

## Lightsource Test Report

### Product Information

Product Category:  
Product Spec: 4000K

Product Type: 10W  
Product Number: 01

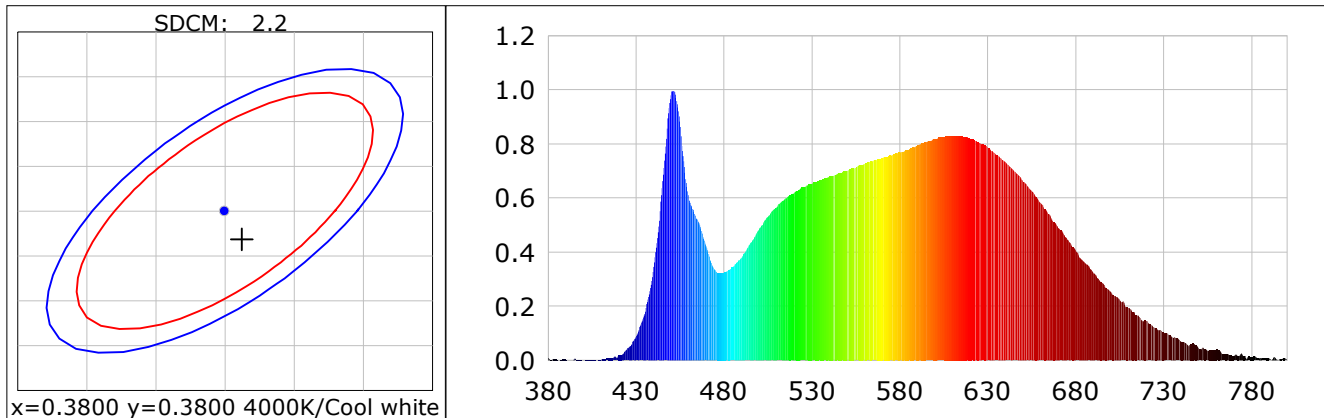
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3812$   $y=0.3768$   $u(u')=0.2256$   $v=0.3345$   $v'(v')=0.5017$   
 CCT:  $T_c=3979K$  ( $duv=-0.00020$ ) Color Ratio:  $R=0.198$   $G=0.761$   $B=0.041$   
 Peak Wavelength: 451.0nm Half Bandwidth: 23.4nm  
 Dominant Wavelength: 579.3nm Color Purity: 0.275  
 CRI:  $R_a$ :  $R_a=92.8$   

R1 =93	R2 =96	R3 =96	R4 =93	R5 =92	R6 =93	R7 =94	R8 =86
R9 =64	R10=88	R11=93	R12=72	R13=94	R14=98	R15=91	

 Color Quality Scale:  $Q_a=91.7$ ,  $Q_f=91.5$ ,  $Q_p=92.2$ ,  $Q_g=97.8$   

Q1 =91	Q2 =99	Q3 =87	Q4 =86	Q5 =90	Q6 =93	Q7 =94	Q8 =95
Q9 =99	Q10=95	Q11=94	Q12=94	Q13=94	Q14=89	Q15=90	



### Photometric Parameters

Luminous Flux: 808.29 lm Efficiency: 87.86 lm/W Radiant Power: 2.739 W  
 EEI: 0.14 Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 220.30V Current: 0.0870A Power: 9.20W  
 Power Factor: 0.4800 Frequency: 50.00Hz

BIN: OUT :

#### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 0 Sec  
 Max of Signal: 43611 (5823)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$   
 CCD Integration Time: 1689.03 ms

Condition:  $T_x=32.1^\circ C$ ,  $T_i=31.4^\circ C$ , R.H.:60%  
 Test Lab: IDEUS  
 Operator:

Test Device: Inventfine CMS-3000S  
 Test Time: 2019-06-13 16:31:26  
 Inspector: