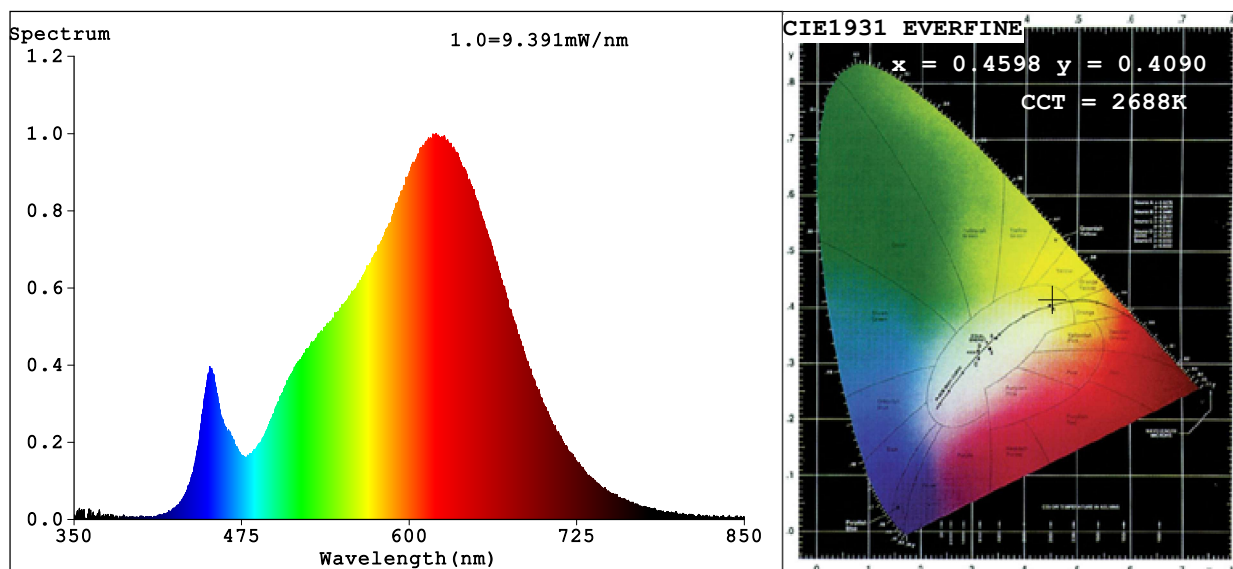


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4598$ $y=0.4090$ $u'=0.2632$ $v'=0.5267$

CCT=2688K (Duv=-0.0006) Dominant WL:Ld =584.5nm Purity=60.8%

Ratio:R=26.6% G=71.1% B=2.3%; Peak WL:Lp=620.1nm FWHM=139.4nm

Render Index:Ra=92.2 CRI=89.5 TM30:Rf=90 Rg=100

R1 =93 R2 =96 R3 =98 R4 =92 R5 =92 R6 =96 R7 =91

R8 =79 R9 =55 R10=91 R11=94 R12=84 R13=94 R14=98 R15=88

Photo Parameters:

Flux = 422.5 lm Eff. : 36.16 lm/W Fe = 1.480 W

Electrical parameters:

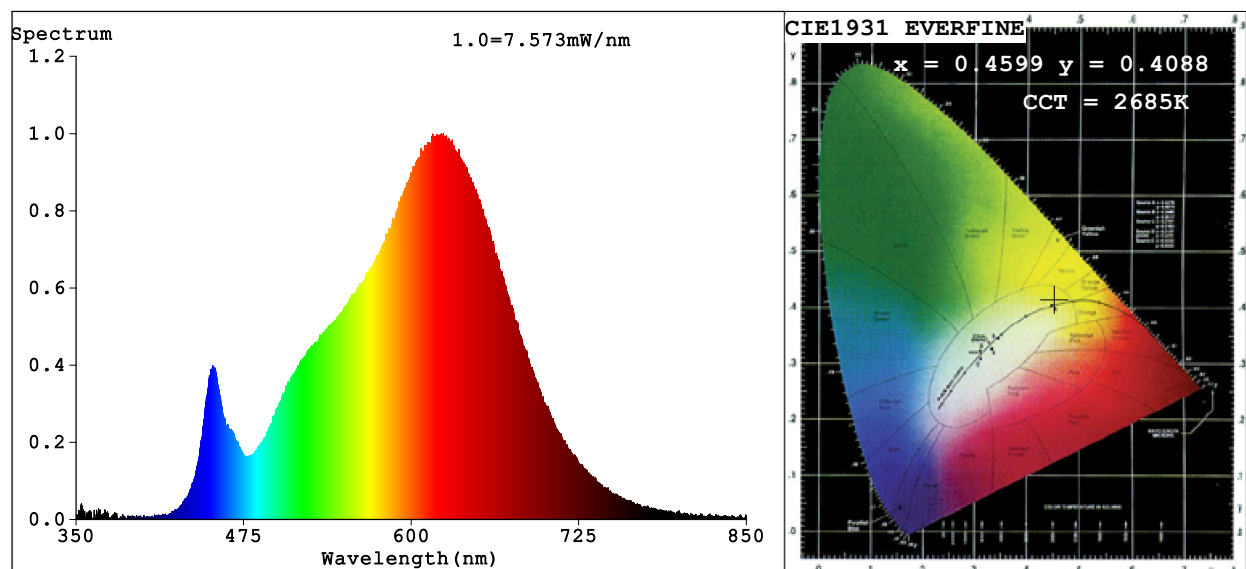
V = 230.08 V I = 0.05337 A P = 11.68 W PF = 0.9515

Status: Integral T = 500 ms Ip = 8202 (13%)

Model:Focalis ZIA 11W
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number:2700k 60°
Date:2026-02-17 10:16:55
Humidity:50%
Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4599$ $y=0.4088$ $u'=0.2634$ $v'=0.5267$
 CCT=2685K (Duv=-0.0007) Dominant WL:Ld =584.5nm Purity=60.8%
 Ratio:R=26.7% G=71.0% B=2.3%; Peak WL:Lp=622.7nm FWHM=140.2nm
 Render Index:Ra=92.5 CRI=89.8 TM30:Rf=90 Rg=100
 R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
 R8 =79 R9 =56 R10=91 R11=94 R12=84 R13=94 R14=98 R15=88

Photo Parameters:

Flux = 338.8 lm Eff. : 38.18 lm/W Fe = 1.189 W

Electrical parameters:

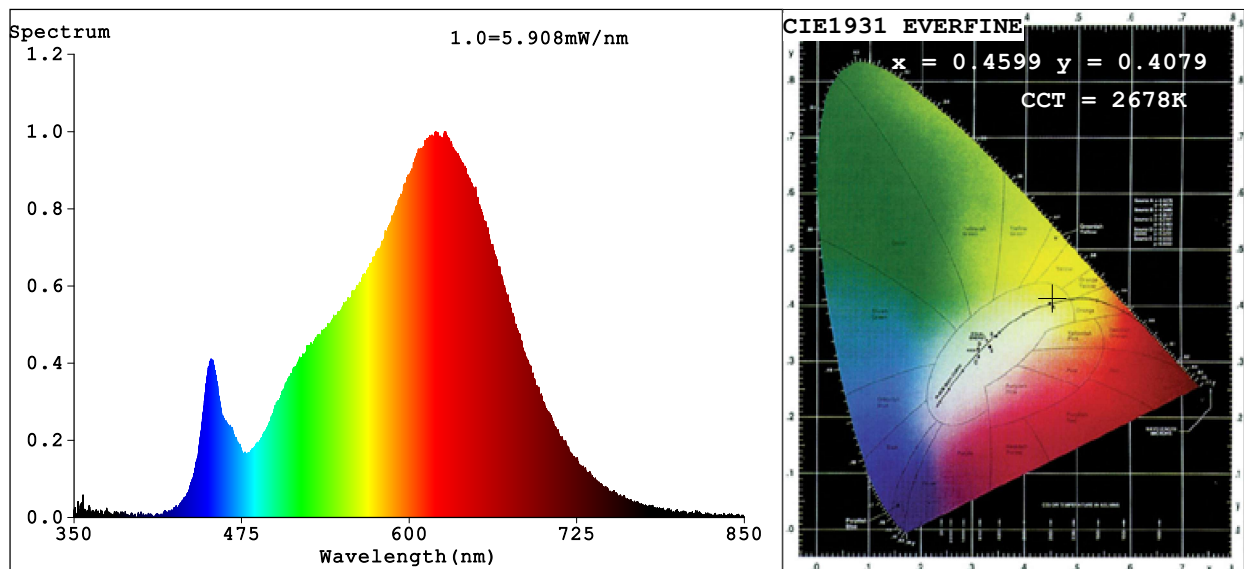
V = 230.08 V I = 0.04143 A P = 8.875 W PF = 0.9311

Status: Integral T = 500 ms Ip = 6614 (10%)

Model:Focalis ZIA 9W
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:2700k 60°
 Date:2026-02-17 10:17:22
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4599$ $y=0.4079$ $u'=0.2637$ $v'=0.5263$
 $CCT=2678K$ ($Duv=-0.0010$) Dominant WL: $Ld = 584.7nm$ Purity=60.5%
 Ratio: R=26.8% G=70.9% B=2.4%; Peak WL: $Lp=619.7nm$ FWHM=139.4nm
 Render Index: $Ra=92.8$ CRI=90.2 TM30: $Rf=90$ $Rg=100$
 R1 =93 R2 =97 R3 =99 R4 =93 R5 =93 R6 =97 R7 =91
 R8 =80 R9 =57 R10=92 R11=94 R12=84 R13=95 R14=99 R15=89

Photo Parameters:

Flux = 263.1 lm Eff. : 39.43 lm/W Fe = 925.8 mW

Electrical parameters:

V = 230.09 V I = 0.03296 A P = 6.673 W PF = 0.8799

Status: Integral T = 500 ms Ip = 5156 (8%)

Model:Focalis ZIA 7W
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:2700k 60°
 Date:2026-02-17 10:17:53
 Humidity:50%
 Remarks:1 unidad