

## Lightsource Test Report

### Product Infomation

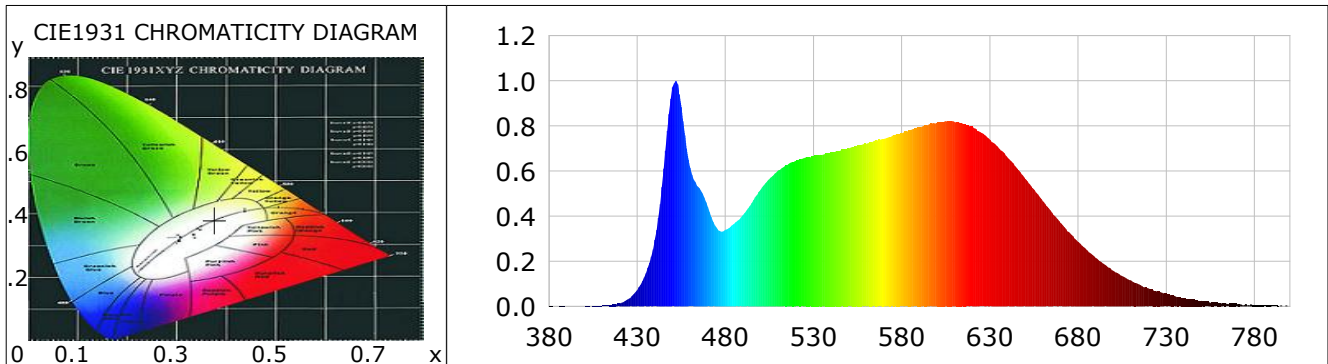
Product Type: 1

Product Number: 279

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3767$   $y=0.3810$   $u(u')=0.2210$   $v=0.3353$   $v'=0.5029$   
CCT:  $T_c=4134K$  ( $duv=0.00310$ ) Color Ratio:  $R=0.189$   $G=0.768$   $B=0.043$   
Peak Wavelength: 451.9nm Half Bandwidth: 23.5nm  
Dominant Wavelength: 576.9nm Color Purity: 0.274  
Central Wave: 455.4nm Gravity Wave: 454.2nm  
CRI:  $R_a=91.0$  TM30:  $R_f=89$ ,  $R_g=96$   
GAI:  $GAI\_BB\_8=91.6$ ,  $GAI\_BB\_15=97.9$ ,  $GAI\_EES=74.1$

R1 =91	R2 =95	R3 =98	R4 =91	R5 =90	R6 =93	R7 =92	R8 =80
R9 =48	R10=87	R11=91	R12=69	R13=92	R14=99	R15=86	TLCI=86
Color Quality Scale: $Q_a=90.8$ , $Q_f=90.9$ , $Q_p=89.9$ , $Q_g=94.8$							
Q1 =87	Q2 =97	Q3 =88	Q4 =86	Q5 =89	Q6 =91	Q7 =93	Q8 =95
Q9 =99	Q10=96	Q11=95	Q12=94	Q13=93	Q14=85	Q15=87	



### Photometric Parameters

Luminous Flux: 2178.1 lm Efficiency: 112.10 lm/W Radiant Power: 6.948 W  
Total mains efficacy: 112.10 lm/W Energy Efficiency Class: E (EU 2019/2015)  
Melanin Flux: 1.966 W M/R: 0.7508 MDER: 0.6833

### Electric Parameters

Voltage: 229.50V Current: 0.0970A Power: 19.43W  
Power Factor: 0.8740 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: 46118 (2796) CCD Integration Time: 295.88 ms

Condition:  $T_x:26.8^{\circ}C$ ,  $T_i:24.6^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: CMS-2S (Plus)  
Test Time: 2025-12-10 13:11:11  
Auditor: