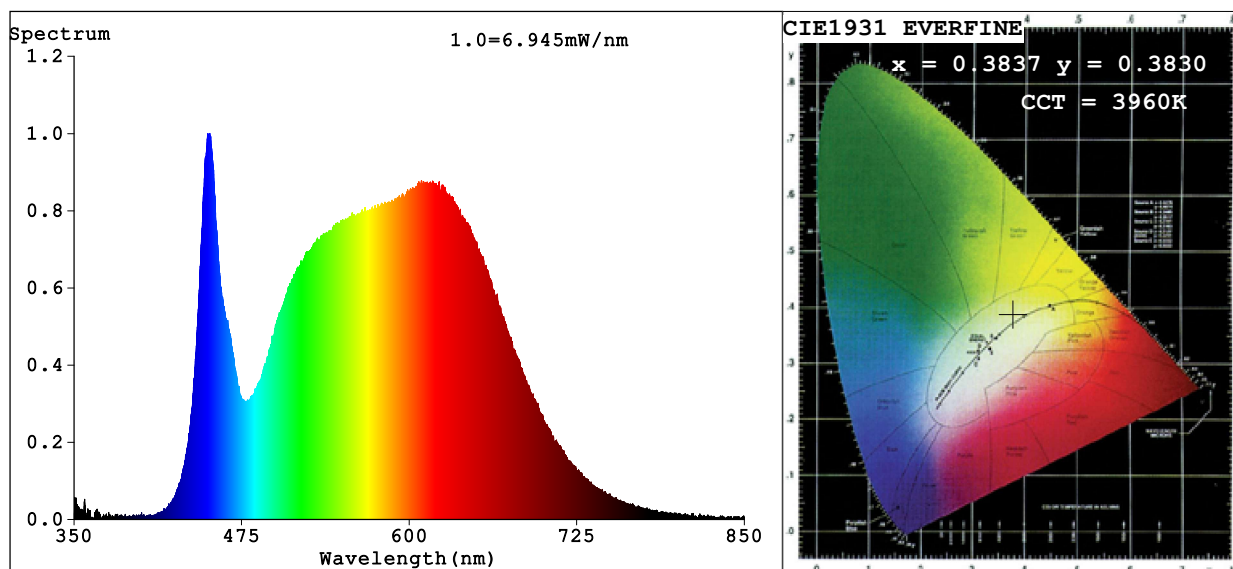


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3837$ $y=0.3830$ $u'=0.2248$ $v'=0.5048$

CCT=3960K (Duv=0.0020) Dominant WL:Ld =578.2nm Purity=30.1%

Ratio:R=19.6% G=76.6% B=3.8%; Peak WL:Lp=451.2nm FWHM=22.7nm

Render Index:Ra=91.5 CRI=87.5 TM30:Rf=90 Rg=99

R1 =92 R2 =93 R3 =94 R4 =92 R5 =90 R6 =90 R7 =95

R8 =86 R9 =62 R10=83 R11=92 R12=68 R13=92 R14=96 R15=89

Photo Parameters:

Flux = 376.3 lm Eff. : 31.86 lm/W Fe = 1.268 W

Electrical parameters:

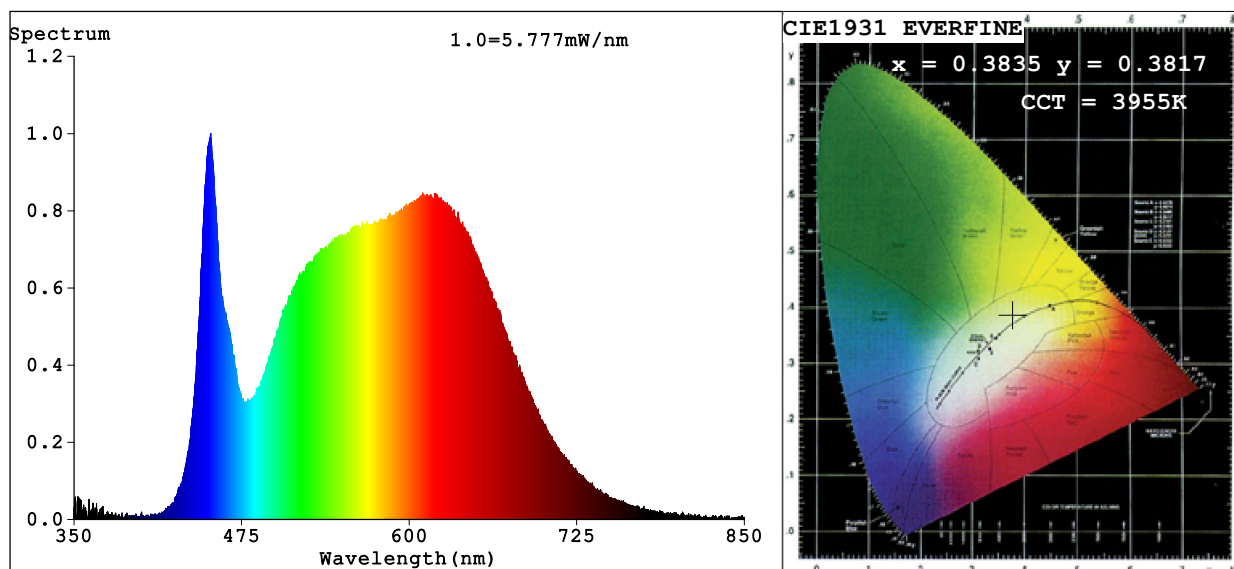
V = 230.12 V I = 0.05392 A P = 11.81 W PF = 0.9518

Status: Integral T = 500 ms Ip = 5568 (8%)

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

Number:4000k 20°
Date:2026-02-17 09:44:56
Humidity:50%
Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3817$ $u'=0.2251$ $v'=0.5042$

CCT=3955K (Duv=0.0014) Dominant WL:Ld =578.5nm Purity=29.7%

Ratio:R=19.7% G=76.4% B=3.9%; Peak WL:Lp=451.9nm FWHM=21.9nm

Render Index:Ra=91.9 CRI=88.1 TM30:Rf=90 Rg=99

R1 =92 R2 =94 R3 =94 R4 =92 R5 =91 R6 =91 R7 =95

R8 =86 R9 =64 R10=85 R11=92 R12=68 R13=93 R14=96 R15=90

Photo Parameters:

Flux = 299.0 lm Eff. : 33.47 lm/W Fe = 1.011 W

Electrical parameters:

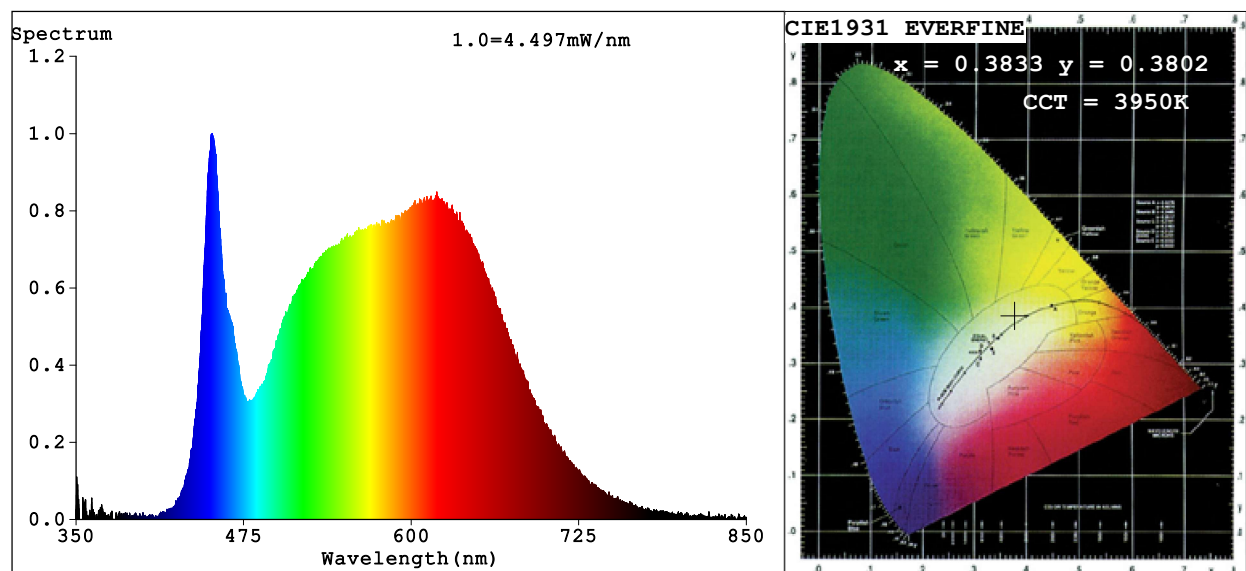
V = 230.08 V I = 0.04169 A P = 8.933 W PF = 0.9313

Status: Integral T = 500 ms Ip = 4450 (7%)

Model:Focalis ZIA 8W
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number:4000k 20°
Date:2026-02-17 09:48:27
Humidity:50%
Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3833$ $y=0.3802$ $u'=0.2256$ $v'=0.5035$

CCT=3950K (Duv=0.0008) Dominant WL:Ld =578.8nm Purity=29.1%

Ratio:R=19.8% G=76.2% B=3.9%; Peak WL:Lp=451.6nm FWHM=23.4nm

Render Index:Ra=92.4 CRI=88.7 TM30:Rf=90 Rg=99

R1 =93 R2 =95 R3 =95 R4 =92 R5 =91 R6 =91 R7 =95

R8 =87 R9 =66 R10=86 R11=92 R12=68 R13=93 R14=97 R15=91

Photo Parameters:

Flux = 229.6 lm Eff. : 34.24 lm/W Fe = 780.5 mW

Electrical parameters:

V = 230.10 V I = 0.03311 A P = 6.704 W PF = 0.8798

Status: Integral T = 500 ms Ip = 3431 (5%)

Model:Focalis ZIA 8W
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number:4000k 20°
Date:2026-02-17 09:53:09
Humidity:50%
Remarks:1 unidad