



## Lightsource Test Report

### Product Infomation

Product Number: 198

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4503$   $y=0.4092$   $u(u')=0.2570$   $v=0.3503$   $v'=0.5254$

CCT:  $T_c=2828K$  ( $duv=0.00039$ )

Color Ratio:  $R=0.243$   $G=0.735$   $B=0.022$

Peak Wavelength: 606.8nm

Half Bandwidth: 120.8nm

Dominant Wavelength: 583.5nm

Color Purity: 0.580

Central Wave: 597.5nm

Gravity Wave: 600.6nm

CRI:  $R_a=83.5$

TM30:  $R_f=85$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=93.3$ ,  $GAI\_BB\_15=100.5$ ,  $GAI\_EES=49.0$

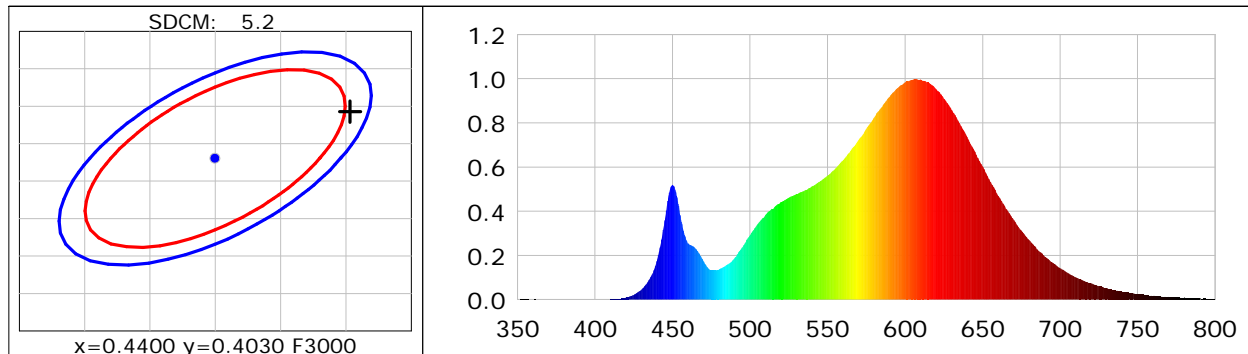
$R1=82$   $R2=91$   $R3=97$   $R4=83$   $R5=83$   $R6=91$   $R7=82$   $R8=60$

$R9=10$   $R10=80$   $R11=84$   $R12=73$   $R13=84$   $R14=99$   $R15=74$

Color Quality Scale:  $Q_a=83.3$ ,  $Q_f=85.2$ ,  $Q_p=84.8$ ,  $Q_g=91.8$

$Q1=78$   $Q2=95$   $Q3=84$   $Q4=82$   $Q5=85$   $Q6=85$   $Q7=84$   $Q8=87$

$Q9=95$   $Q10=90$   $Q11=88$   $Q12=85$   $Q13=84$   $Q14=73$   $Q15=74$



### Photometric Parameters

Luminous Flux: 30127 lm

Efficiency: 152.11 lm/W

Radiant Power: 130.131 W

Total mains efficacy: 152.11 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.62V

Current: 0.9029A

Power: 198.06W

Power Factor: 0.9989

Frequency: 50.00Hz

DF: 1.0000

### Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4T

Max of Signal: 46691 (1734)

CCD Integration Time: 38.42 ms

Condition: Tx: 10.2°C, Ti: 10.2°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-01-12 08:06:41

Operator:

Inspector: