

## Lightsource Test Report

### Product Infomation

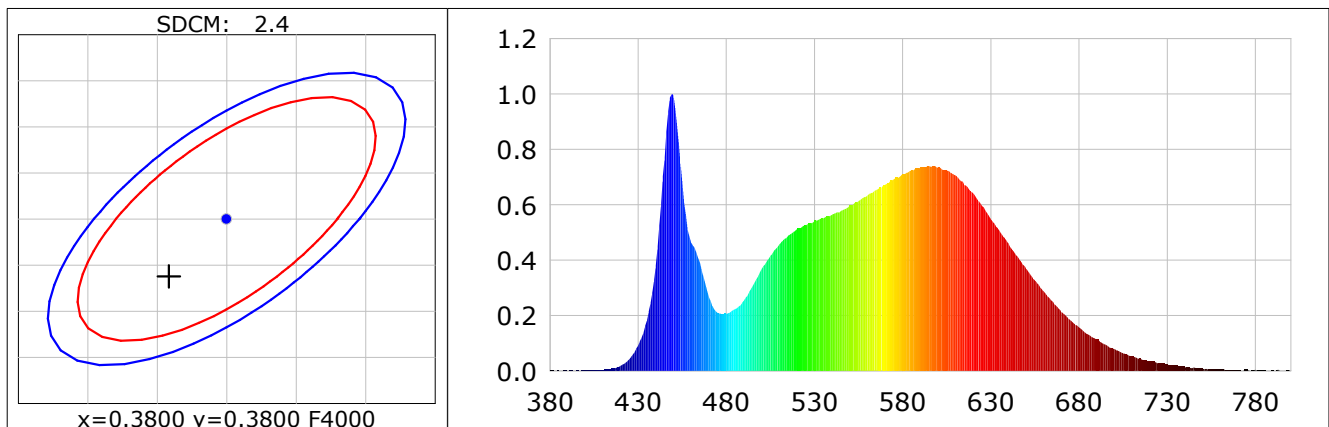
Product Category: TRL015  
 Product Spec: 4000K

Product Type: 20W  
 Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3758$   $y=0.3738$   $u(u')=0.2233$   $v=0.3331$   $v'=0.4996$   
 CCT:  $T_c=4107K$  ( $duv=-0.00003$ ) Color Ratio:  $R=0.181$   $G=0.783$   $B=0.036$   
 Peak Wavelength: 449.3nm Half Bandwidth: 16.8nm  
 Dominant Wavelength: 578.7nm Color Purity: 0.250  
 CRI: Ra: Ra= 83.3

R1 =82	R2 =89	R3 =94	R4 =83	R5 =82	R6 =85	R7 =86	R8 =65
R9 =9	R10=74	R11=83	R12=61	R13=84	R14=97	R15=76	
Color Quality Scale: Qa= 82.8, Qf= 82.8, Qp= 83.2, Qg= 93.3							
Q1 =82	Q2 =99	Q3 =79	Q4 =76	Q5 =82	Q6 =84	Q7 =86	Q8 =89
Q9 =98	Q10=88	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



### Photometric Parameters

Luminous Flux: 3191.89 lm  
 EEI: 0.09

Efficiency: 150.56 lm/W Radiant Power: 9.591 W  
 Energy Efficiency Class: A++ (EU 874-2012)

### Electric Parameters

Voltage: 229.80V  
 Power Factor: 0.9770

Current: 0.0940A  
 Frequency: 50.00Hz

Power: 21.20W

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 0 Min  
 Max of Signal: 46370 (3018)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 2.00m, 4T  
 CCD Integration Time: 400.85 ms

Condition: Tx:22.4'C, Ti:20.9'C, R.H.:60%  
 Test Lab: IDEUS  
 Operator:

Test Device: Inventfine CMS-3000S  
 Test Time: 2022-12-29 19:38:15  
 Inspector: