

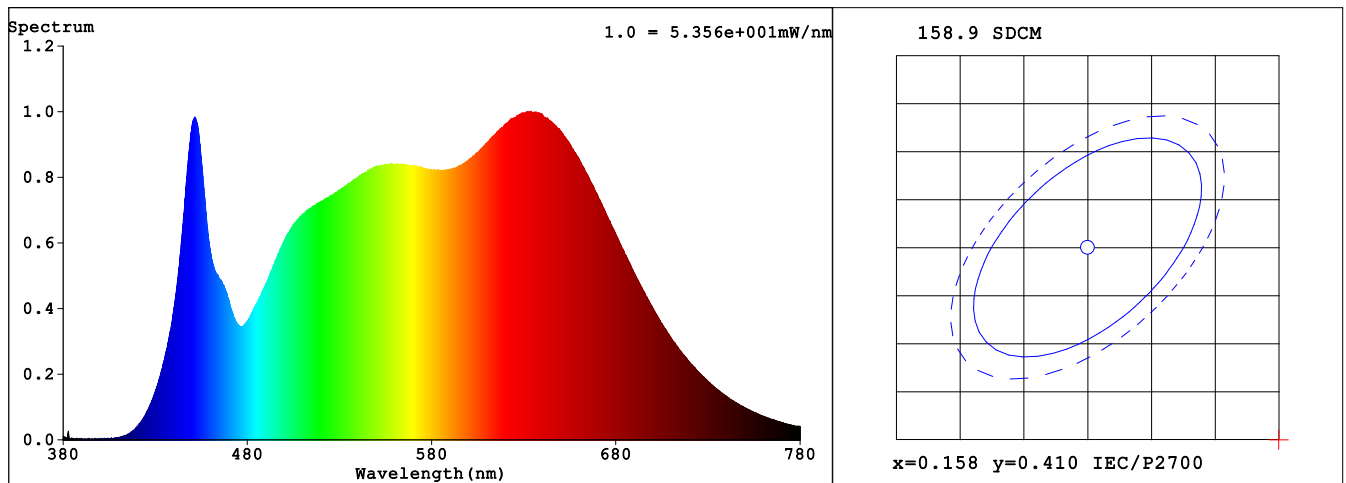
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 10:46:13
Specification : T5 4ft 24W TYPE A Ra95 4000K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 40K C1	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 48407 (74%)
Test Mode : Accuracy Test	T : 277 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3869$ $y = 0.3861$ / $u' = 0.2256$ $v' = 0.5066$ ($duv=2.48e-03$) $Dx, Dy: 0.0019, 0.0066$

CCT= 3899K Prcp WL: $L_d=578.2nm$ Purity=32.0%

Peak WL: $L_p=633nm$ FWHM: =198.7nm Ratio:R=20.4% G=75.5% B=4.1%

Render Index: $R_a = 96.8$

R1 =98	R2 =97	R3 =94	R4 =98	R5 =96	R6 =94	R7 =99	
R8 =99	R9 =94	R10=91	R11=97	R12=77	R13=97	R14=96	R15=97

Photometric & Radiometric Parameters

Flux = 3119.2 lm Eff. : 47.99 lm/W $F_e = 11.235 W$

Flux of emitted photons($\mu mol/s$):54.685 Fluo. and blue light ratio:7.152 Fluorescent eff.:83.49

Photons1:7.594e+000 $\mu mol/s(400\sim 500nm)$ Photons2:2.354e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.00 V$ $I = 0.9840 A$ $P = 65.00 W$ PF = 0.5505 F=60.00 Hz

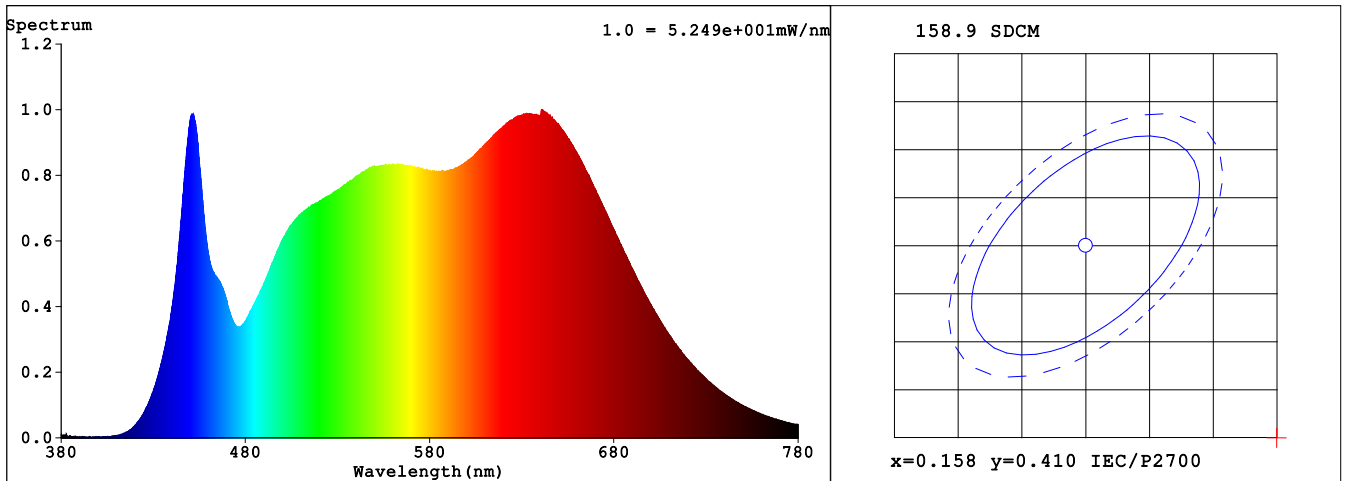
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 10:48:37
Specification : T5 4ft 24W TYPE A Ra95 4000K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 40K C2	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 46859 (72%)
Test Mode : Accuracy Test	T : 277 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3869$ $y = 0.3860$ / $u' = 0.2256$ $v' = 0.5065$ ($duv=2.43e-03$) $Dx, Dy: 0.0019, 0.0064$
 CCT= 3899K Prcp WL: $L_d=578.3nm$ Purity=31.9%
 Peak WL: $L_p=641nm$ FWHM: =199.1nm Ratio:R=20.4% G=75.5% B=4.1%

Render Index: $R_a = 96.9$

R1 =98	R2 =97	R3 =94	R4 =98	R5 =97	R6 =94	R7 =98	
R8 =99	R9 =96	R10=91	R11=97	R12=77	R13=97	R14=96	R15=97

Photometric & Radiometric Parameters

Flux = 3031.0 lm Eff. : 46.70 lm/W $F_e = 10.975 W$
 Flux of emitted photons($\mu mol/s$):53.471 Fluo. and blue light ratio:7.117 Fluorescent eff.:81.35
 Photons1:7.375e+000 $\mu mol/s(400\sim 500nm)$ Photons2:2.313e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.00 V I = 0.9860 A P = 64.90 W PF = 0.5485 F=60.00 Hz

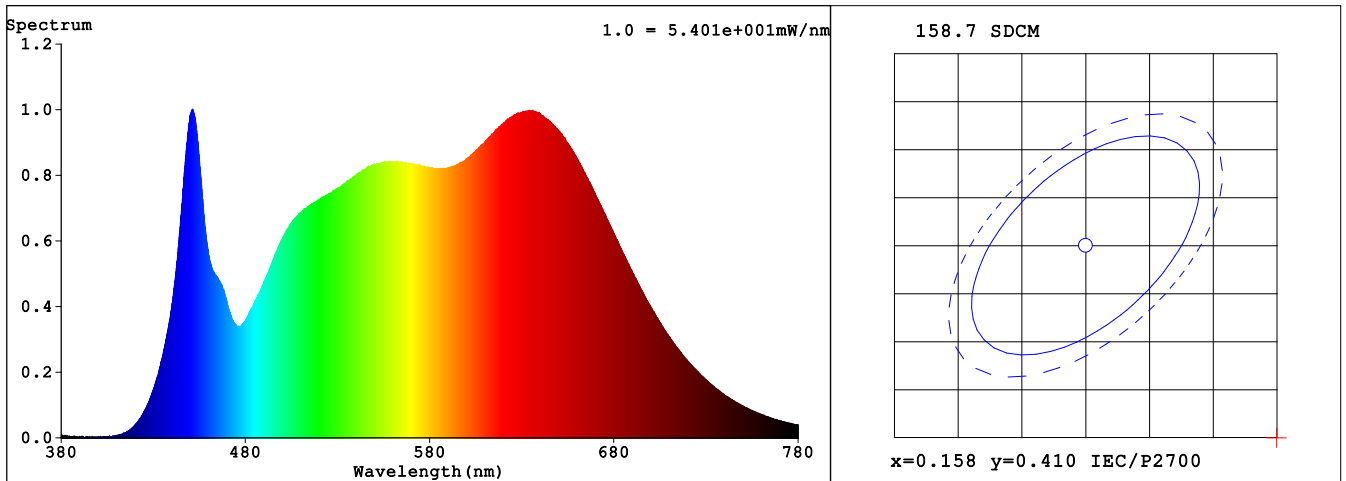
Spectrum Test Report

Sample	: T5 TYPE A Ra95	Date	: 2018-05-11 10:53:01
Specification	: T5 4ft 24W TYPE A Ra95 4000K	Standard	: tus
Sample No.	: 180375 T5 TYPE A Ra95 40K C3	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Lr
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48668 (74%)
Test Mode	: Accuracy Test	T	: 277 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3865$ $y = 0.3858$ / $u' = 0.2255$ $v' = 0.5064$ ($duv=2.46e-03$) $Dx, Dy: 0.0019, 0.0065$

CCT= 3907K Prcp WL: $L_d=578.2nm$ Purity=31.8%

Peak WL: $L_p=452nm$ FWHM: =21.4nm Ratio:R=20.4% G=75.6% B=4.1%

Render Index: $R_a = 96.6$

R1 =98 R2 =96 R3 =94 R4 =98 R5 =96 R6 =94 R7 =99

R8 =99 R9 =94 R10=91 R11=97 R12=76 R13=97 R14=96 R15=97

Photometric & Radiometric Parameters

Flux = 3143.6 lm Eff. : 48.29 lm/W $F_e = 11.311 W$

Flux of emitted photons($\mu mol/s$):55.037 Flu. and blue light ratio:6.991 Fluorescent eff.:83.40

Photons1:7.661e+000 $\mu mol/s(400\sim 500nm)$ Photons2:2.365e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.00 V I = 0.9890 A P = 65.10 W PF = 0.5485 F=60.00 Hz

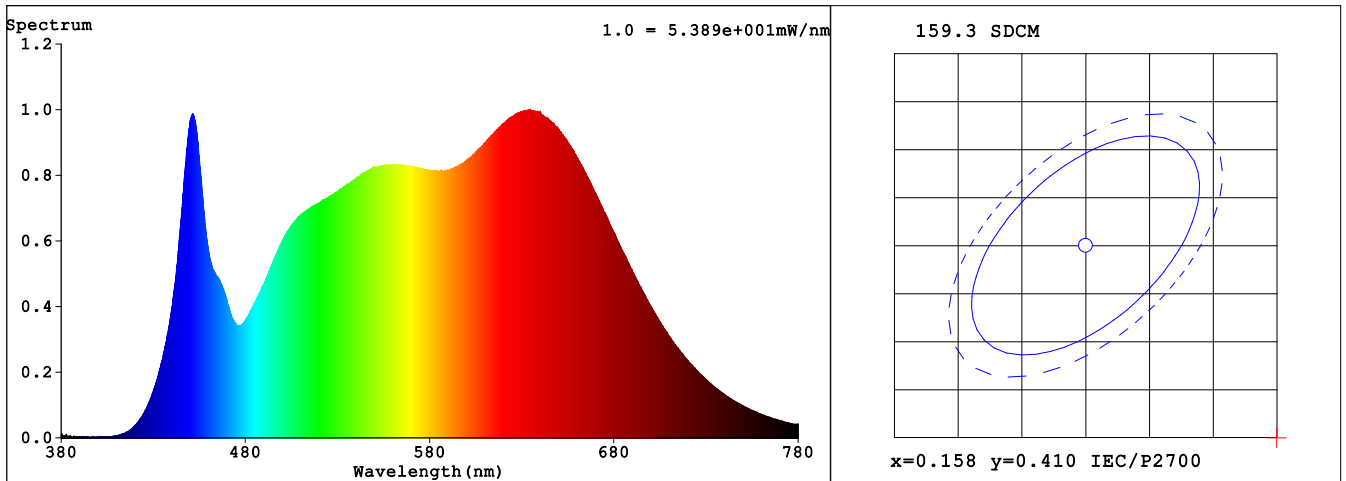
Spectrum Test Report

Sample : T5 TYPE A Ra95	Date : 2018-05-11 10:54:31
Specification : T5 4ft 24W TYPE A Ra95 4000K	Standardtus :
Sample No. : 180375 T5 TYPE A Ra95 40K C4	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 48560 (74%)
Test Mode : Accuracy Test	T : 277 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3871$ $y = 0.3851$ / $u' = 0.2261$ $v' = 0.5062$ ($duv=1.99e-03$) $Dx, Dy: 0.0015, 0.0053$
 CCT= 3887K Prcp WL: $L_d=578.5nm$ Purity=31.8%
 Peak WL: $L_p=635nm$ FWHM: =198.5nm Ratio:R=20.5% G=75.4% B=4.1%

Render Index: Ra = 97.0

R1 =98	R2 =97	R3 =94	R4 =98	R5 =97	R6 =94	R7 =99	
R8 =99	R9 =96	R10=92	R11=97	R12=77	R13=98	R14=96	R15=98

Photometric & Radiometric Parameters

Flux = 3109.2 lm Eff. : 47.76 lm/W Fe = 11.241 W
 Flux of emitted photons($\mu mol/s$):54.735 Flu. and blue light ratio:7.178 Fluorescent eff.:83.15
 Photons1:7.599e+000 $\mu mol/s(400\sim 500nm)$ Photons2:2.365e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.00 V I = 0.9890 A P = 65.10 W PF = 0.5485 F=60.00 Hz