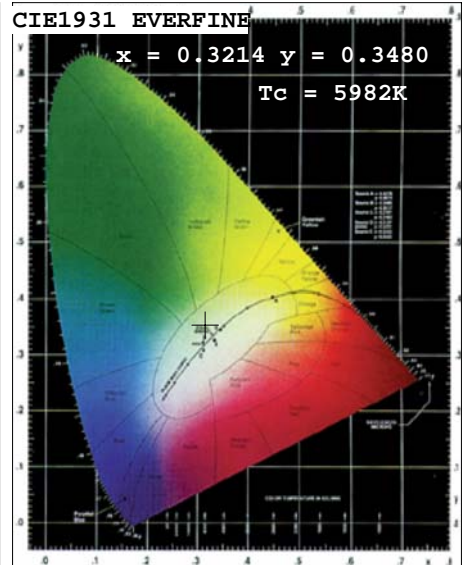
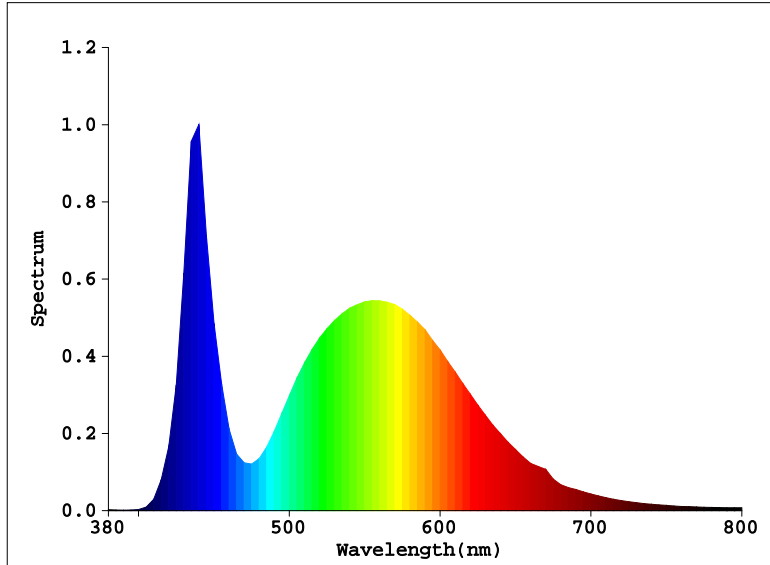


**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3214$   $y=0.3480$   $u'=0.1968$   $v'=0.4794$

$T_c=5982K$  Dominant WL:  $L_d=508.9nm$  Purity: 3.7% Centroid WL: 542.0nm

Ratio: R=13.0% G=83.7% B=3.3% Peak WL:  $L_p=440.0nm$  HWL: 21.7nm

Render Index:  $R_a=69.1$

R1 =65    R2 =72    R3 =79    R4 =71    R5 =69    R6 =66    R7 =76

R8 =55    R9 =-46    R10=36    R11=71    R12=51    R13=65    R14=88    R15=57

**Photo Parameters:**

Flux: 773.89 lm     $F_e=2.3770 W$     Efficacy: 71.47 lm/W

LEVEL: OUT    WHITE: OUT

**Electrical Parameters:**

Luminaire:  $U=218.8V$      $I=0.05221A$      $P=10.83W$      $PF=0.9479$

*Instrument Status:*

Scan Range: 380.0nm-800.0nm    Interval: 5.0nm[0]

$I_p=56565(G=5, D=47)$

REF=12070(R=3)

%=-0.167%

PMT: 22.6 centigrade [23.5]

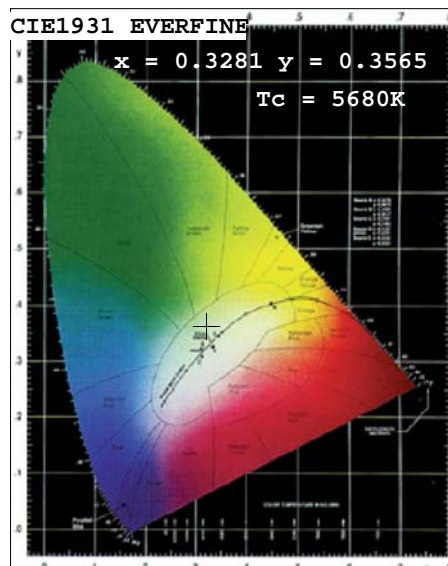
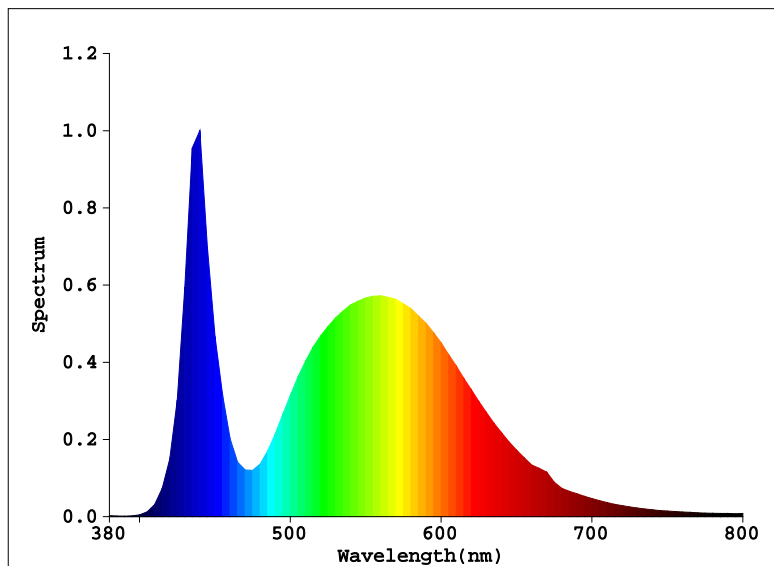
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Product Type: T8-AF60-84  
Number: T8-AF60-84  
Temperature: 25.3 deg  
Test Operator: DAMIN  
Software: V2.00.100

Manufacturer: FOBSUN ELECTRONICS INC.  
Test Department: FOBSUN ELECTRONICS INC.  
Humidity: 65.0%  
Test Date: 2011-11-28 15:28:04  
Instrument: PMS-50SSA\_V1 (SN:1007074)

**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3281$   $y=0.3565$  /  $u'=0.1982$   $v'=0.4845$

Tc=5680K Dominant WL:Ld=541.4nm Purity=5.6% Centroid WL:545.0nm

Ratio:R=13.4% G=83.5% B=3.1% Peak WL:Lp=440.0nm HWL:20.9nm

Render Index:Ra=69.3

R1 =65    R2 =72    R3 =80    R4 =71    R5 =69    R6 =66    R7 =77

R8 =54    R9 =-47    R10=37    R11=71    R12=51    R13=65    R14=89    R15=57

**Photo Parameters:**

Flux: 1749.7 lm    Fe: 5.2904 W    Efficacy:89.09 lm/W

LEVEL:OUT    WHITE:OUT

**Electrical Parameters:**

Luminaire: U=218.4V    I=0.09585A    P=19.64W    PF=0.9381

*Instrument Status:*

Scan Range:380.0nm-800.0nm    Interval:5.0nm[0]

REF=27183(R=3)

%=-0.203%

Ip=39355(G=4,D=43)

PMT: 15.3 centigrade [15.9]

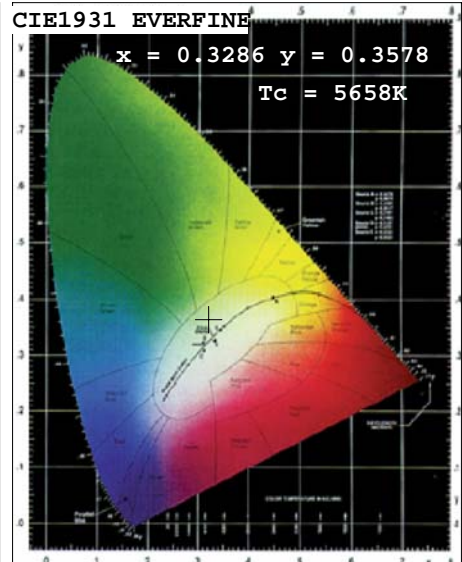
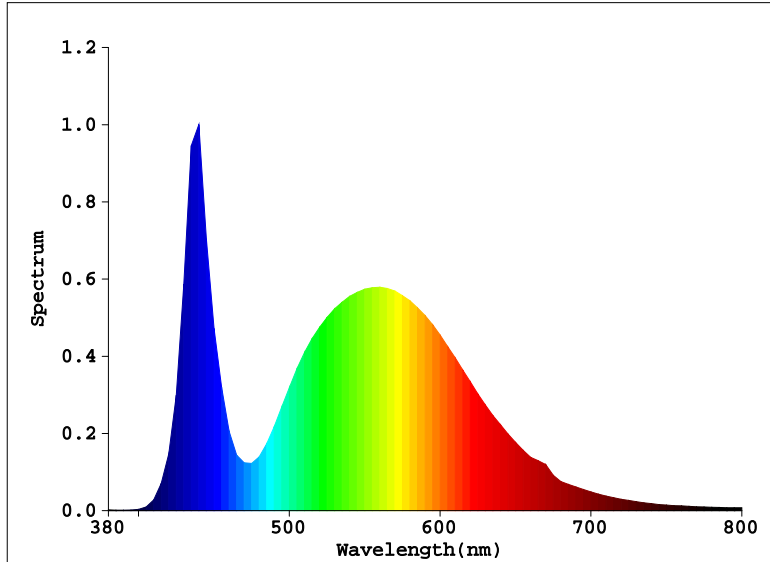
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Product Type:T8-NAC120,19W  
Number:10  
Temperature:25.3 deg  
Test Operator:DAMIN  
Software:V2.00.100

Manufacturer:FOBSUN ELECTRONICS INC.  
Test Department:FOBSUN ELECTRONICS INC.  
Humidity:65.0%  
Test Date:2012-02-28 15:57:18  
Instrument:PMS-50SSA\_V1 (SN:1007074)

**FOBSUN ELECTRONICS INC.**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3286$   $y=0.3578$  /  $u'=0.1981$   $v'=0.4853$

Tc=5658K Dominant WL:Ld=543.8nm Purity=6.1% Centroid WL:545.0nm

Ratio:R=13.4% G=83.5% B=3.1% Peak WL:Lp=440.0nm HWL:20.9nm

Render Index:Ra=69.4

R1 =65 R2 =72 R3 =80 R4 =71 R5 =69 R6 =66 R7 =77

R8 =54 R9 =-46 R10=38 R11=71 R12=51 R13=65 R14=89 R15=57

**Photo Parameters:**

Flux: 1599.9 lm Fe: 4.8285 W Efficacy:82.10 lm/W

LEVEL:OUT WHITE:OUT

**Electrical Parameters:**

Luminaire: U=218.7V I=0.09510A P=19.49W PF=0.9369

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

REF=24864(R=3)

%=-0.210%

Ip=35516(G=4,D=44)

PMT: 15.8 centigrade [16.0]

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Product Type:T8-AF120,19W  
Number:11  
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:2012-02-28 16:18:05  
Instrument:PMS-50SSA\_V1 (SN:1007074)