

## Lightsource Test Report

### Product Information

Product Category: COB-512L-24V

Product Number: 05

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3175$   $y=0.3427$   $u(u')=0.1961$   $v=0.3174$   $v'(v')=0.4762$

CCT:  $T_c=6180K$  ( $duv=0.00773$ )

Color Ratio:  $R=0.148$   $G=0.785$   $B=0.067$

Peak Wavelength: 454.6nm

Half Bandwidth: 23.1nm

Dominant Wavelength: 499.5nm

Color Purity: 0.049

CRI:  $R_a$ :  $R_a=92.2$

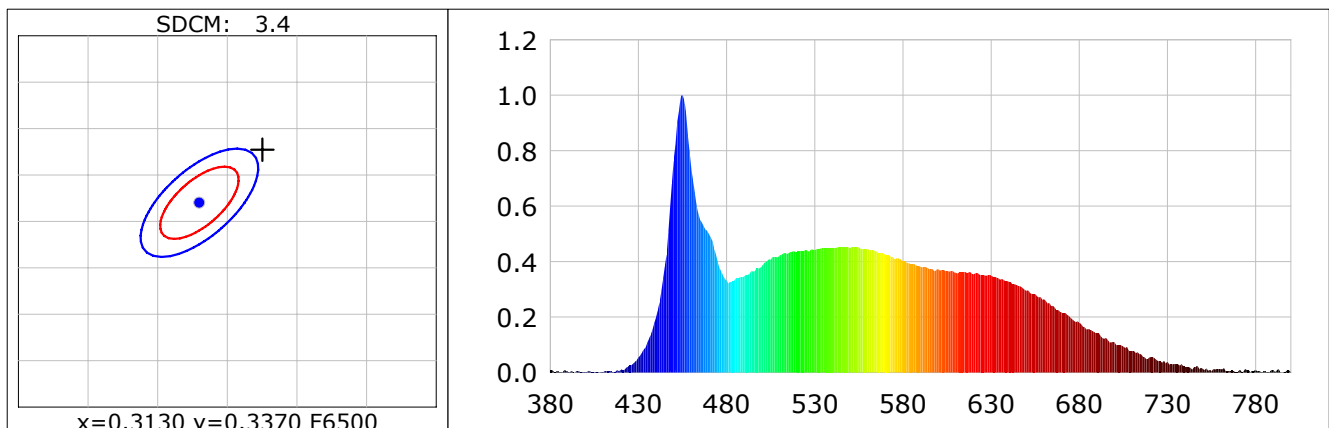
$R_1=94$   $R_2=95$   $R_3=92$   $R_4=90$   $R_5=90$   $R_6=89$   $R_7=95$   $R_8=93$

$R_9=84$   $R_{10}=85$   $R_{11}=93$   $R_{12}=56$   $R_{13}=95$   $R_{14}=95$   $R_{15}=92$

Color Quality Scale:  $Q_a=89.6$ ,  $Q_f=89.4$ ,  $Q_p=89.0$ ,  $Q_g=94.3$

$Q_1=85$   $Q_2=93$   $Q_3=90$   $Q_4=82$   $Q_5=83$   $Q_6=83$   $Q_7=89$   $Q_8=94$

$Q_9=96$   $Q_{10}=95$   $Q_{11}=96$   $Q_{12}=96$   $Q_{13}=96$   $Q_{14}=95$   $Q_{15}=92$



### Photometric Parameters

Luminous Flux: 1420.80 lm  
EEI: 0.15

Efficiency: 90.38 lm/W

Radiant Power: 4.918 W

Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 230.30V

Current: 0.1730A

Power: 15.72W

Power Factor: 0.3940

Frequency: 50.00Hz

BIN: OUT :

### Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 44388 (5943)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$

CCD Integration Time: 947.70 ms

Condition:  $T_x=35.4^\circ C$ ,  $T_i=32.4^\circ C$ , R.H.:60%

Test Lab: IDEUS

Operator:

Test Device: Inventfine CMS-3000S

Test Time: 2020-08-14 14:55:31

Inspector: