



Lightsource Test Report

Product Infomation

Product Type: 7312-12V-2835-168D-

10MM CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3735$ $y=0.3668$ $u(u')=0.2245$ $v=0.3307$ $v'=0.4961$

CCT: $T_c=4124K$ ($duv=-0.00266$)

Color Ratio: $R=0.185$ $G=0.776$ $B=0.039$

Peak Wavelength: 448.4nm

Half Bandwidth: 22.0nm

Dominant Wavelength: 580.3nm

Color Purity: 0.222

CRI: $R_a=85.3$

TM30: $R_f=85$, $R_g=98$

GAI: $GAI_BB_8=97.6$, $GAI_BB_15=102.4$, $GAI_EES=78.9$

$R1=84$

$R2=91$

$R3=95$

$R4=85$

$R5=85$

$R6=88$

$R7=86$

$R8=68$

$R9=18$

$R10=78$

$R11=85$

$R12=69$

$R13=86$

$R14=97$

$R15=79$

Color Quality Scale: $Q_a=84.1$, $Q_f=83.9$, $Q_p=85.2$, $Q_g=95.0$

$Q1=84$

$Q2=99$

$Q3=80$

$Q4=79$

$Q5=84$

$Q6=87$

$Q7=88$

$Q8=90$

$Q9=98$

$Q10=88$

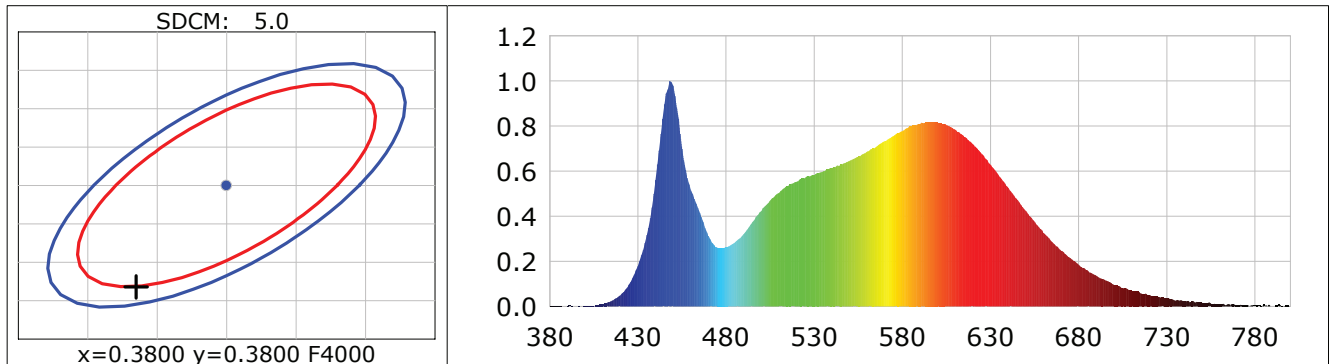
$Q11=85$

$Q12=84$

$Q13=84$

$Q14=75$

$Q15=78$



Photometric Parameters

Luminous Flux: 1843.5 lm

Efficiency: 123.06 lm/W

Radiant Power: 5.710 W

EEL: 0.11

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.000V

Current: 1.2483A

Power: 14.98W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 5 Sec ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4T

Max of Signal: 48728 (3127)

CCD Integration Time: 257.84 ms

Condition: $T_x=31.3^\circ C$, $T_i=27.7^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2024-05-24 16:12:08

Inspector: