



Lightsource Test Report

Product Infomation

Product Number: 19

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3126$ $y=0.3360$ $u(u')=0.1951$ $v=0.3147$ $v'=0.4720$

CCT: $T_c=6460K$ ($duv=0.00682$)

Color Ratio: $R=0.132$ $G=0.814$ $B=0.055$

Peak Wavelength: 453.9nm

Half Bandwidth: 20.8nm

Dominant Wavelength: 493.4nm

Color Purity: 0.068

Central Wave: 455.1nm

Gravity Wave: 454.8nm

CRI: $R_a=80.7$

TM30: $R_f=81$, $R_g=91$

GAI: $GAI_BB_8=85.0$, $GAI_BB_15=91.7$, $GAI_EES=81.4$

$R1=78$

$R2=87$

$R3=93$

$R4=78$

$R5=78$

$R6=82$

$R7=86$

$R8=64$

$R9=-9$

$R10=70$

$R11=76$

$R12=52$

$R13=81$

$R14=96$

$R15=71$

Color Quality Scale: $Q_a=79.7$, $Q_f=80.1$, $Q_p=78.3$, $Q_g=88.3$

$Q1=79$

$Q2=98$

$Q3=79$

$Q4=71$

$Q5=76$

$Q6=78$

$Q7=82$

$Q8=88$

$Q9=97$

$Q10=89$

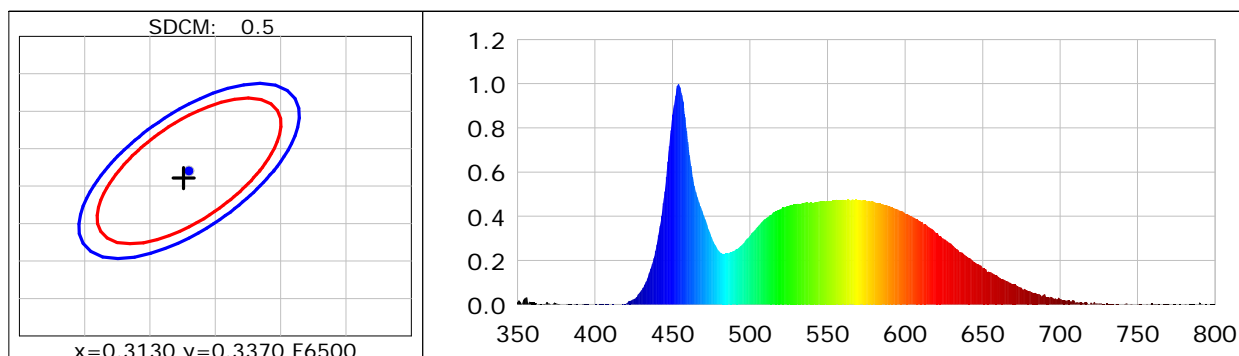
$Q11=84$

$Q12=83$

$Q13=82$

$Q14=67$

$Q15=72$



Photometric Parameters

Luminous Flux: 2834.6 lm

Efficiency: 100.34 lm/W

Radiant Power: 3.042 W

Total mains efficacy: 100.34 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.64V

Current: 0.1359A

Power: 28.25W

Power Factor: 0.9876

Frequency: 49.99Hz

DF: 0.9988

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49191 (2947)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 2118.23 ms

Condition: Tx: 14.8°C, Ti: 13.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-19 13:11:29

Inspector: