

Spectrum Test Report

Sample : DESPRE
Specification :
Sample No. : 20W 3000K
Manufacturer :
Assessor : damin
Remark :

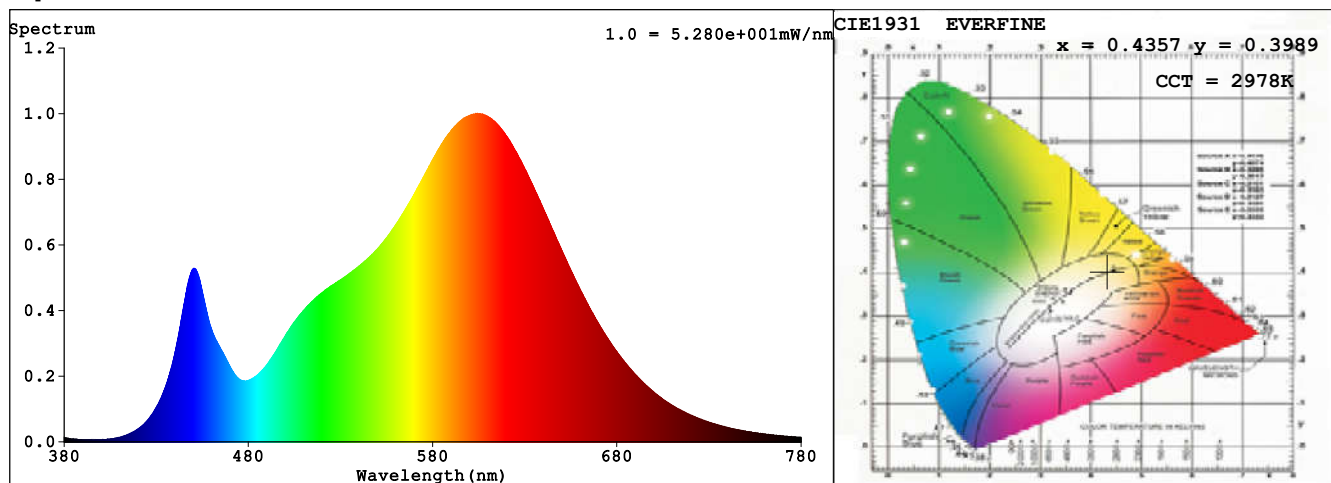
Date : 2024-11-29
Standard tus :
Instrument : HaasSuite(EVERFINE)
Test by :

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 65.0%
IP : 47994 (73%)
T : 64 ms

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4357$ $y = 0.3989$ / $u' = 0.2520$ $v' = 0.5191$ ($duv = -1.91e-03$)

CCT= 2978K Prcp WL: $L_d = 583.6nm$ Purity=50.5%

Peak WL: $L_p = 604nm$ FWHM: $= 125.2nm$ Ratio: R=23.3% G=74.1% B=2.6%

Render Index: $R_a = 83.3$

R1 =82 R2 =92 R3 =96 R4 =82 R5 =83 R6 =91 R7 =82
R8 =59 R9 =9 R10=82 R11=82 R12=76 R13=85 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 2415.3 lm Eff. : 121.25 lm/W $F_e = 7.8428 W$

Electrical parameters

V = 230.0 V I = 0.1576 A P = 19.92 W PF = 0.5495 F=49.99 Hz

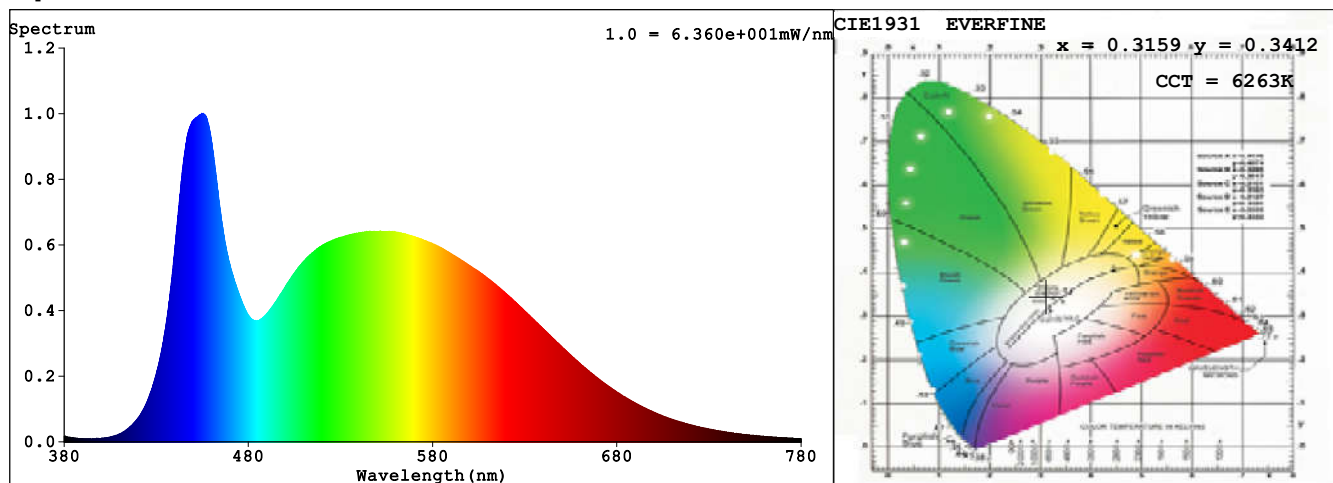
Spectrum Test Report

Sample	:	Date	: 2024-11-29
Specification	:	Standard	tus :
Sample No.	: 20W 6500K	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52861 (81%)
Test Mode	: Fast Test	T	: 88 ms
Sensitivity	: High		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3159$ $y = 0.3412$ / $u' = 0.1955$ $v' = 0.4752$ ($duv=7.76e-03$)

CCT= 6263K Prcp WL: $L_d=497.6nm$ Purity=5.5%

Peak WL: $L_p=455nm$ FWHM: $=33.6nm$ Ratio: R=13.5% G=80.7% B=5.8%

Render Index: $R_a = 84.4$

R1 =82 R2 =89 R3 =93 R4 =83 R5 =82 R6 =84 R7 =90

R8 =72 R9 =16 R10=73 R11=81 R12=62 R13=83 R14=96 R15=77

Photometric & Radiometric Parameters

Flux = 2501.8 lm Eff. : 125.59 lm/W $Fe = 8.6685 W$

Electrical parameters

V = 230.0 V I = 0.1567 A P = 19.92 W PF = 0.5526 F=49.99 Hz

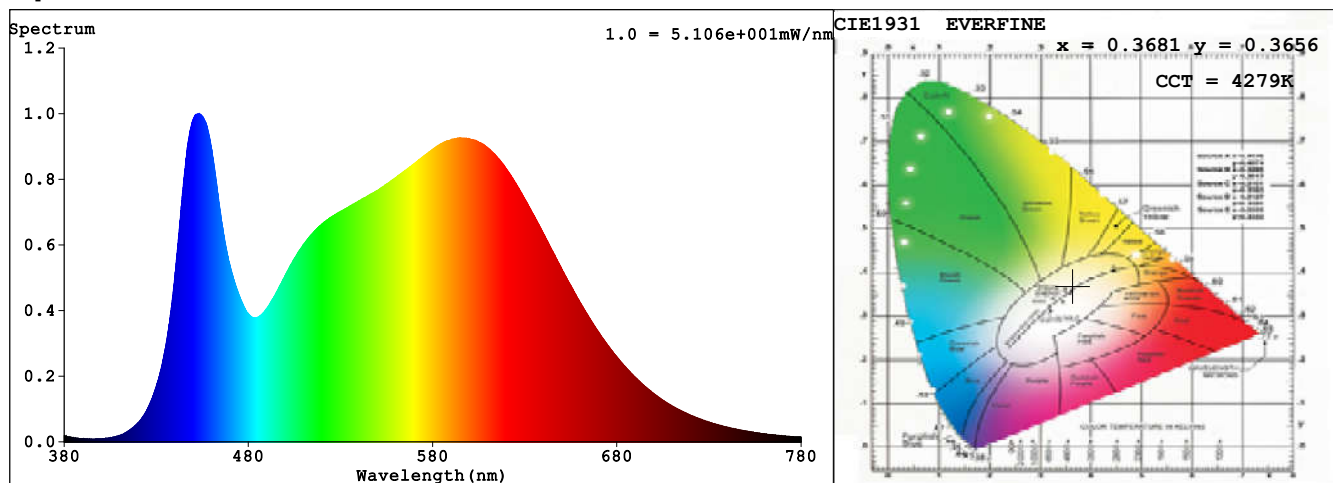
Spectrum Test Report

Sample	:	Date	: 2024-11-29
Specification	:	Standard	tus :
Sample No.	: 20W 4200K	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47350 (72%)
Test Mode	: Fast Test	T	: 70 ms
Sensitivity	: High		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3681$ $y = 0.3656$ / $u' = 0.2214$ $v' = 0.4947$ ($duv = -1.51e-03$)

CCT= 4279K Prcp WL: $L_d = 579.0\text{nm}$ Purity=20.2%

Peak WL: $L_p = 453\text{nm}$ FWHM: $= 31.9\text{nm}$ Ratio: R=18.3% G=77.4% B=4.4%

Render Index: $R_a = 87.6$

R1 =87	R2 =94	R3 =96	R4 =86	R5 =87	R6 =90	R7 =88
R8 =73	R9 =30	R10=83	R11=86	R12=68	R13=89	R14=98
						R15=83

Photometric & Radiometric Parameters

Flux = 2586.4 lm Eff. : 135.20 lm/W Fe = 9.0440 W

Electrical parameters

V = 230.0 V I = 0.1510 A P = 19.13 W PF = 0.5509 F=49.99 Hz