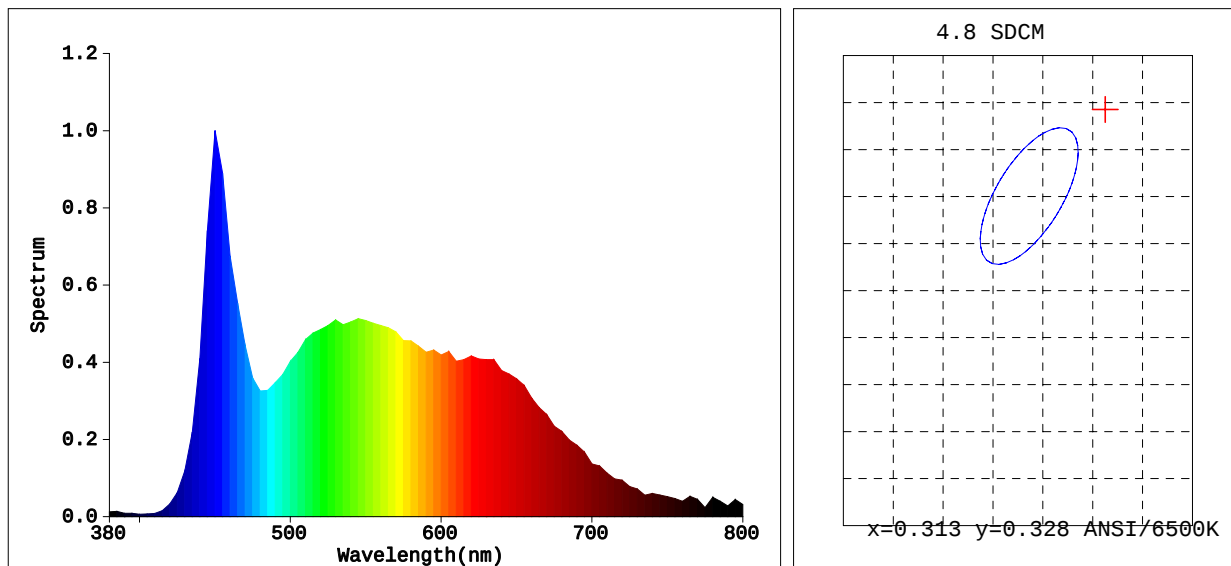


Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3196$ $y=0.3354$

Chromaticity Coordinate: $u'=0.3196$ $v'=0.3354$ ($duv=3.08e-03$)

$T_c=6112K$ Dominant WL: $L_d=493.6nm$ Purity=4.5% Centroid WL: $552.0nm$

Ratio: $R=16.4\%$ $G=78.0\%$ $B=5.6\%$ Peak WL: $L_p=450.0nm$ HWL: $26.1nm$

Render Index: $R_a=93.2$

$R_1=93$ $R_2=95$ $R_3=93$ $R_4=93$ $R_5=92$ $R_6=90$ $R_7=97$

$R_8=92$ $R_9=77$ $R_{10}=86$ $R_{11}=92$ $R_{12}=68$ $R_{13}=94$ $R_{14}=96$ $R_{15}=93$

Photo Parameters:

Flux: $110.67 lm$ $F_e=0.40136 W$ Efficacy: $73.02 lm/W$

Electrical Parameters:

Luminaire: $U=12.00V$ $I=0.1263A$ $P=1.516W$ $PF=1.000$

Instrument Status:

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

REF=2228($R=4$) $\%=0.141\%$

$I_p=1218(G=3, D=55)$

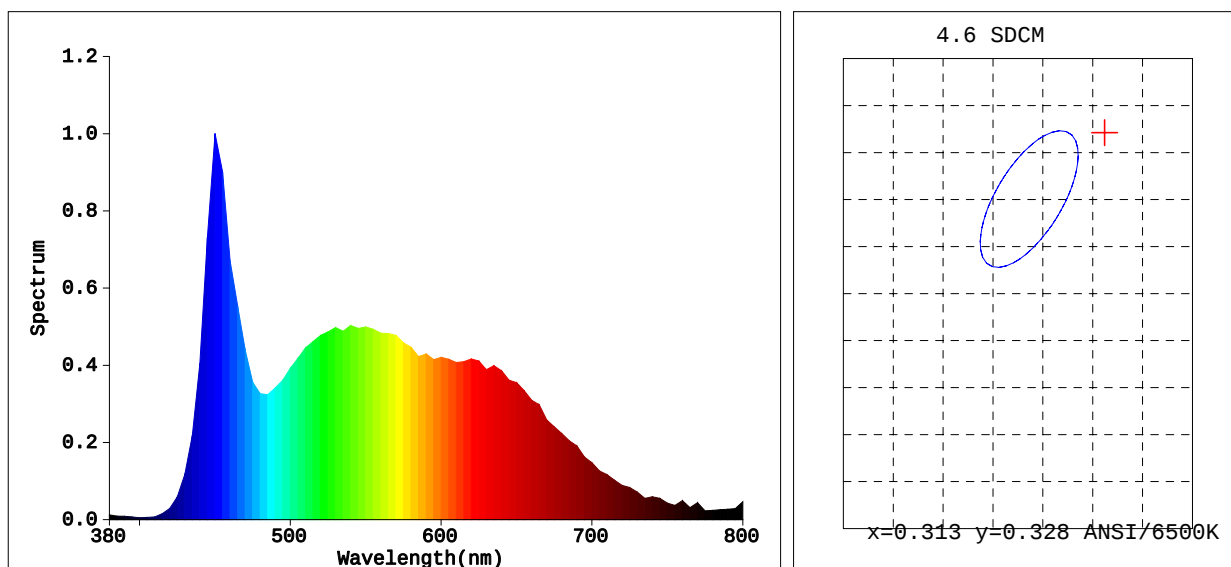
PMT: 27.3 centigrade [25.9]

12V/1.5W

Product Type: PL13A 6500K
Number: 1
Temperature: 25.3 deg
Test Operator: WUCHUAN
Software: V2.00.100

Manufacturer: VST
Test Department: Engineering & QA Dept
Humidity: 65%
Test Date: 2025-07-25 16:15:32
Instrument: PMS-80_V1 (SN: 1007081)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3195$ $y=0.3337$

Chromaticity Coordinate: $u'=0.3195$ $v'=0.3337$ ($duv=2.23e-03$)

$T_c=6124K$ Dominant WL: $L_d=492.0nm$ Purity=4.7% Centroid WL: $552.0nm$

Ratio: $R=16.6\%$ $G=77.8\%$ $B=5.6\%$ Peak WL: $L_p=450.0nm$ HWL: $25.9nm$

Render Index: $R_a=93.7$

$R1=94$ $R2=95$ $R3=93$ $R4=94$ $R5=93$ $R6=90$ $R7=97$

$R8=93$ $R9=80$ $R10=86$ $R11=93$ $R12=68$ $R13=95$ $R14=96$ $R15=94$

Photo Parameters:

Flux: $109.30 lm$ $F_e=0.39758 W$ Efficacy: $72.52 lm/W$

Electrical Parameters:

Luminaire: $U=12.00V$ $I=0.1256A$ $P=1.507W$ $PF=1.000$

Instrument Status:

Scan Range: $380.0nm-800.0nm$ Interval: $5.0nm[0]$
REF=2202(R=4) $\%=0.191\%$

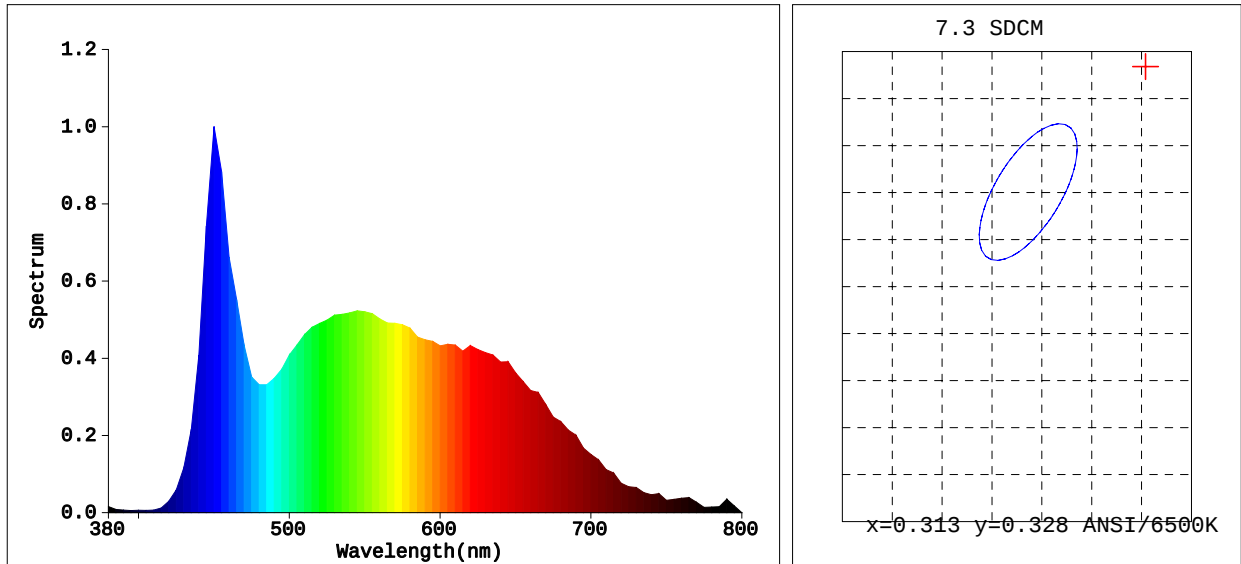
$I_p=1224(G=3, D=55)$
PMT: 27.3 centigrade [25.9]

12V/1.5W

Product Type: PL13A 6500K
Number: 2
Temperature: 25.3 deg
Test Operator: WUCHUAN
Software: V2.00.100

Manufacturer: VST
Test Department: Engineering & QA Dept
Humidity: 65%
Test Date: 2025-07-25 16:17:00
Instrument: PMS-80_V1 (SN:1007081)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3231$ $y=0.3387$

Chromaticity Coordinate: $u'=0.3231$ $v'=0.3387$ ($duv=3.08e-03$)

$T_c=5929K$ Dominant WL: $L_d=498.6nm$ Purity=3.2% Centroid WL: $553.0nm$

Ratio: $R=16.6\%$ $G=78.0\%$ $B=5.4\%$ Peak WL: $L_p=450.0nm$ HWL: $25.8nm$

Render Index: $R_a=92.8$

$R1=93$	$R2=94$	$R3=93$	$R4=93$	$R5=92$	$R6=90$	$R7=96$	
$R8=91$	$R9=74$	$R10=85$	$R11=92$	$R12=68$	$R13=93$	$R14=96$	$R15=92$

Photo Parameters:

Flux: $90.461lm$ $F_e=0.32286W$ Efficacy: $66.89lm/W$

Electrical Parameters:

Luminaire: $U=12.00V$ $I=0.1127A$ $P=1.352W$ $PF=1.000$

Instrument Status:

Scan Range: $380.0nm-800.0nm$ Interval: $5.0nm[0]$
REF=1841(R=4) $\% = 0.173\%$

$I_p=984(G=3, D=56)$
PMT: $27.2\text{ centigrade } [25.8]$

12V/1.5W

Product Type: PL13A 6500K
Number: 3
Temperature: 25.3 deg
Test Operator: WUCHUAN
Software: V2.00.100

Manufacturer: VST
Test Department: Engineering & QA Dept
Humidity: 65%
Test Date: 2025-07-25 16:17:57
Instrument: PMS-80_V1 (SN: 1007081)