



## Lightsource Test Report

### Product Infomation

Product Number: 10

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3122$   $y=0.3291$   $u(u')=0.1974$   $v=0.3122$   $v'=0.4683$

CCT:  $T_c=6534K$  ( $duv=0.00352$ )

Color Ratio:  $R=0.137$   $G=0.804$   $B=0.058$

Peak Wavelength: 454.6nm

Half Bandwidth: 23.1nm

Dominant Wavelength: 489.2nm

Color Purity: 0.074

Central Wave: 456.8nm

Gravity Wave: 456.2nm

CRI:  $R_a=83.6$

TM30:  $R_f=82$ ,  $R_g=92$

GAI:  $GAI\_BB\_8=88.3$ ,  $GAI\_BB\_15=94.4$ ,  $GAI\_EES=84.8$

$R1=82$

$R2=91$

$R3=94$

$R4=80$

$R5=82$

$R6=85$

$R7=87$

$R8=68$

$R9=8$

$R10=76$

$R11=79$

$R12=57$

$R13=85$

$R14=97$

$R15=77$

Color Quality Scale:  $Q_a=81.4$ ,  $Q_f=81.7$ ,  $Q_p=80.5$ ,  $Q_g=90.0$

$Q1=81$

$Q2=98$

$Q3=80$

$Q4=72$

$Q5=77$

$Q6=79$

$Q7=84$

$Q8=89$

$Q9=97$

$Q10=90$

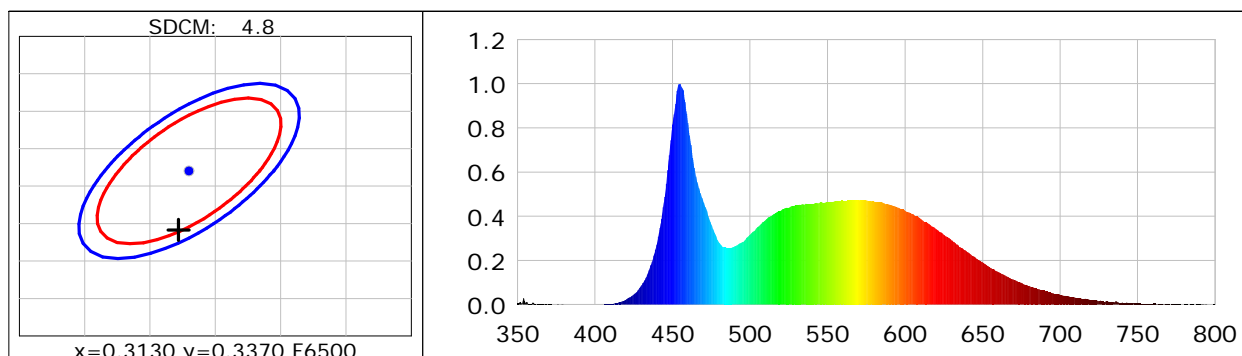
$Q11=85$

$Q12=84$

$Q13=83$

$Q14=72$

$Q15=76$



### Photometric Parameters

Luminous Flux: 17697 lm

Efficiency: 115.32 lm/W

Radiant Power: 59.229 W

Total mains efficacy: 115.32 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.59V

Current: 0.7157A

Power: 153.46W

Power Factor: 0.9765

Frequency: 49.99Hz

DF: 0.9896

### 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: 44510 (3605)

CCD Integration Time: 102.03 ms

Condition: Tx: 31.4°C, Ti: 30.8°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2024-06-15 19:07:59

Operator:

Inspector: