



## Lightsource Test Report

### Product Infomation

Product Number: 399

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3143$   $y=0.3253$   $u(u')=0.2003$   $v=0.3111$   $v'=0.4666$

CCT:  $T_c=6446K$  ( $duv=0.00050$ )

Color Ratio:  $R=0.125$   $G=0.842$   $B=0.032$

Peak Wavelength: 446.3nm

Half Bandwidth: 17.7nm

Dominant Wavelength: 486.2nm

Color Purity: 0.070

Central Wave: 445.9nm

Gravity Wave: 445.9nm

CRI:  $R_a = 70.5$

TM30:  $R_f = 70$ ,  $R_g = 95$

GAI:  $GAI\_BB\_8=89.5$ ,  $GAI\_BB\_15=94.8$ ,  $GAI\_EES=85.5$

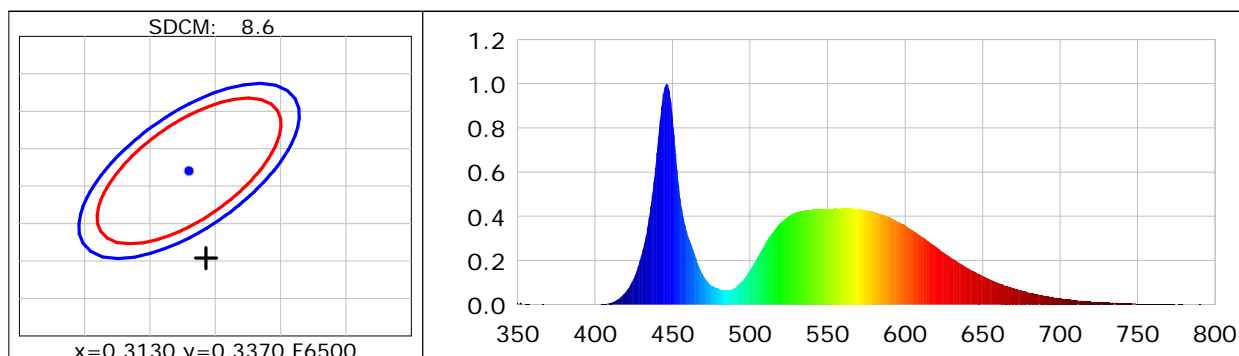
$R1 = 69$     $R2 = 73$     $R3 = 75$     $R4 = 73$     $R5 = 71$     $R6 = 65$     $R7 = 79$     $R8 = 59$

$R9 = -34$     $R10 = 36$     $R11 = 72$     $R12 = 40$     $R13 = 69$     $R14 = 86$     $R15 = 64$

Color Quality Scale:  $Q_a = 69.9$ ,  $Q_f = 68.4$ ,  $Q_p = 74.2$ ,  $Q_g = 90.4$

$Q1 = 79$     $Q2 = 91$     $Q3 = 61$     $Q4 = 57$     $Q5 = 69$     $Q6 = 73$     $Q7 = 76$     $Q8 = 86$

$Q9 = 88$     $Q10 = 70$     $Q11 = 65$     $Q12 = 67$     $Q13 = 70$     $Q14 = 57$     $Q15 = 66$



### Photometric Parameters

Luminous Flux: 14866 lm

Efficiency: 144.78 lm/W

Radiant Power: 44.770 W

Total mains efficacy: 144.78 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.47V

Current: 0.4714A

Power: 102.68W

Power Factor: 0.9926

Frequency: 49.99Hz

DF: 0.9937

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min   ALC.: 1.0000

Max of Signal: 47095 (2091)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 54.40 ms

Condition: Tx: 16.3°C, Ti: 14.4°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-12-13 13:32:54

Inspector: