



Lightsource Test Report

Product Infomation

Product Number: 234

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3247$ $y=0.3459$ $u(u')=0.1998$ $v=0.3192$ $v'=0.4788$

CCT: $T_c=5842K$ ($duv=0.00596$)

Color Ratio: $R=0.137$ $G=0.811$ $B=0.051$

Peak Wavelength: 453.6nm

Half Bandwidth: 17.2nm

Dominant Wavelength: 512.4nm

Color Purity: 0.028

Central Wave: 454.4nm

Gravity Wave: 454.2nm

CRI: $R_a=81.0$

TM30: $R_f=81$, $R_g=92$

GAI: $GAI_BB_8=87.0$, $GAI_BB_15=93.8$, $GAI_EES=82.0$

$R1=78$

$R2=87$

$R3=92$

$R4=79$

$R5=79$

$R6=82$

$R7=86$

$R8=64$

$R9=-5$

$R10=70$

$R11=77$

$R12=52$

$R13=81$

$R14=96$

$R15=73$

Color Quality Scale: $Q_a=79.4$, $Q_f=79.7$, $Q_p=78.7$, $Q_g=89.4$

$Q1=80$

$Q2=98$

$Q3=77$

$Q4=70$

$Q5=75$

$Q6=78$

$Q7=83$

$Q8=88$

$Q9=97$

$Q10=87$

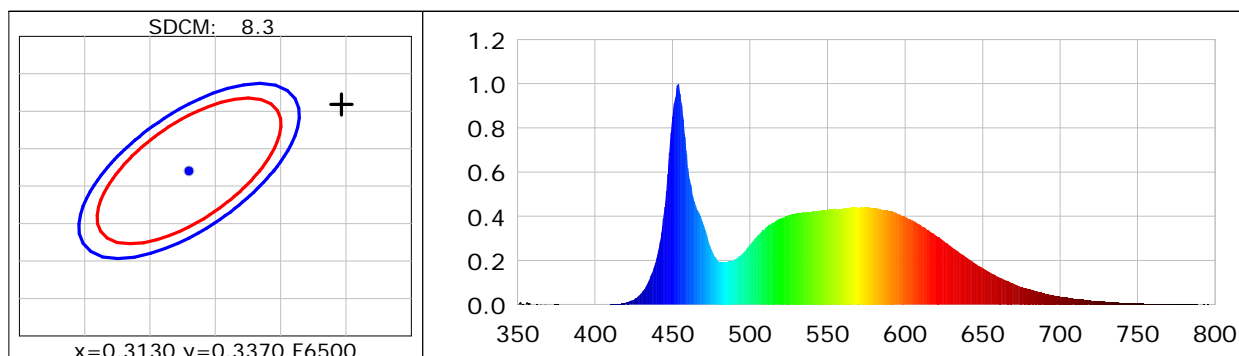
$Q11=83$

$Q12=81$

$Q13=81$

$Q14=68$

$Q15=73$



Photometric Parameters

Luminous Flux: 71290 lm

Efficiency: 144.00 lm/W

Radiant Power: 234.887 W

Total mains efficacy: 144.00 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.66V

Current: 2.2985A

Power: 495.07W

Power Factor: 0.9806

Frequency: 49.99Hz

DF: 0.9827

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45839 (2513)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 10.23 ms

Condition: Tx:22.9°C, Ti:21.5°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-04 12:07:12

Inspector: