

## Lightsource Test Report

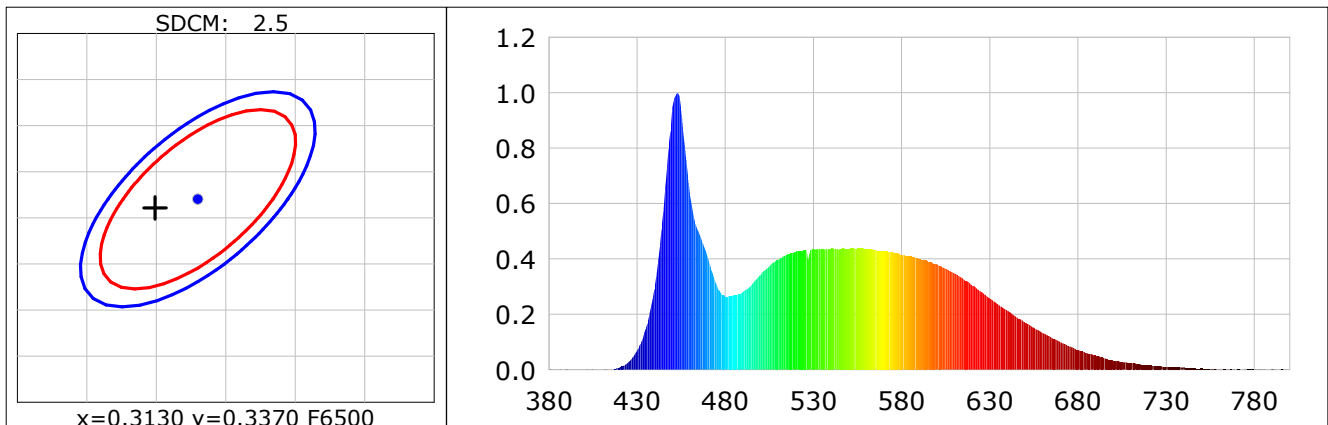
### Product Infomation

Product Spec: 38W C with cover

Product Number: 4

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3099$   $y=0.3361$   $u(u')=0.1933$   $v=0.3144$   $v'=0.4716$   
 CCT:  $T_c=6600K$  ( $duv=0.00816$ ) Color Ratio:  $R=0.131$   $G=0.808$   $B=0.061$   
 Peak Wavelength: 452.9nm Half Bandwidth: 21.0nm  
 Dominant Wavelength: 493.2nm Color Purity: 0.077  
 CRI:  $R_a=85.9$  TM30:  $R_f=81$ ,  $R_g=93$   
 $R_1=85$   $R_2=88$   $R_3=89$   $R_4=88$   $R_5=84$   $R_6=82$   $R_7=94$   $R_8=79$   
 $R_9=24$   $R_{10}=69$   $R_{11}=88$   $R_{12}=49$   $R_{13}=86$   $R_{14}=94$   $R_{15}=81$   
 Color Quality Scale:  $Q_a=83.4$ ,  $Q_f=83.5$ ,  $Q_p=82.1$ ,  $Q_g=90.0$   
 $Q_1=82$   $Q_2=97$   $Q_3=83$   $Q_4=74$   $Q_5=78$   $Q_6=79$   $Q_7=85$   $Q_8=92$   
 $Q_9=97$   $Q_{10}=92$   $Q_{11}=87$   $Q_{12}=86$   $Q_{13}=86$   $Q_{14}=76$   $Q_{15}=79$



### Photometric Parameters

Luminous Flux: 4056.89 lm Efficiency: 108.47 lm/W Radiant Power: 12.928 W  
 EEI: 0.13 Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 230.40V Current: 0.1750A Power: 37.40W  
 Power Factor: 0.9240 Frequency: 50.00Hz

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 0 Sec  
 Max of Signal: 45637 (2962)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4π  
 CCD Integration Time: 298.69 ms

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

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2020-05-06 15:39:57  
 Inspector: