

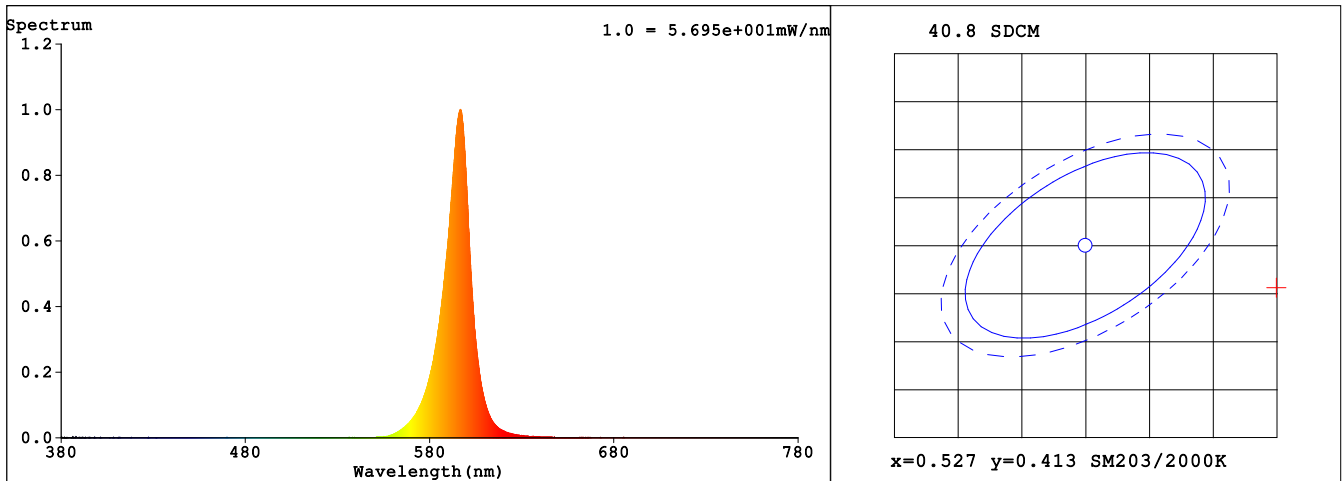
Spectrum Test Report

Sample	:	Date	: 2023-02-20
Specification	: ARCI AF59XBL01-24	Sam. Status	:
Sample No.	: 1	Standard	:
Manufacturer	: EVERFINE	Instrument	: HaasSuite(EVERFINE)
Remark	: ---	Test by	: DAMIN
Device SN	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 45449 (69%)
Test Mode	: Fast Test	T	: 569 ms
Sensitivity	: Low		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.5906$ $y = 0.4086$ / $u' = 0.3514$ $v' = 0.5471$ ($duv=4.25e-03$) $Dx, Dy: 0.0111, 0.0123$

CCT= 1550K Prcp WL: $L_d=592.7nm$ Purity=99.9%

Peak WL: $L_p=597nm$ FWHM: =14.2nm Ratio:R=20.8% G=79.2% B=0.0%

Render Index: $R_a = -25.1$ White Factor: 0.032584 $v'_{white} = 0.5497$ AvgR = -48.5 TM30:Rf=1 Rg=2

TLCI=1.56 EEI: 0.55457 B

R1 = -38.7 R2 = 51.3 R3 = 13.3 R4 = -73.8 R5 = -44.7 R6 = 40.8 R7 = -9.6

R8 = -139.2 R9 = -398.8 R10 = 29.0 R11 = -101.3 R12 = -9.4 R13 = -19.1 R14 = 43.2 R15 = -70.1

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 484.31 lm Eff. : 20.26 lm/W $F_e = 1.0146$ W Scotopic:103.62 S/P:0.21396

Flux of emitted photons($\mu mol/s$):5.0298 Flu. and blue light ratio:2295 Fluorescent eff.:42.13

Photons1:2.541e-003 $\mu mol/s(400\sim 500nm)$ Photons2:1.223e+000 $\mu mol/s(600\sim 700nm)$

Photosynthetic:PPF(400-700nm):5.0261 $\mu mol/s$ PRF(400-700nm):1013.8mW

Eff(PPF) (400-700nm):0.21 $\mu mol/s/W$

Electrical parameters

V = 119.78 V I = 0.2010 A P = 23.90 W PF = 0.9929 F=49.99 Hz