

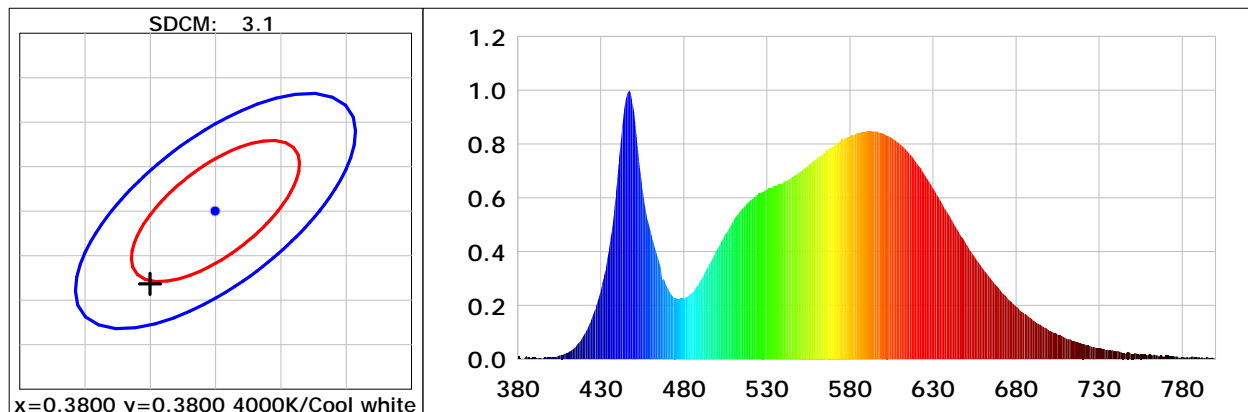
## Lightsource Test Report

### Product Information

Product Category: Down light 4000K 40W      Product Number: 4

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3750$   $y=0.3718$   $u(u')=0.2235$   $v=0.3324$   $v'=0.4986$   
CCT:  $T_c=4117K$  ( $duv=-0.00071$ )      Color Ratio:  $R=0.179$   $G=0.787$   $B=0.034$   
Peak Wavelength: 447.2nm      Half Bandwidth: 21.6nm  
Dominant Wavelength: 597.9nm      Color Purity: 0.241  
CRI:  $R_a=82.0$ ,  $avgR(1\sim14)=75.4$ ,  $avgR(1\sim15)=75.4$       TM30:  $R_f=81$ ,  $R_g=97$   
 $R1=80$     $R2=87$     $R3=92$     $R4=82$     $R5=81$     $R6=83$     $R7=86$     $R8=65$   
 $R9=7$     $R10=69$     $R11=82$     $R12=64$     $R13=82$     $R14=95$     $R15=75$   
Color Quality Scale:  $Q_a=81.8$ ,  $Q_f=81.6$ ,  $Q_p=82.9$ ,  $Q_g=94.2$   
 $Q1=82$     $Q2=98$     $Q3=78$     $Q4=76$     $Q5=82$     $Q6=83$     $Q7=84$     $Q8=89$   
 $Q9=97$     $Q10=86$     $Q11=83$     $Q12=82$     $Q13=82$     $Q14=72$     $Q15=75$



### Photometric Parameters

Luminous Flux: 3439.06 lm      Efficiency: 91.66 lm/W      Radiant Power: 10.517 W  
EEL: 0.15      Energy Efficiency Class: A+ (EU 874-2012)  
Pupil Flux: 5174.16 Plm      Pupil Lumens Per Watt: 137.90 Plm/W      Pupil Factor (Kp): 1.505

### Electric Parameters

Voltage: 218.40V      Current: 0.1780A      Power: 37.52W  
Power Factor: 0.9640      Frequency: 49.99Hz

### BIN: OUT

#### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 6 Sec  
Max of Signal: 49600 (3952)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.50m, 2 $\pi$   
CCD Integration Time: 599.25 ms

Condition: Tx:28.8°C, Ti:25.3°C, R.H.:60%  
Test Lab:  
Operator:

Test Device: Inventfine CMS-2S (Plus)  
Test Time: 2024-05-14 17:54:50  
Inspector: