

Lightsource Test Report

Product Infomation

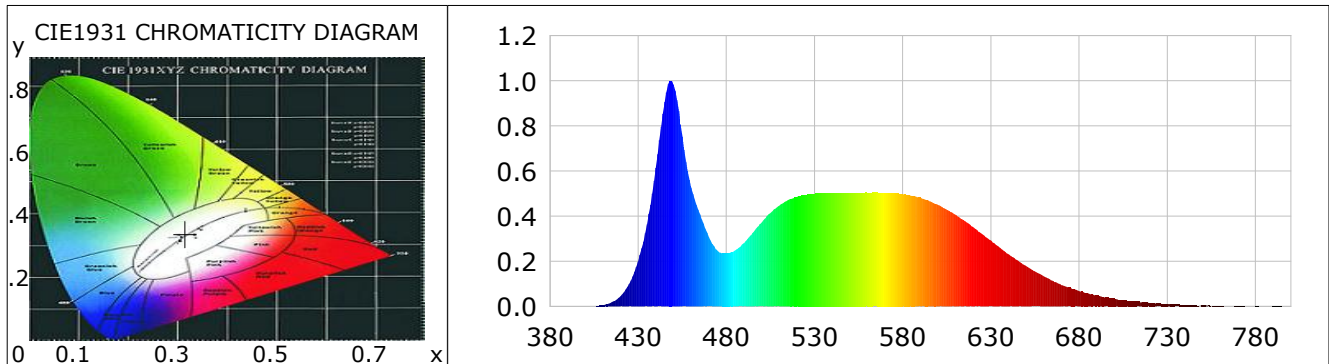
Product Category: HB03-10w

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3154$ $y=0.3377$ $u(u')=0.1965$ $v=0.3155$ $v'=0.4733$
 CCT: $T_c=6308K$ ($duv=0.00626$) Color Ratio: $R=0.131$ $G=0.817$ $B=0.052$
 Peak Wavelength: 448.5nm Half Bandwidth: 23.0nm
 Dominant Wavelength: 494.9nm Color Purity: 0.058
 Central Wave: 449.5nm Gravity Wave: 449.0nm
 CRI: $R_a=81.2$ TM30: $R_f=83$, $R_g=95$
 GAI: $GAI_BB_8=88.9$, $GAI_BB_15=93.4$, $GAI_EES=86.0$

R1 =78	R2 =85	R3 =90	R4 =82	R5 =80	R6 =81	R7 =87	R8 =66
R9 =-7	R10=65	R11=82	R12=60	R13=80	R14=95	R15=72	TLCI=62
Color Quality Scale: $Q_a=81.0$, $Q_f=81.0$, $Q_p=81.3$, $Q_g=91.0$							
Q1 =83	Q2 =98	Q3 =78	Q4 =75	Q5 =81	Q6 =83	Q7 =85	Q8 =90
Q9 =97	Q10=85	Q11=82	Q12=81	Q13=81	Q14=67	Q15=73	



Photometric Parameters

Luminous Flux: 1380.0 lm Efficiency: 0.00 lm/W Radiant Power: 4.314 W
 Total mains efficacy: 0.00 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Melanin Flux: 1.556 W M/R: 0.9380 MDER: 0.8536

Electric Parameters

Voltage: 0.00V Current: 0.0000A Power: 0.00W
 Power Factor: 0.0000 Frequency: 0.00Hz

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: 45981 (2585)	CCD Integration Time: 109.73 ms

Condition: $T_x:26.3^{\circ}C$, $T_i:26.8^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2025-04-09 13:31:29
 Auditor: