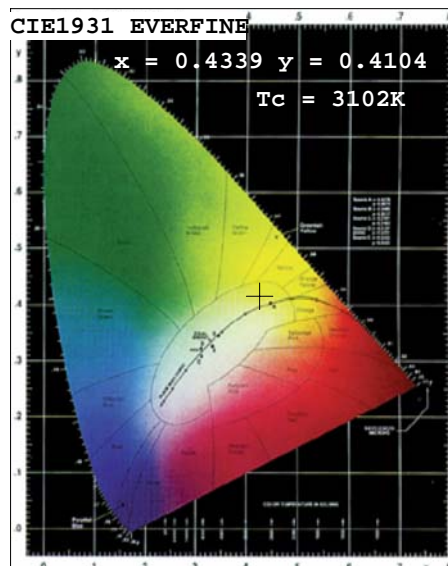
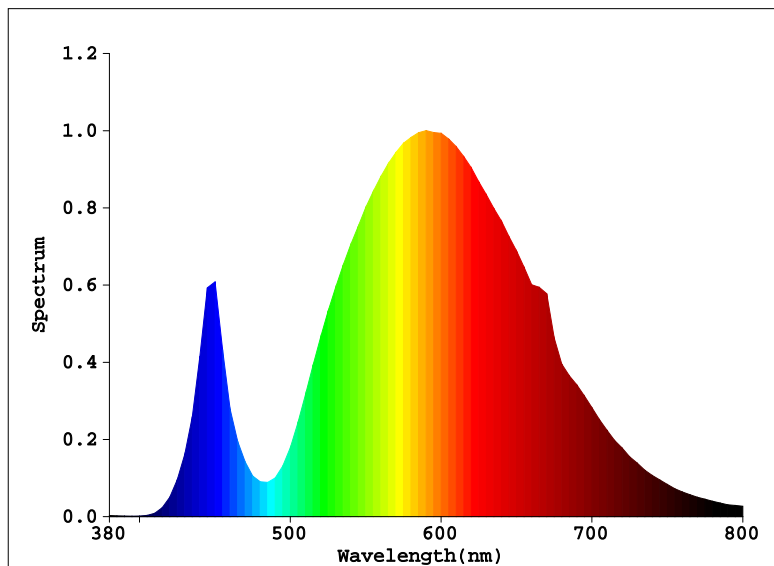


FOBSUN ELECTRONICS INC.

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4339$ $y=0.4104$ $u'=0.2460$ $v'=0.5234$

$T_c=3102K$ Dominant WL: $L_d=581.4nm$ Purity: 53.4% Centroid WL: $592.0nm$

Ratio: $R=22.4\%$ $G=76.3\%$ $B=1.4\%$ Peak WL: $L_p=590.0nm$ HWL: $150.7nm$

Render Index: $R_a=73.7$

$R_1 = 71$ $R_2 = 80$ $R_3 = 86$ $R_4 = 72$ $R_5 = 69$ $R_6 = 69$ $R_7 = 84$

$R_8 = 59$ $R_9 = -1$ $R_{10} = 51$ $R_{11} = 65$ $R_{12} = 40$ $R_{13} = 72$ $R_{14} = 91$ $R_{15} = 68$

Photo Parameters:

Flux: 607.64 lm $F_e = 1.8985$ W Efficacy: 74.32 lm/W

LEVEL: OUT WHITE: ANSI_3000K

Electrical Parameters:

Luminaire: $U=218.7V$ $I=0.04005A$ $P=8.176W$ $PF=0.9333$

Instrument Status:

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

REF: $9634(R=3)$

$\% = -0.252\%$

$I_p = 18435(G=5, D=41)$

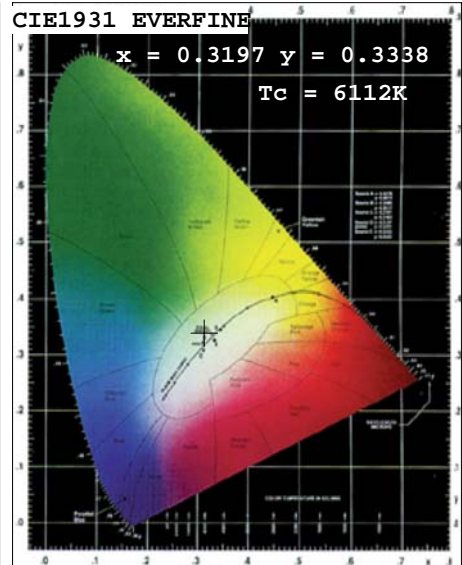
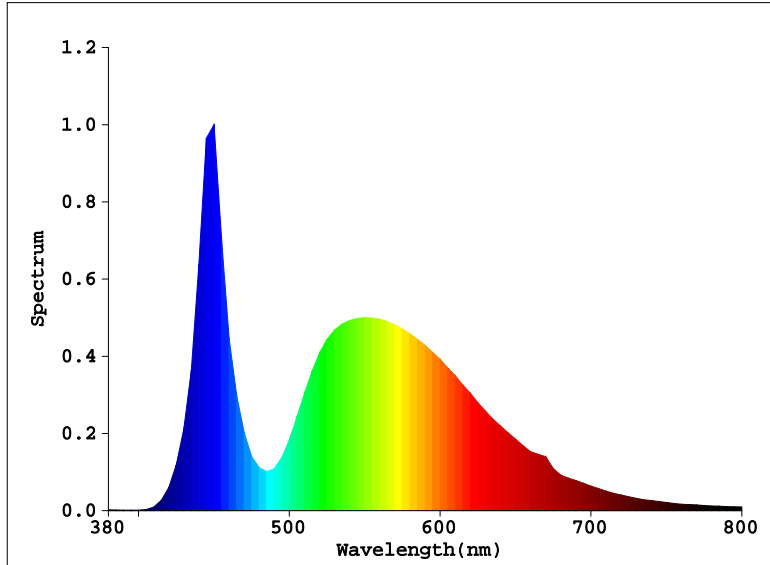
PMT: 18.6 centigrade [19.6]

Product Type: A19-8W-3102K
Number: 3
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 11:01:03
Instrument: PMS-50SSA_V1 (SN:1007074)

FOBSUN ELECTRONICS INC.

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3197$ $y=0.3338$ $u'=0.2009$ $v'=0.4719$

$T_c=6112K$ Dominant WL: $L_d=492.1nm$ Purity: 4.6% Centroid WL: 547.0nm

Ratio: R=14.1% G=82.5% B=3.4% Peak WL: $L_p=450.0nm$ HWL: 21.5nm

Render Index: $R_a=73.5$

R1 =73 R2 =76 R3 =76 R4 =75 R5 =73 R6 =67 R7 =82

R8 =65 R9 =-12 R10=42 R11=73 R12=42 R13=72 R14=87 R15=69

Photo Parameters:

Flux: 682.64 lm $F_e=2.1673 W$ Efficacy: 82.93 lm/W

LEVEL: OUT WHITE: ANSI_6500K

Electrical Parameters:

Luminaire: $U=218.8V$ $I=0.04038A$ $P=8.232W$ PF=0.9319

Instrument Status:

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

$I_p=60012(G=5, D=41)$

REF=10649(R=3)

%=0.218%

PMT: 18.6 centigrade [19.7]

Product Type: A19-8W-6112K
Number: 4
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 11:04:12
Instrument: PMS-50SSA_V1 (SN:1007074)