



## Lightsource Test Report

### Product Infomation

Product Number: 18

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3423$   $y=0.3586$   $u(u')=0.2068$   $v=0.3251$   $v'(v')=0.4876$

CCT:  $T_c=5128K$  ( $duv=0.00463$ )

Color Ratio:  $R=0.138$   $G=0.827$   $B=0.036$

Peak Wavelength: 453.1nm

Half Bandwidth: 17.9nm

Dominant Wavelength: 566.6nm

Color Purity: 0.103

Central Wave: 452.8nm

Gravity Wave: 452.9nm

CRI:  $R_a=72.6$

TM30:  $R_f=74$ ,  $R_g=91$

GAI:  $GAI\_BB\_8=85.3$ ,  $GAI\_BB\_15=93.1$ ,  $GAI\_EES=76.0$

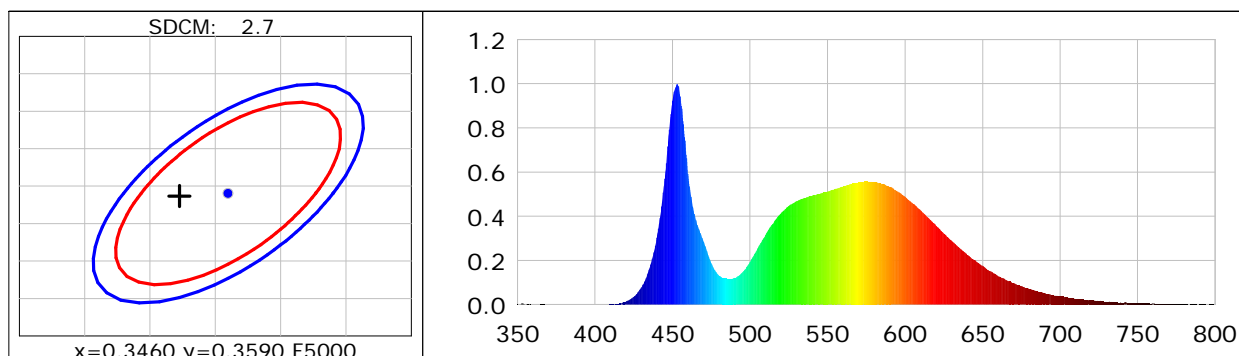
$R1=69$   $R2=79$   $R3=87$   $R4=71$   $R5=70$   $R6=71$   $R7=81$   $R8=53$

$R9=-40$   $R10=51$   $R11=67$   $R12=40$   $R13=71$   $R14=93$   $R15=62$

Color Quality Scale:  $Q_a=71.0$ ,  $Q_f=71.1$ ,  $Q_p=71.6$ ,  $Q_g=87.3$

$Q1=76$   $Q2=97$   $Q3=66$   $Q4=58$   $Q5=67$   $Q6=70$   $Q7=75$   $Q8=83$

$Q9=94$   $Q10=78$   $Q11=72$   $Q12=71$   $Q13=71$   $Q14=56$   $Q15=64$



### Photometric Parameters

Luminous Flux: 21099 lm

Efficiency: 142.79 lm/W

Radiant Power: 64.468 W

Total mains efficacy: 142.79 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 220.38V

Current: 0.6785A

Power: 147.76W

Power Factor: 0.9882

Frequency: 49.99Hz

DF: 0.9956

### Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$

Max of Signal: 51235 (2271)

CCD Integration Time: 48.39 ms

Condition: Tx: 19.0°C, Ti: 16.7°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-01-03 17:20:04

Operator:

Inspector: