

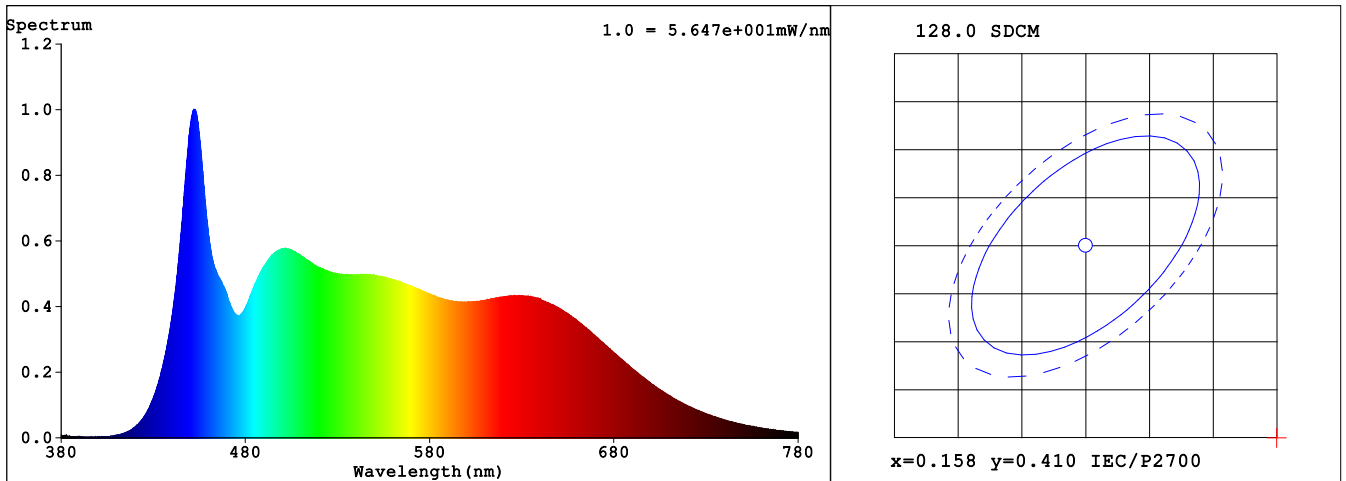
Spectrum Test Report

Sample	: T8 TYPE A+B Ra95	Date	: 2018-05-11 13:53:51
Specification	: T8 4ft 18W TYPE A+B Ra95 6500K	Standard	: tus
Sample No.	: 180375 T8 TYPE A+B Ra95 65K B1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Lr
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47012 (72%)
Test Mode	: Accuracy Test	T	: 523 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3174$ $y = 0.3427$ / $u' = 0.1960$ $v' = 0.4761$ ($duv=7.78e-03$) $Dx, Dy: -0.0013, 0.0140$

CCT= 6185K Prcp WL: $L_d=499.4nm$ Purity=4.9%

Peak WL: $L_p=453nm$ FWHM: =21.7nm Ratio:R=15.5% G=77.3% B=7.2%

Render Index: $R_a = 97.2$

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 = 1942.5 lm Eff. : 113.22 lm/W $F_e = 7.1485 W$

Flux of emitted photons($\mu mol/s$):33.235 Fluo. and blue light ratio:3.897 Fluorescent eff.:325.8

Photons1:8.183e+000 $\mu mol/s(400\sim 500nm)$ Photons2:1.071e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.08 V I = 0.1455 A P = 17.16 W PF = 0.9822 F=59.98 Hz

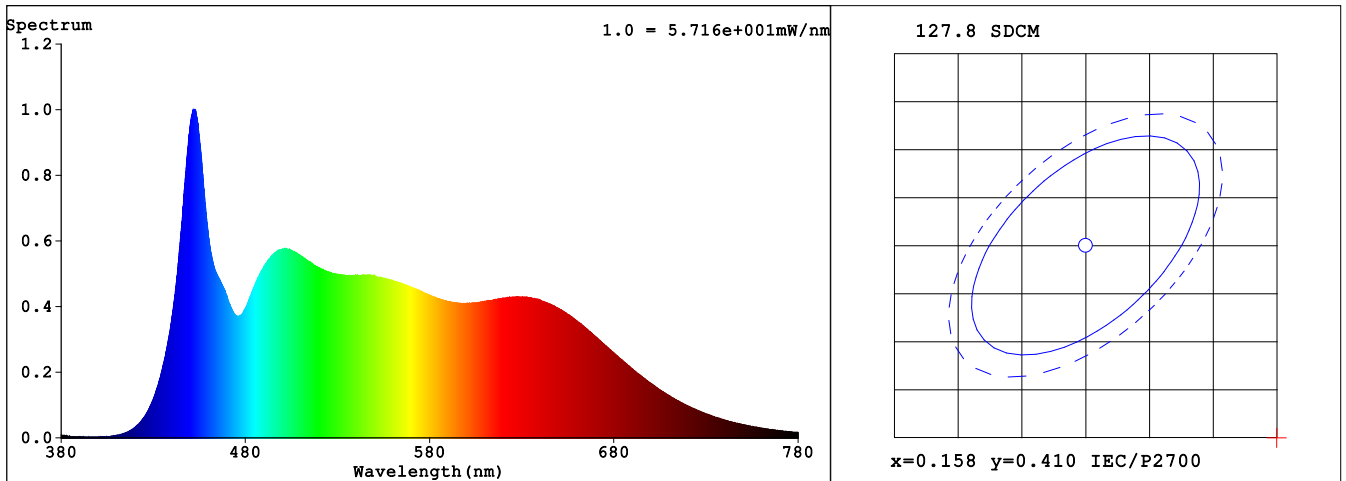
Spectrum Test Report

Sample	: T8 TYPE A+B Ra95	Date	: 2018-05-11 13:57:01
Specification	: T8 4ft 18W TYPE A+B Ra95 6500K	Standard	: tus
Sample No.	: 180375 T8 TYPE A+B Ra95 65K B2	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Lr
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47275 (72%)
Test Mode	: Accuracy Test	T	: 523 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3170$ $y = 0.3427$ / $u' = 0.1957$ $v' = 0.4761$ ($duv=7.99e-03$) $Dx, Dy: -0.0014, 0.0144$

CCT= 6203K Prcp WL: $L_d=499.2nm$ Purity=5.1%

Peak WL: $L_p=453nm$ FWHM: =21.5nm Ratio:R=15.5% G=77.3% B=7.2%

Render Index: $R_a = 97.2$

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 = 1955.4 lm Eff. : 112.01 lm/W $F_e = 7.1979 W$

Flux of emitted photons($\mu mol/s$):33.463 Flu. and blue light ratio:3.922 Fluorescent eff.:323.0

Photons1:8.244e+000 $\mu mol/s(400\sim 500nm)$ Photons2:1.077e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 120.07 V I = 0.1479 A P = 17.46 W PF = 0.9827 F=59.97 Hz

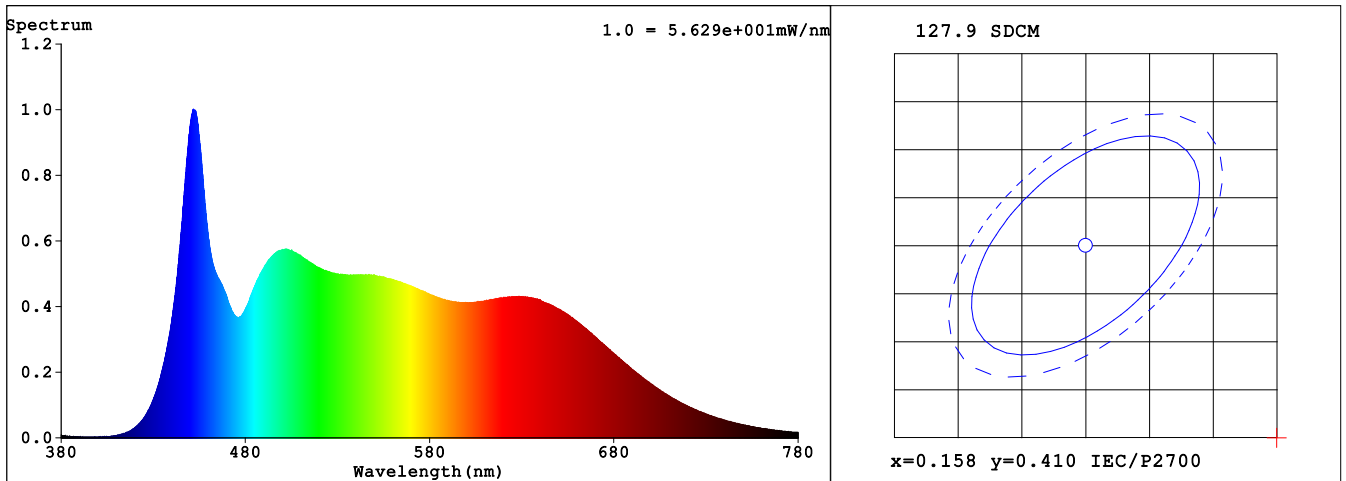
Spectrum Test Report

Sample : T8 TYPE A+B Ra95	Date : 2018-05-11 13:58:09
Specification : T8 4ft 18W TYPE A+B Ra95 6500K	Standardtus :
Sample No. : 180375 T8 TYPE A+B Ra95 65K B3	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 46834 (71%)
Test Mode : Accuracy Test	T : 523 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3177$ $y = 0.3436$ / $u' = 0.1959$ $v' = 0.4767$ ($duv=8.10e-03$) $Dx,Dy:-0.0014,0.0147$

CCT= 6166K Prcp WL: $L_d=500.4nm$ Purity=4.8%

Peak WL: $L_p=452nm$ FWHM: $=21.1nm$ Ratio:R=15.5% G=77.3% B=7.2%

Render Index: $R_a = 97.0$

R1 =97	R2 =98	R3 =98	R4 =96	R5 =97	R6 =98	R7 =96	
R8 =95	R9 =94	R10=97	R11=98	R12=78	R13=97	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 1930.7 lm Eff. : 112.68 lm/W $F_e = 7.0807 W$

Flux of emitted photons($\mu mol/s$):32.921 Fluo. and blue light ratio:3.921 Fluorescent eff.:323.8

Photons1:8.076e+000 $\mu mol/s(400\sim 500nm)$ Photons2:1.059e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.08 V$ $I = 0.1452 A$ $P = 17.13 W$ PF = 0.9829 F=59.98 Hz

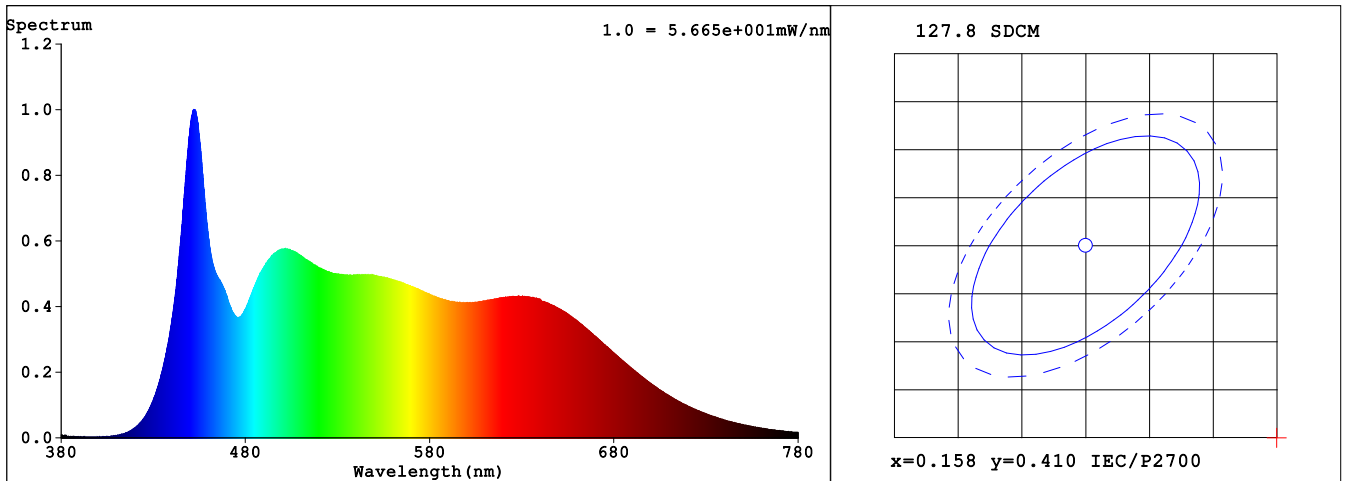
Spectrum Test Report

Sample : T8 TYPE A+B Ra95	Date : 2018-05-11 13:59:26
Specification : T8 4ft 18W TYPE A+B Ra95 6500K	Standardtus :
Sample No. : 180375 T8 TYPE A+B Ra95 65K B4	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : Lr
Assessor : damin	
Remark :	

Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 47167 (72%)
Test Mode : Accuracy Test	T : 523 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3179$ $y = 0.3440$ / $u' = 0.1958$ $v' = 0.4769$ ($duv=8.21e-03$) $Dx, Dy: -0.0014, 0.0149$

CCT= 6159K Prcp WL: $L_d=500.8nm$ Purity=4.7%

Peak WL: $L_p=452nm$ FWHM: =21.0nm Ratio:R=15.5% G=77.3% B=7.2%

Render Index: $R_a = 97.0$

R1 =97	R2 =98	R3 =98	R4 =96	R5 =97	R6 =98	R7 =96	
R8 =95	R9 =94	R10=97	R11=98	R12=78	R13=97	R14=98	R15=95

Photometric & Radiometric Parameters

Flux = 1944.1 lm Eff. : 112.71 lm/W $F_e = 7.1340 W$

Flux of emitted photons($\mu mol/s$):33.18 Fluo. and blue light ratio:3.933 Fluorescent eff.:324.2

Photons1:8.121e+000 $\mu mol/s(400\sim 500nm)$ Photons2:1.070e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

$V = 120.07 V$ $I = 0.1462 A$ $P = 17.25 W$ PF = 0.9829 F=59.98 Hz