Q_2=97$   $Q_3=80$   $Q_4=80$   $Q_5=83$   $Q_6=82$   $Q_7=82$   $Q_8=86$

$Q_9=96$   $Q_{10}=87$   $Q_{11}=85$   $Q_{12}=84$   $Q_{13}=83$   $Q_{14}=73$   $Q_{15}=75$



### Photometric Parameters

Luminous Flux: 900.29 lm  
EEI: 0.14

Efficiency: 96.87 lm/W  
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 9.206 W

### Electric Parameters

Voltage: 219.80V  
Power Factor: 0.5120

Current: 0.2780A  
Frequency: 50.00Hz

Power: 12.24W

BIN: OUT :

#### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 Sec  
Max of Signal: 47548 (5395)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 2.00m, 4π  
CCD Integration Time: 563.11 ms

Condition:  $T_x=35.7^\circ C$ ,  $T_i=32.7^\circ C$ , R.H.:60%  
Test Lab: IDEUS  
Operator:

Test Device: Inventfine CMS-3000S  
Test Time: 2019-08-21 21:31:05  
Inspector: