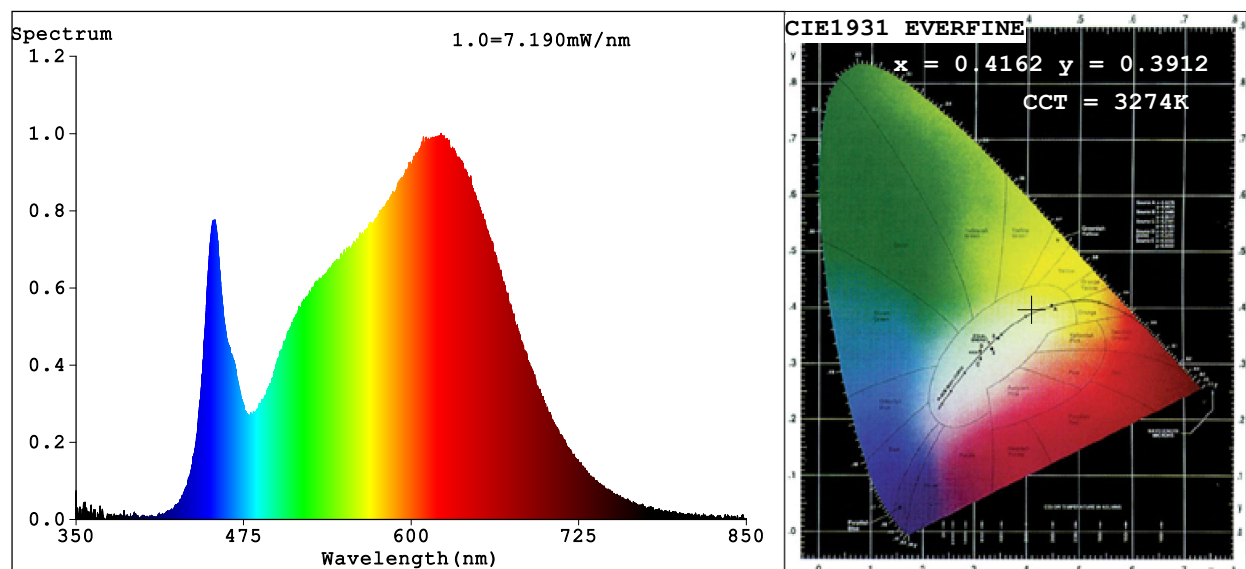


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4162$ $y=0.3912$ $u'=0.2426$ $v'=0.5131$
CCT=3274K (Duv=-0.0020) Dominant WL:Ld =582.5nm Purity=42.3%
Ratio:R=23.0% G=73.7% B=3.3%; Peak WL:Lp=622.3nm FWHM=169.2nm
Render Index:Ra=93.7 CRI=90.9 TM30:Rf=91 Rg=100
R1 =95 R2 =97 R3 =97 R4 =94 R5 =94 R6 =95 R7 =93
R8 =85 R9 =66 R10=92 R11=94 R12=77 R13=96 R14=98 R15=92

Photo Parameters:

Flux = 375.1 lm Eff. : 34.72 lm/W Fe = 1.296 W

Electrical parameters:

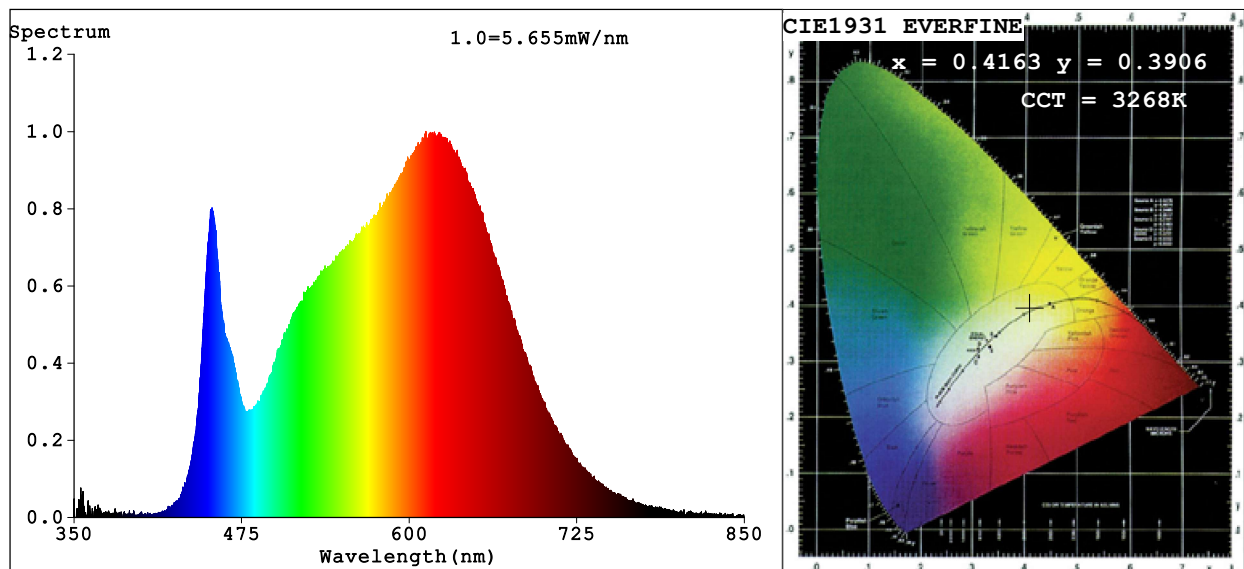
V = 230.09 V I = 0.04953 A P = 10.80 W PF = 0.9479

Status: Integral T = 500 ms Ip = 6452 (10%)

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

Number:3200k 20°
Date:2026-02-17 10:06:33
Humidity:50%
Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4163$ $y=0.3906$ $u'=0.2429$ $v'=0.5129$
 CCT=3268K (Duv=-0.0023) Dominant WL:Ld =582.7nm Purity=42.2%
 Ratio:R=23.1% G=73.6% B=3.3%; Peak WL:Lp=612.5nm FWHM=168.5nm
 Render Index:Ra=94.0 CRI=91.2 TM30:Rf=91 Rg=101
 R1 =95 R2 =98 R3 =97 R4 =94 R5 =94 R6 =95 R7 =93
 R8 =85 R9 =67 R10=92 R11=94 R12=77 R13=96 R14=98 R15=92

Photo Parameters:

Flux = 294.3 lm Eff. : 35.46 lm/W Fe = 1.021 W

Electrical parameters:

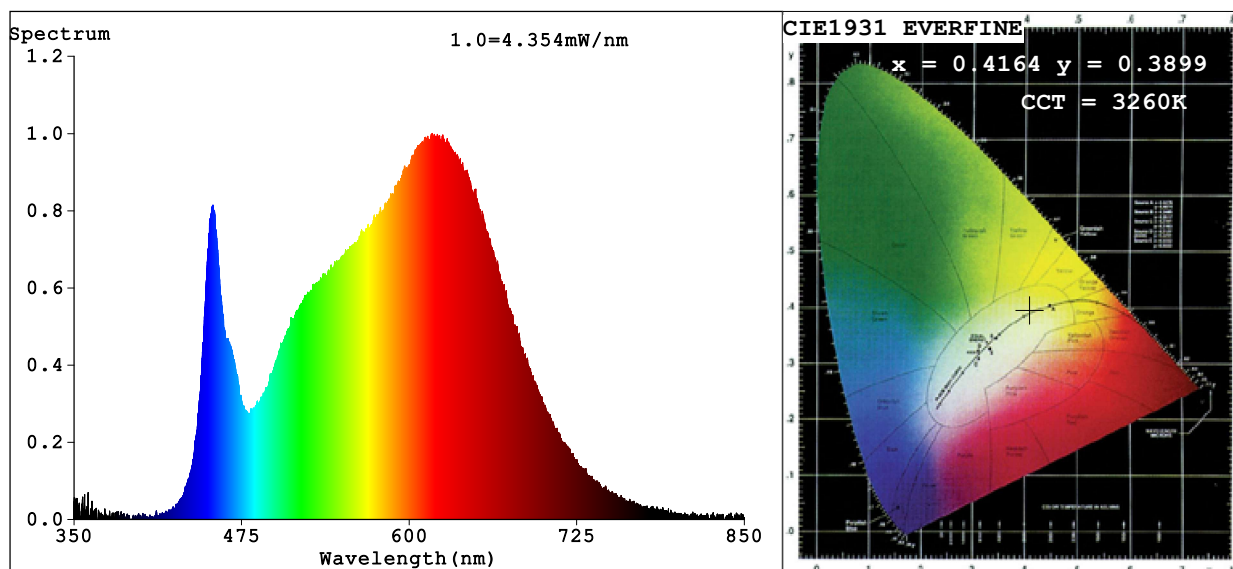
V = 230.08 V I = 0.03904 A P = 8.301 W PF = 0.9242

Status: Integral T = 500 ms Ip = 5038 (8%)

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

Number:3200k 20°
 Date:2026-02-17 10:07:07
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4164$ $y=0.3899$ $u'=0.2433$ $v'=0.5126$

CCT=3260K (Duv=-0.0026) Dominant WL:Ld =582.8nm Purity=42.0%

Ratio:R=23.2% G=73.4% B=3.4%; Peak WL:Lp=617.1nm FWHM=168.0nm

Render Index:Ra=94.2 CRI=91.6 TM30:Rf=90 Rg=101

R1 =95 R2 =98 R3 =98 R4 =94 R5 =95 R6 =95 R7 =93

R8 =86 R9 =68 R10=94 R11=94 R12=77 R13=97 R14=98 R15=93

Photo Parameters:

Flux = 225.4 lm Eff. : 35.37 lm/W Fe = 784.5 mW

Electrical parameters:

V = 230.09 V I = 0.03202 A P = 6.372 W PF = 0.8649

Status: Integral T = 500 ms Ip = 3858 (6%)

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

Number:3200k 20°
Date:2026-02-17 10:07:41
Humidity:50%
Remarks:1 unidad