



## Lightsource Test Report

### Product Infomation

Product Number: 104

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3415$   $y=0.3504$   $u(u')=0.2095$   $v=0.3224$   $v'=0.4835$

CCT:  $T_c=5136K$  ( $duv=0.00082$ )

Color Ratio:  $R=0.142$   $G=0.831$   $B=0.027$

Peak Wavelength: 441.6nm

Half Bandwidth: 18.6nm

Dominant Wavelength: 569.6nm

Color Purity: 0.076

Central Wave: 441.1nm

Gravity Wave: 441.4nm

CRI:  $R_a=70.8$

TM30:  $R_f=69$ ,  $R_g=98$

GAI:  $GAI\_BB\_8=94.1$ ,  $GAI\_BB\_15=96.7$ ,  $GAI\_EES=83.9$

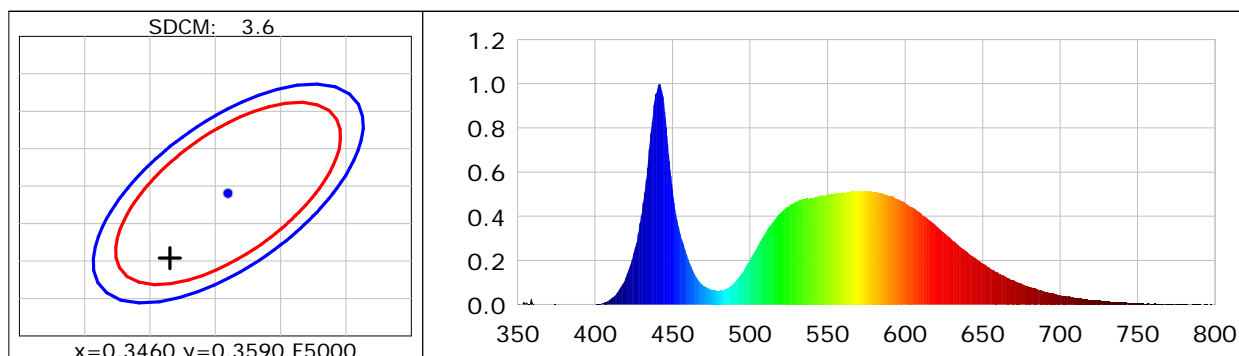
$R1=71$   $R2=74$   $R3=77$   $R4=73$   $R5=72$   $R6=66$   $R7=76$   $R8=58$

$R9=-27$   $R10=38$   $R11=74$   $R12=47$   $R13=69$   $R14=87$   $R15=64$

Color Quality Scale:  $Q_a=71.3$ ,  $Q_f=69.5$ ,  $Q_p=76.2$ ,  $Q_g=93.3$

$Q1=76$   $Q2=90$   $Q3=63$   $Q4=64$   $Q5=72$   $Q6=72$   $Q7=75$   $Q8=87$

$Q9=89$   $Q10=70$   $Q11=67$   $Q12=69$   $Q13=72$   $Q14=59$   $Q15=66$



### Photometric Parameters

Luminous Flux: 30396 lm

Efficiency: 152.36 lm/W

Radiant Power: 75.416 W

Total mains efficacy: 152.36 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.63V

Current: 0.9197A

Power: 199.50W

Power Factor: 0.9876

Frequency: 49.99Hz

DF: 0.9965

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 48450 (3069)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 85.00 ms

Condition: Tx:27.5°C, Ti:27.1°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-25 09:05:39

Inspector: