

## Lightsource Test Report

### Product Infomation

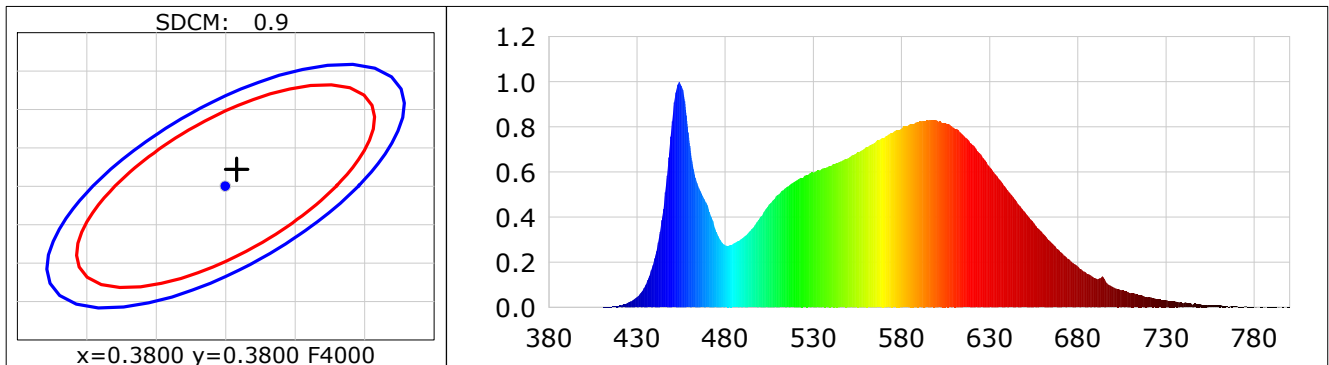
Product Category: TRL016  
 Product Spec: 30W

Product Type: 4000K  
 Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3808$   $y=0.3822$   $u(u')=0.2232$   $v=0.3360$   $v'=0.5040$   
 CCT:  $T_c=4030K$  ( $duv=0.00242$ ) Color Ratio:  $R=0.183$   $G=0.778$   $B=0.039$   
 Peak Wavelength: 453.9nm Half Bandwidth: 21.0nm  
 Dominant Wavelength: 577.7nm Color Purity: 0.290  
 Central Wave: 456.3nm Gravity Wave: 455.6nm  
 CRI:  $R_a=83.6$  TM30:  $R_f=83$ ,  $R_g=93$   
 GAI:  $GAI\_BB\_8=87.9$ ,  $GAI\_BB\_15=96.1$ ,  $GAI\_EES=69.8$

R1 =82	R2 =91	R3 =96	R4 =81	R5 =82	R6 =88	R7 =85	R8 =64
R9 =9	R10=78	R11=80	R12=59	R13=85	R14=98	R15=76	
Color Quality Scale: $Q_a=83.3$ , $Q_f=83.8$ , $Q_p=81.8$ , $Q_g=90.8$							
Q1 =80	Q2 =97	Q3 =82	Q4 =77	Q5 =80	Q6 =82	Q7 =85	Q8 =90
Q9 =98	Q10=92	Q11=88	Q12=86	Q13=85	Q14=73	Q15=76	



### Photometric Parameters

Luminous Flux: 3993.4 lm Efficiency: 136.06 lm/W Radiant Power: 11.934 W  
 Total mains efficacy: 136.06 lm/W Energy Efficiency Class: D (EU 2019/2015)  
 Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.60V Current: 0.1400A Power: 29.35W  
 Power Factor: 0.9580 Frequency: 50.00Hz

### Test Infomation

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min ALC.: 1.0000	Photometric Condition: Sphere diameter: 2.00m, 4T
Max of Signal: 45209 (3722)	CCD Integration Time: 133.65 ms

Condition:  $T_x=31.9^\circ C$ ,  $T_i=0.0^\circ C$ , R.H.:60%  
 Test Lab: IDEUS  
 Operator:

Test Device: CMS-3000S  
 Test Time: 2023-10-11 16:16:51  
 Inspector: