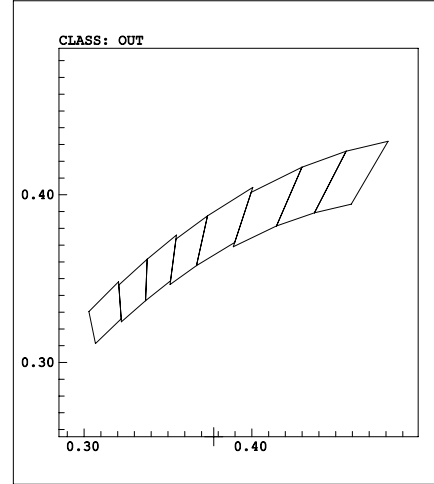
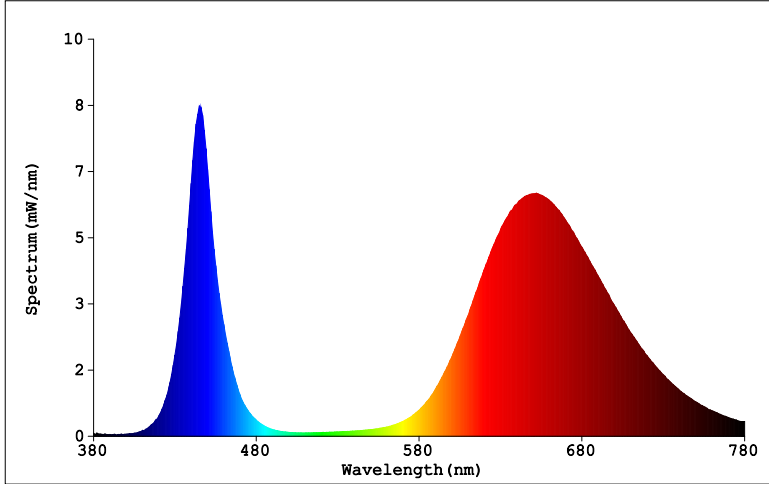


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3773$ $y=0.1612/u'=0.3611$ $v'=0.3471$ $duv=1.288e-001$
 Tc=1446K Dominant WL:Ld=-539.3nm Purity=40.5%
 Ratio:R=66.1% G=27.0% B=7.0% Peak WL:Lp=445.3nm HWL:19.4nm
 Render Index:Ra=5.8 AvgR=-13.8 Kred=53.95%
 R1 =63.8 R2 =3.7 R3 =-51.4 R4 =28.5 R5 =34.3 R6 =-75.9 R7 =-11.8
 R8 =54.8 R9 =57.0 R10=-105.0R11=43.3 R12=-347.7R13=29.1 R14=21.5 R15=48.1

Photo Parameters:

Flux = 78.94 lm Eff. : 28.63 lm/W Fe = 834.6 mW
 Photosynthetic(400-700nm):PPF:3.5533 μ mol/s
 PAR WATT:722.16mW
 Eff(PPF):1.29 μ mol/s/W

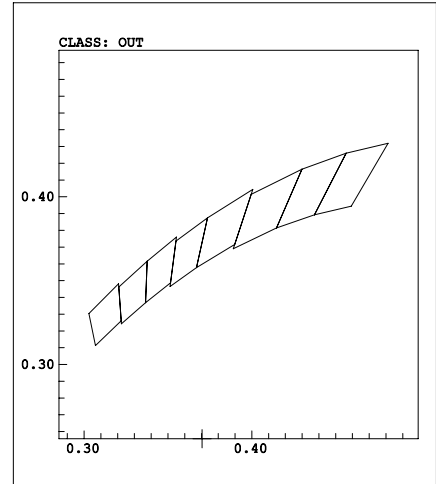
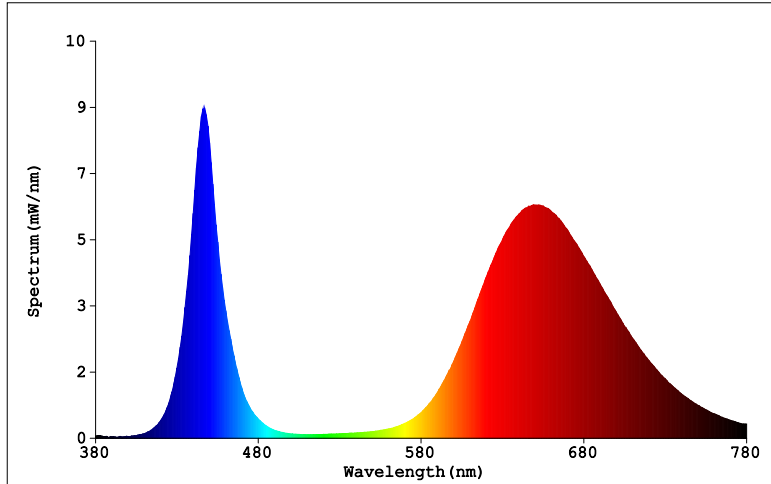
Electrical parameters:

VF = 3.939 V IF = 699.9 mA P = 2757 mW
 LEVEL:**[OUT] WHITE:OUT

Status: T=100.00ms Ip=34403 (52%) [HAAS2000_V1_USB] V2.00.275

Model:1W
 Tester:Angel
 Temperature:25Deg
 Manufactory:MLED
 Assessor:damin
 System:LED300 + HAAS2000_V1_USB

Number:1
 Date:2018-11-01 13-57
 Humidity:60%
 Remarks:1

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3704$ $y=0.1588/u'=0.3557$ $v'=0.3432$ $duv=1.316e-001$
Tc=1491K Dominant WL:Ld=-542.4nm Purity=42.9%
Ratio:R=65.0% G=27.3% B=7.7% Peak WL:Lp=446.7nm HWL:19.8nm
Render Index:Ra=-0.1 AvgR=-22.2 Kred=53.04%
R1 =56.8 R2 =-4.9 R3 =-60.6 R4 =30.5 R5 =24.7 R6 =-89.3 R7 =-15.5
R8 =57.7 R9 =46.9 R10=-122.8R11=45.5 R12=-379.2R13=20.3 R14=17.0 R15=40.1

Photo Parameters:

Flux = 80.12 lm Eff. : 29.94 lm/W Fe = 843.9 mW
Photosynthetic(400-700nm):PPF:3.5904 μ mol/s
PAR WATT:731.98mW
Eff(PPF):1.34 μ mol/s/W

Electrical parameters:

VF = 3.823 V IF = 699.9 mA P = 2676 mW
LEVEL:**[OUT] WHITE:OUT

Status: T=100.00ms Ip=34355 (52%) [HAAS2000_V1_USB] V2.00.275

Model:1W
Tester:Angel
Temperature:25Deg
Manufactory:MLED
Assessor:damin
System:LED300 + HAAS2000_V1_USB

Number:2
Date:2018-11-01 13-58
Humidity:60%
Remarks:1