



Lightsource Test Report

Product Infomation

Product Number: 229

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3233$ $y=0.3442$ $u(u')=0.1995$ $v=0.3185$ $v'=0.4778$

CCT: $T_c=5806K$ ($duv=0.00572$)

Color Ratio: $R=0.137$ $G=0.810$ $B=0.053$

Peak Wavelength: 453.9nm

Half Bandwidth: 17.8nm

Dominant Wavelength: 506.7nm

Color Purity: 0.030

Central Wave: 454.9nm

Gravity Wave: 454.6nm

CRI: $R_a=81.3$

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

GAI: $GAI_BB_8=87.0$, $GAI_BB_15=93.7$, $GAI_EES=82.3$

$R1=79$

$R2=88$

$R3=93$

$R4=79$

$R5=79$

$R6=82$

$R7=86$

$R8=65$

$R9=-4$

$R10=71$

$R11=77$

$R12=52$

$R13=82$

$R14=96$

$R15=73$

Color Quality Scale: $Q_a=79.4$, $Q_f=79.7$, $Q_p=78.6$, $Q_g=89.2$

$Q1=80$

$Q2=98$

$Q3=77$

$Q4=70$

$Q5=75$

$Q6=78$

$Q7=83$

$Q8=88$

$Q9=97$

$Q10=88$

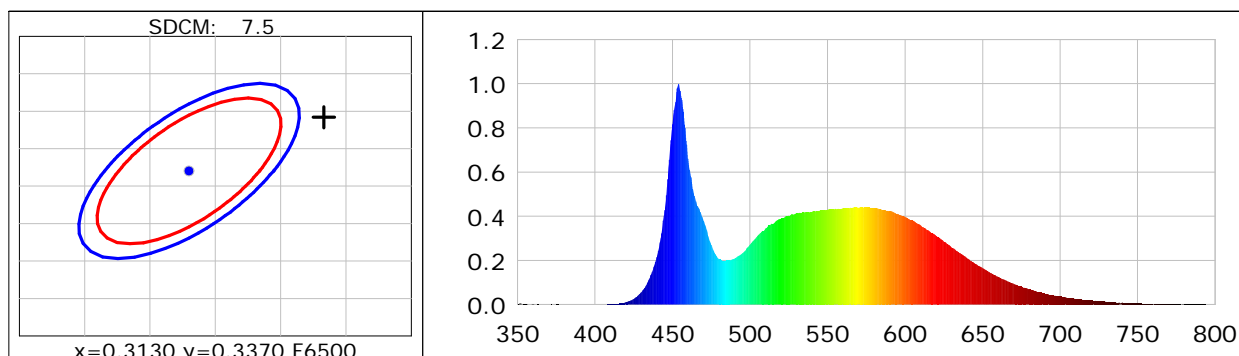
$Q11=83$

$Q12=82$

$Q13=81$

$Q14=68$

$Q15=73$



Photometric Parameters

Luminous Flux: 41476 lm

Efficiency: 142.04 lm/W

Radiant Power: 153.657 W

Total mains efficacy: 142.04 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.38V

Current: 1.3618A

Power: 292.00W

Power Factor: 0.9774

Frequency: 49.99Hz

DF: 0.9802

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46276 (2414)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 15.91 ms

Condition: Tx:21.6°C, Ti:21.6°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-04 08:24:34

Inspector: