

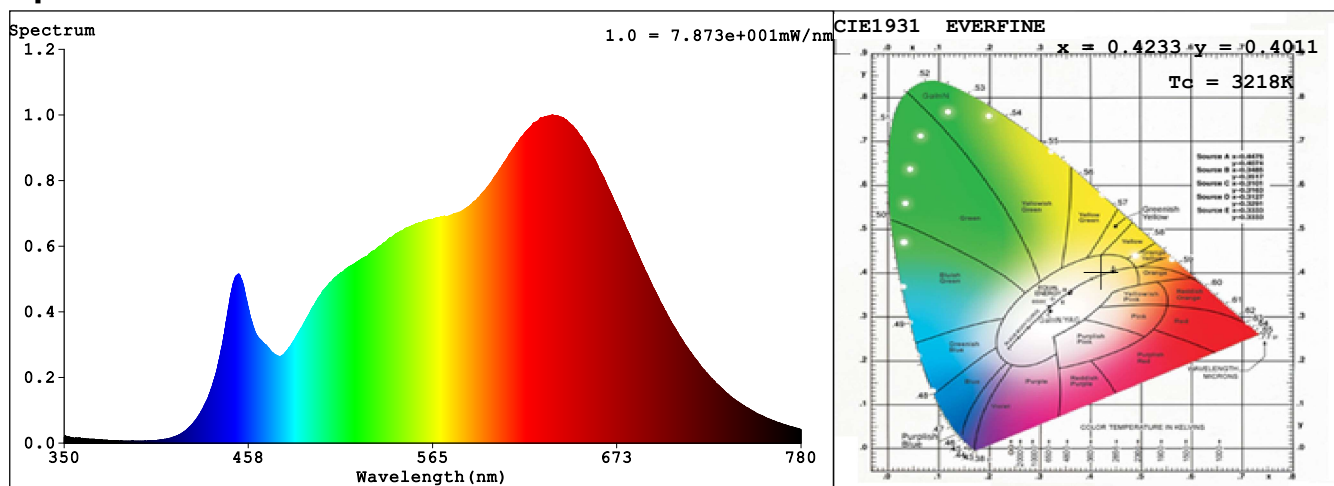
Spectrum Test Report

Sample	:	Date	: 2019-10-09 16:44:14
Specification	:	Sam. Status	:
Sample No.	: 1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 350nm-780nm	IP	: 56662 (86%)
Test Mode	: Fast Test	T	: 85 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4233$ $y = 0.4011$ / $u' = 0.2431$ $v' = 0.5182$ ($duv=8.90e-04$)
 $T_c = 3218K$ Prcp WL: $\lambda_d = 581.6nm$ Purity=47.5%
 Peak WL: $\lambda_p = 635nm$ Half Width: $\Delta\lambda_p = 184.1nm$ Ratio:R=25.3% G=71.7% B=3.1%

Render Index: $R_a = 98.6$

R1 =98	R2 =100	R3 =96	R4 =98	R5 =99	R6 =98	R7 =100	
R8 =100	R9 =99	R10=98	R11=95	R12=88	R13=99	R14=97	R15=99

Photometric & Radiometric Quantities

Flux = 3856.1 lm Eff. : 82.80 lm/W $F_e = 14.397 W$

Electrical parameters

$V = 31.05 V$ $I = 1.500 A$ $P = 46.57 W$ PF = 1.000

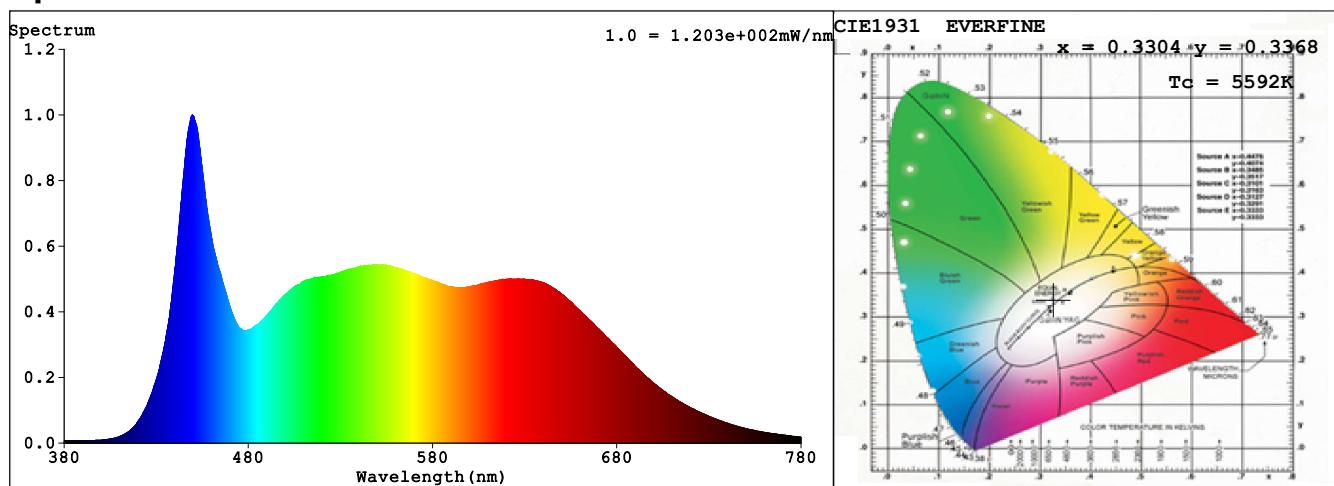
Spectrum Test Report

Sample :	Date :	2018-06-20 12:55:37
Specification :	Sam. Status :	
Sample No. : 1806001-50W	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 55990 (85%)
Test Mode : Fast Test	T : 75 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3304$ $y = 0.3368$ / $u' = 0.2071$ $v' = 0.4751$ ($duv = -1.25e-03$)
 $T_c = 5592K$ Prcp WL: $\lambda_d = 508.1nm$ Purity=0.9%
 Peak WL: $\lambda_p = 450nm$ Half Width: $\Delta\lambda_p = 26.2nm$ Ratio: R=18.0% G=76.6% B=5.4%

Render Index: $R_a = 96.2$

R1 =98	R2 =97	R3 =93	R4 =96	R5 =98	R6 =93	R7 =97	
R8 =98	R9 =98	R10=91	R11=95	R12=78	R13=98	R14=96	R15=99

Photometric & Radiometric Quantities

Flux = 4413.7 lm Eff. : 99.18 lm/W $F_e = 16.278 W$
 Flux of emitted photons($\mu mol/s$): 7.6094 Fluo. and blue light ratio: 3.587 Fluorescent eff.: 28.61

Electrical parameters

V = 29.67 V I = 1.500 A P = 44.50 W PF = 1.000