

## Lightsource Test Report

### Product Infomation

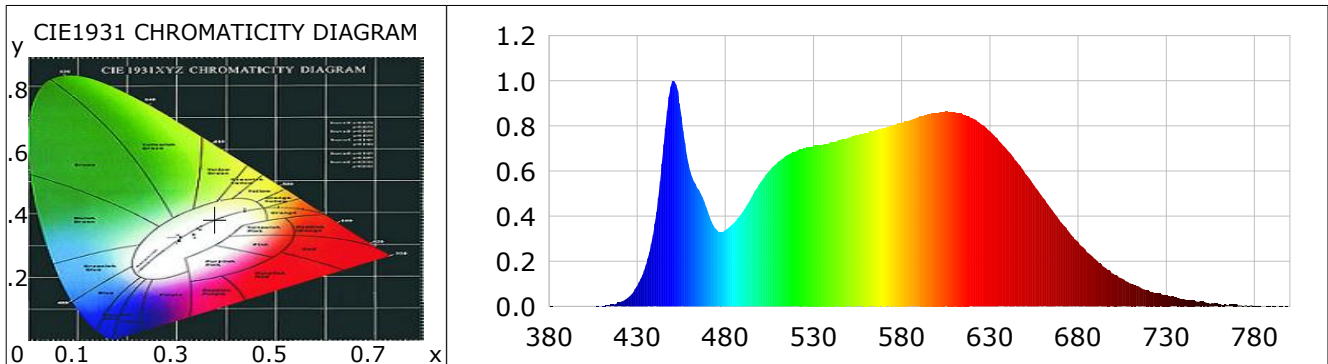
Product Type: 1

Product Number: 273

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3773$   $y=0.3834$   $u(u')=0.2205$   $v=0.3360$   $v'=0.5040$   
CCT:  $T_c=4132K$  ( $duv=0.00399$ ) Color Ratio:  $R=0.188$   $G=0.771$   $B=0.041$   
Peak Wavelength: 450.4nm Half Bandwidth: 23.8nm  
Dominant Wavelength: 576.5nm Color Purity: 0.283  
Central Wave: 454.1nm Gravity Wave: 452.8nm  
CRI:  $R_a=90.2$  TM30:  $R_f=89$ ,  $R_g=96$   
GAI:  $GAI\_BB\_8=90.5$ ,  $GAI\_BB\_15=96.5$ ,  $GAI\_EES=73.2$

R1 =89	R2 =93	R3 =97	R4 =90	R5 =89	R6 =91	R7 =92	R8 =79
R9 =45	R10=85	R11=91	R12=69	R13=91	R14=98	R15=85	TLCI=85
Color Quality Scale: $Q_a=90.6$ , $Q_f=90.7$ , $Q_p=89.6$ , $Q_g=94.6$							
Q1 =87	Q2 =98	Q3 =88	Q4 =86	Q5 =90	Q6 =91	Q7 =93	Q8 =95
Q9 =99	Q10=96	Q11=95	Q12=94	Q13=93	Q14=84	Q15=86	



### Photometric Parameters

Luminous Flux: 3652.2 lm Efficiency: 100.92 lm/W Radiant Power: 11.481 W  
Total mains efficacy: 100.92 lm/W Energy Efficiency Class: F (EU 2019/2015)  
Melanin Flux: 3.243 W M/R: 0.7387 MDER: 0.6722

### Electric Parameters

Voltage: 229.40V Current: 0.1680A Power: 36.19W  
Power Factor: 0.9470 Frequency: 49.99Hz

### Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer  
Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T  
Max of Signal: 49073 (2738) CCD Integration Time: 200.91 ms

Condition:  $T_x=26.7^\circ C$ ,  $T_i=24.6^\circ C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: CMS-2S (Plus)  
Test Time: 2025-12-10 13:08:22  
Auditor: