

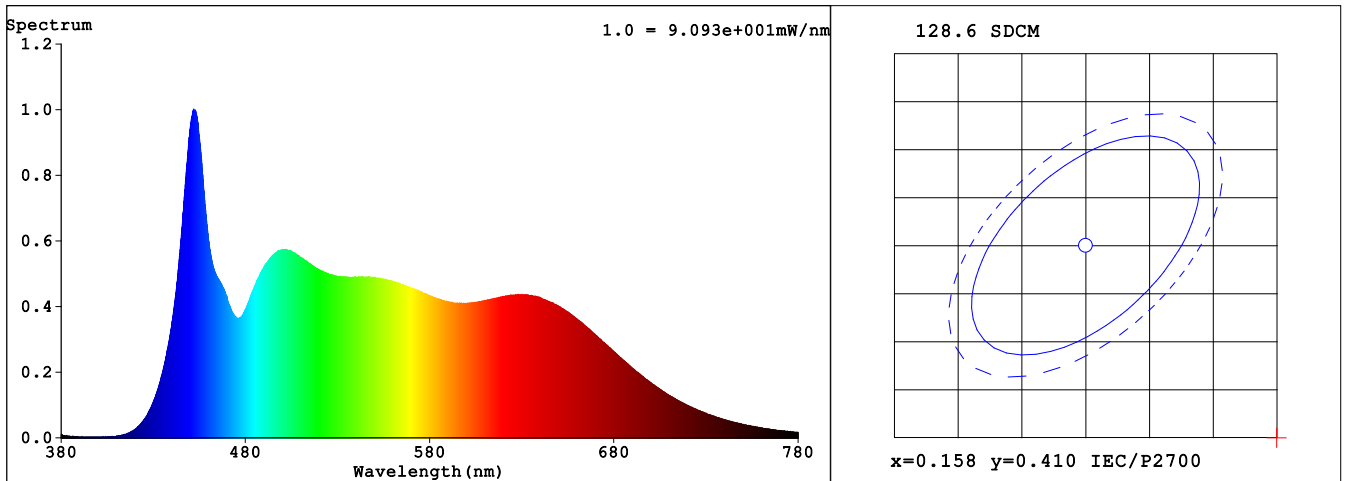
Spectrum Test Report

Sample	: T5 TYPE A Ra95	Date	: 2018-05-11 11:32:56
Specification	: T5 4ft 24W TYPE A Ra95 6500K	Standard	: tus
Sample No.	: 180375 T5 TYPE A Ra95 65K D1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Lr
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47380 (72%)
Test Mode	: Accuracy Test	T	: 331 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3190$ $y = 0.3439$ / $u' = 0.1966$ $v' = 0.4770$ ($duv=7.63e-03$) $Dx,Dy:-0.0012,0.0139$

CCT= 6107K Prcp WL: $Ld=501.5nm$ Purity=4.4%

Peak WL: $Lp=452nm$ FWHM: =20.6nm Ratio:R=15.7% G=77.1% B=7.2%

Render Index: $Ra = 97.3$

R1 =98	R2 =98	R3 =98	R4 =96	R5 =98	R6 =99	R7 =96	
R8 =96	R9 =98	R10=96	R11=99	R12=79	R13=98	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 3095.8 lm Eff. : 47.63 lm/W $Fe = 11.412 W$

Flux of emitted photons($\mu mol/s$):53.156 Fluo. and blue light ratio:4.015 Fluorescent eff.:77.48

Photons1:1.290e+001 $\mu mol/s(400\sim 500nm)$ Photons2:1.736e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.00 V$ $I = 0.9830 A$ $P = 65.00 W$ PF = 0.5510 F=60.00 Hz

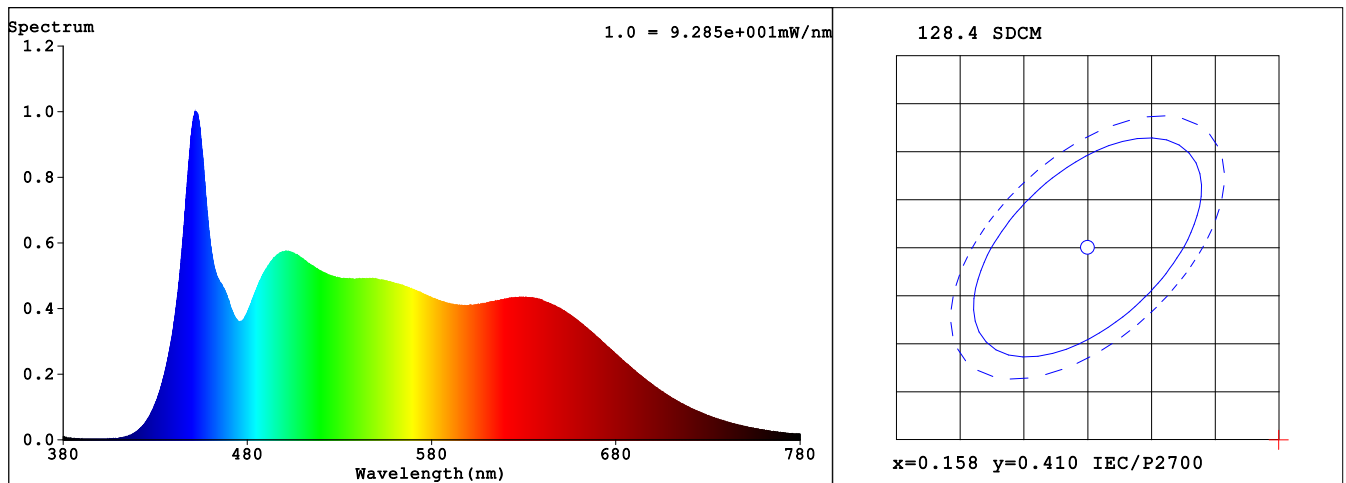
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 11:34:41
Specification : T5 4ft 24W TYPE A Ra95 6500K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 65K D2	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 48545 (74%)
Test Mode : Accuracy Test	T : 331 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3189$ $y = 0.3443$ / $u' = 0.1964$ $v' = 0.4772$ ($duv=7.85e-03$) $Dx, Dy: -0.0012, 0.0143$

CCT= 6107K Prcp WL: $L_d=501.8nm$ Purity=4.4%

Peak WL: $L_p=452nm$ FWHM: =20.3nm Ratio:R=15.7% G=77.2% B=7.2%

Render Index: $R_a = 97.3$

R1 =98	R2 =98	R3 =98	R4 =96	R5 =98	R6 =99	R7 =96	
R8 =96	R9 =97	R10=97	R11=98	R12=79	R13=97	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 3164.0 lm Eff. : 48.60 lm/W $F_e = 11.639 W$

Flux of emitted photons($\mu mol/s$):54.201 Flu. and blue light ratio:4.047 Fluorescent eff.:78.83

Photons1:1.315e+001 $\mu mol/s(400\sim 500nm)$ Photons2:1.766e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.00 V$ $I = 0.9870 A$ $P = 65.10 W$ PF = 0.5496 F=60.00 Hz

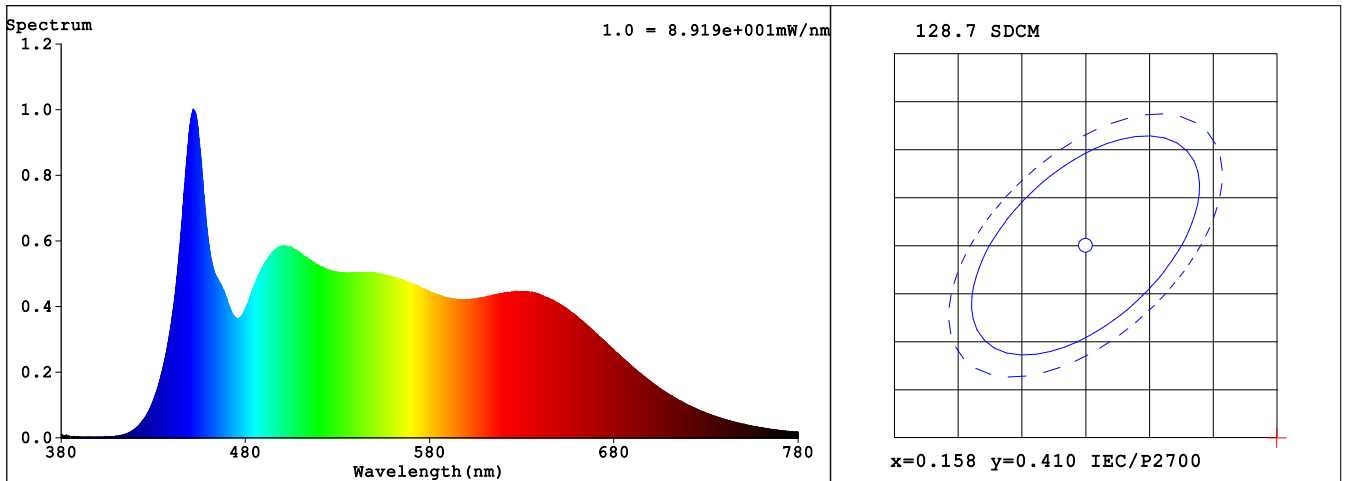
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 11:36:13
Specification : T5 4ft 24W TYPE A Ra95 6500K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 65K D3	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 47879 (73%)
Test Mode : Accuracy Test	T : 331 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3205$ $y = 0.3462$ / $u' = 0.1968$ $v' = 0.4783$ ($duv=8.04e-03$) $Dx, Dy: -0.0011, 0.0149$

CCT= 6029K Prcp WL: $L_d=505.3nm$ Purity=3.9%

Peak WL: $L_p=452nm$ FWHM: =20.6nm Ratio:R=15.7% G=77.2% B=7.1%

Render Index: $R_a = 97.3$

R1 =98	R2 =98	R3 =98	R4 =96	R5 =97	R6 =98	R7 =96	
R8 =96	R9 =95	R10=97	R11=98	R12=79	R13=97	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 3115.1 lm Eff. : 48.00 lm/W $F_e = 11.417 W$

Flux of emitted photons($\mu mol/s$):53.211 Fluo. and blue light ratio:4.113 Fluorescent eff.:77.57

Photons1:1.276e+001 $\mu mol/s(400\sim 500nm)$ Photons2:1.741e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.00 V$ $I = 0.9870 A$ $P = 64.90 W$ PF = 0.5480 F=60.00 Hz

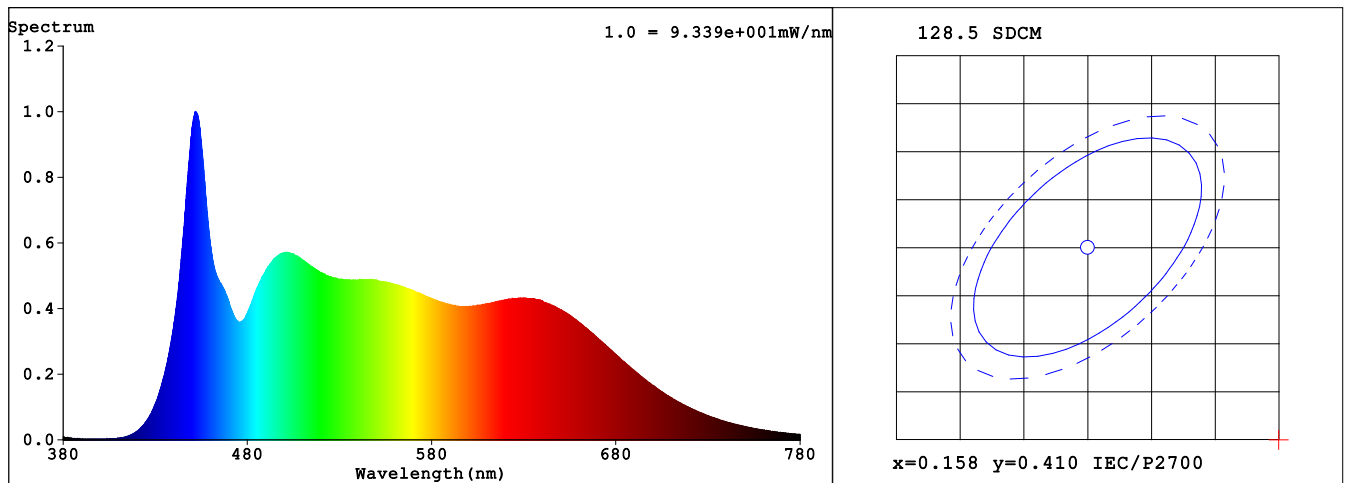
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 11:39:06
Specification : T5 4ft 24W TYPE A Ra95 6500K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 65K D4	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 48397 (74%)
Test Mode : Accuracy Test	T : 331 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3186$ $y = 0.3437$ / $u' = 0.1965$ $v' = 0.4768$ ($duv=7.67e-03$) $Dx, Dy: -0.0012, 0.0139$

CCT= 6121K Prcp WL: $L_d=501.0nm$ Purity=4.5%

Peak WL: $L_p=452nm$ FWHM: =20.2nm Ratio:R=15.7% G=77.1% B=7.2%

Render Index: $R_a = 97.4$

R1 =98	R2 =98	R3 =98	R4 =96	R5 =98	R6 =99	R7 =96	
R8 =96	R9 =98	R10=97	R11=99	R12=79	R13=98	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 3160.1 lm Eff. : 48.59 lm/W $F_e = 11.643 W$

Flux of emitted photons($\mu mol/s$):54.211 Fluo. and blue light ratio:4.029 Fluorescent eff.:78.62

Photons1:1.319e+001 $\mu mol/s(400\sim 500nm)$ Photons2:1.766e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.00 V I = 0.9890 A P = 65.03 W PF = 0.5480 F=60.00 Hz