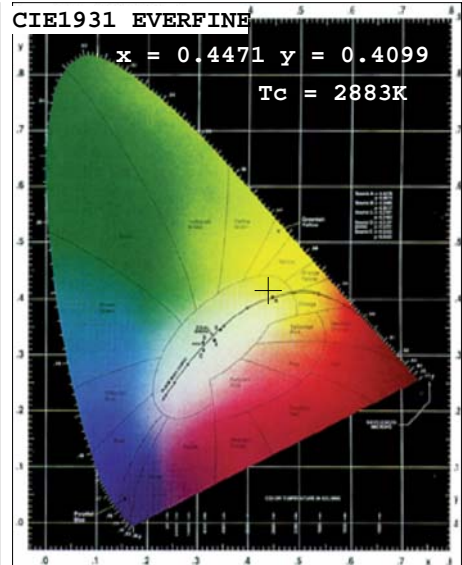
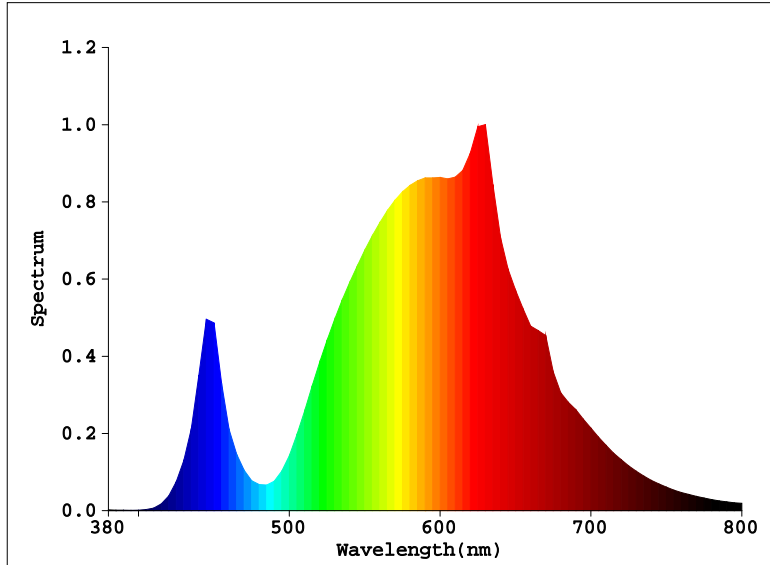


**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4471$   $y=0.4099$   $u'=0.2546$   $v'=0.5252$

Tc=2883K Dominant WL:Ld=583.0nm Purity=57.2% Centroid WL:595.0nm

Ratio:R=24.4% G=74.4% B=1.2% Peak WL:Lp=630.0nm HWL:127.0nm

Render Index:Ra=76.5

R1 =75	R2 =82	R3 =86	R4 =75	R5 =72	R6 =73	R7 =85	
R8 =64	R9 =13	R10=56	R11=68	R12=45	R13=76	R14=91	R15=72

**Photo Parameters:**

Flux: 2149.9 lm Fe: 6.6444 W Efficacy:65.39 lm/W

LEVEL:OUT WHITE:OUT

**Electrical Parameters:**

Luminaire: U=218.9V I=0.1562A P=32.88W PF=0.9614

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  
REF=33876(R=3) %=-0.124%

Ip=59562(G=5,D=43)  
PMT: 19.4 centigrade [19.8]

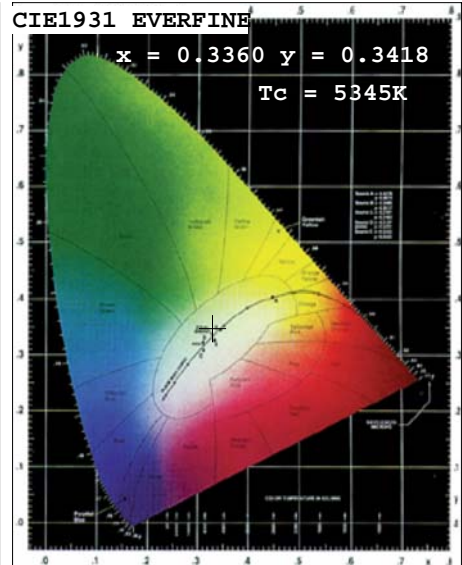
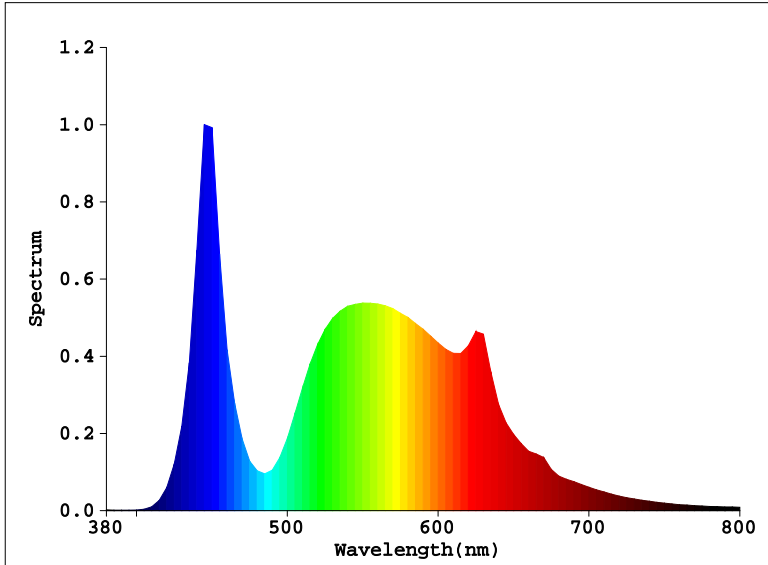
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Product Type:FCL9-32W-2883K  
Number:5  
Temperature:25.3 deg  
Test Operator:DAMIN  
Software:V2.00.100

Manufacturer:FOBSUN ELECTRONICS INC.  
Test Department:FOBSUN ELECTRONICS INC.  
Humidity:65.0%  
Test Date:2012-02-15 11:38:07  
Instrument:PMS-50SSA\_V1 (SN:1007074)

**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3360$   $y=0.3418$  /  $u'=0.2091$   $v'=0.4784$

$T_c=5345K$  Dominant WL:  $L_d=565.7nm$  Purity=3.4% Centroid WL:  $552.0nm$

Ratio: R=16.1% G=80.8% B=3.0% Peak WL:  $L_p=445.0nm$  HWL:  $21.3nm$

Render Index:  $R_a=76.9$

R1 =78	R2 =79	R3 =76	R4 =79	R5 =78	R6 =70	R7 =83	
R8 =72	R9 =16	R10=47	R11=77	R12=46	R13=77	R14=86	R15=77

**Photo Parameters:**

Flux: 2449.6 lm Fe: 7.6411 W Efficacy: 74.87 lm/W

LEVEL:OUT WHITE:OUT

**Electrical Parameters:**

Luminaire: U=218.9V I=0.1555A P=32.72W PF=0.9611

*Instrument Status:*

Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]  
REF=38039(R=3) %=-0.203%

$I_p=58495(G=4,D=43)$   
PMT: 19.5 centigrade [20.0]

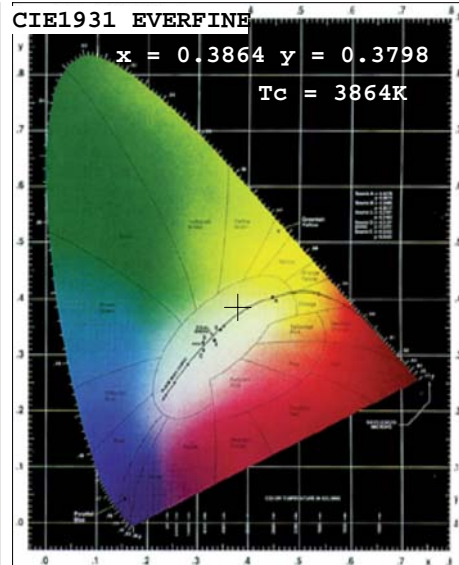
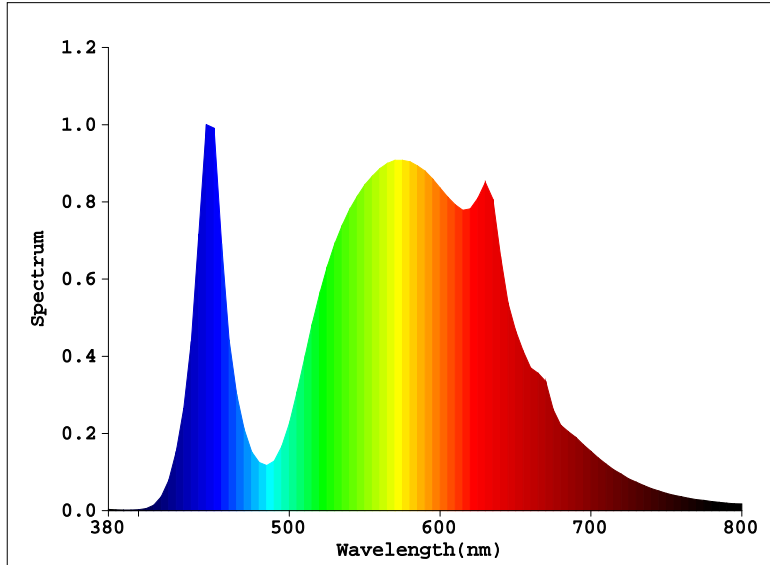
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Product Type: FCL9-32W-5345K  
Number: 6  
Temperature: 25.3 deg  
Test Operator: DAMIN  
Software: V2.00.100

Manufacturer: FOBSUN ELECTRONICS INC.  
Test Department: FOBSUN ELECTRONICS INC.  
Humidity: 65.0%  
Test Date: 2012-02-15 11:42:34  
Instrument: PMS-50SSA\_V1 (SN:1007074)

**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3864$   $y=0.3798$   $u'=0.2278$   $v'=0.5038$

Tc=3864K Dominant WL:Ld=579.7nm Purity=30.0% Centroid WL:573.0nm

Ratio:R=19.3% G=78.7% B=2.0% Peak WL:Lp=445.0nm HWL:22.7nm

Render Index:Ra=75.5

R1 =75	R2 =80	R3 =81	R4 =75	R5 =73	R6 =69	R7 =84	
R8 =67	R9 =10	R10=49	R11=70	R12=42	R13=74	R14=89	R15=73

**Photo Parameters:**

Flux: 2137.9 lm Fe: 6.4673 W Efficacy:67.58 lm/W

LEVEL:OUT WHITE:OUT

**Electrical Parameters:**

Luminaire: U=218.8V I=0.1591A P=31.64W PF=0.9085

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  
REF=33460(R=3) %=-0.150%

Ip=29536(G=4,D=46)  
PMT: 30.6 centigrade [31.4]

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Product Type:FCL9-32W-3864K  
Number:7  
Temperature:25.3 deg  
Test Operator:DAMIN  
Software:V2.00.100

Manufacturer:FOBSUN ELECTRONICS INC.  
Test Department:FOBSUN ELECTRONICS INC.  
Humidity:65.0%  
Test Date:2012-06-21 10:03:23  
Instrument:PMS-50SSA\_V1 (SN:1007074)