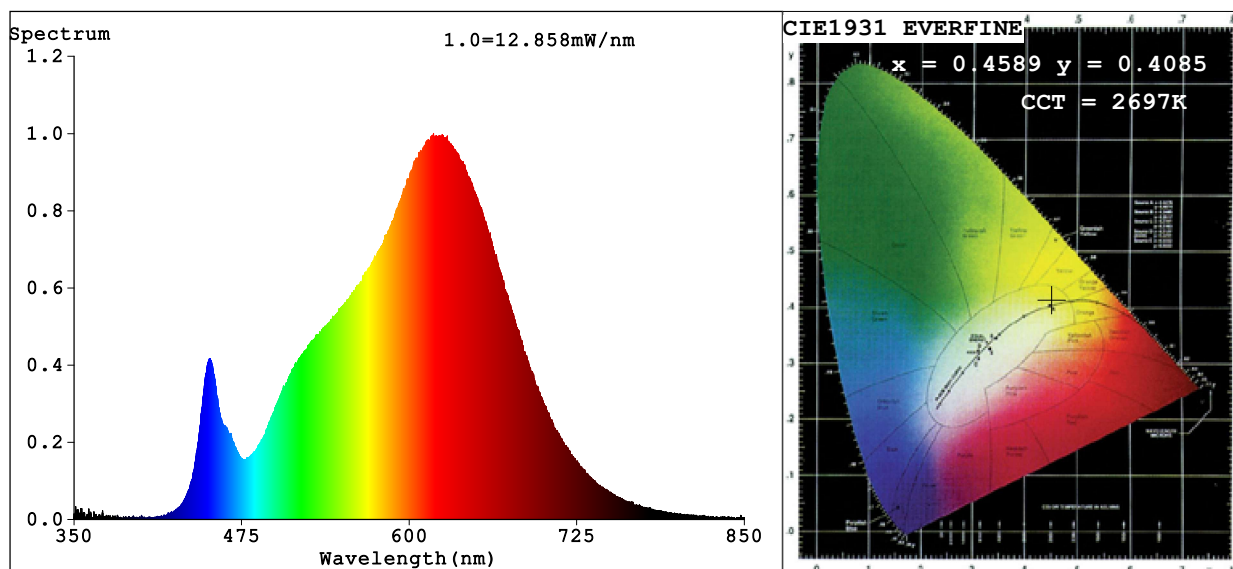


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4589$ $y=0.4085$ $u'=0.2628$ $v'=0.5264$
 CCT=2697K (Duv=-0.0007) Dominant WL:Ld =584.5nm Purity=60.4%
 Ratio:R=26.7% G=71.0% B=2.3%; Peak WL:Lp=618.1nm FWHM=142.1nm
 Render Index:Ra=93.0 CRI=90.3 TM30:Rf=90 Rg=101
 R1 =94 R2 =97 R3 =98 R4 =94 R5 =93 R6 =96 R7 =91
 R8 =81 R9 =58 R10=91 R11=95 R12=84 R13=94 R14=98 R15=89

Photo Parameters:

Flux = 577.3 lm Eff. : 66.90 lm/W Fe = 2.030 W

Electrical parameters:

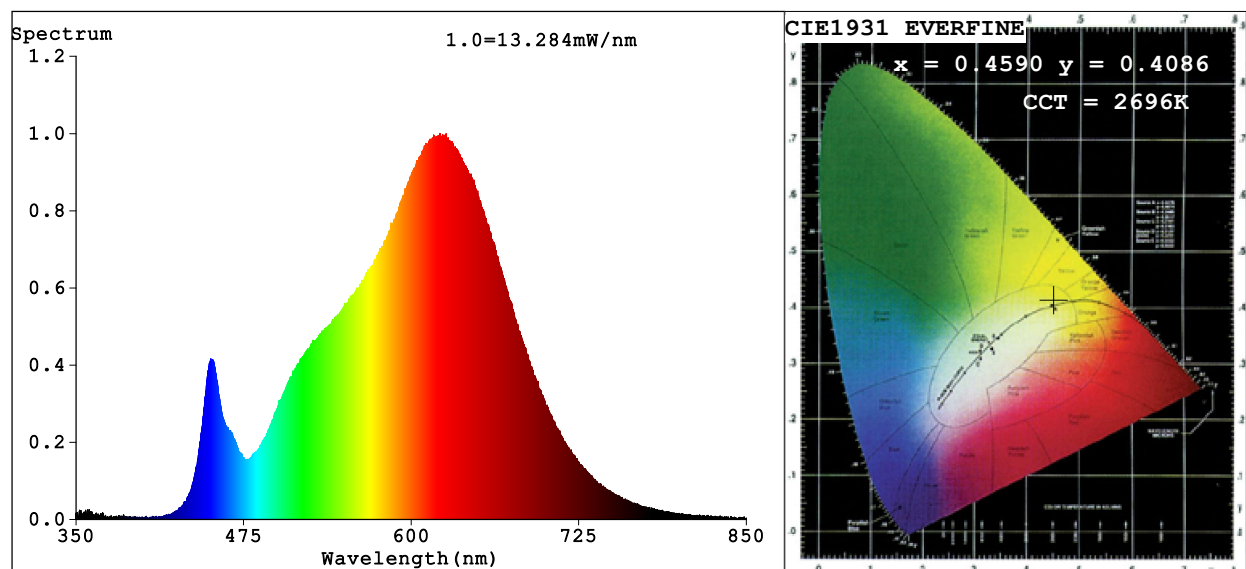
V = 230.11 V I = 0.07923 A P = 8.629 W PF = 0.4733

Status: Integral T = 500 ms Ip = 11194 (17%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:18° 8w 2700k
 Date:2026-02-12 14:34:11
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4590$ $y=0.4086$ $u'=0.2629$ $v'=0.5264$
 CCT=2696K (Duv=-0.0007) Dominant WL:Ld =584.4nm Purity=60.4%
 Ratio:R=26.6% G=71.1% B=2.3%; Peak WL:Lp=621.4nm FWHM=141.5nm
 Render Index:Ra=92.7 CRI=90.0 TM30:Rf=90 Rg=100
 R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
 R8 =80 R9 =57 R10=91 R11=95 R12=84 R13=94 R14=98 R15=89

Photo Parameters:

Flux = 597.1 lm Eff. : 69.33 lm/W Fe = 2.097 W

Electrical parameters:

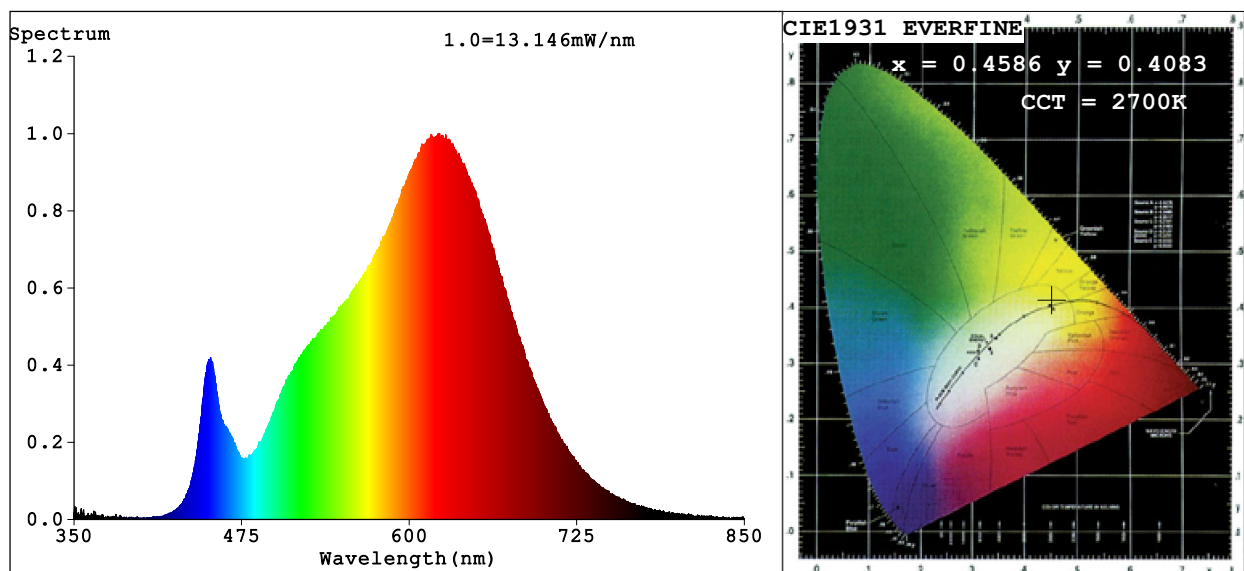
V = 230.12 V I = 0.07935 A P = 8.614 W PF = 0.4717

Status: Integral T = 500 ms Ip = 11586 (18%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:24° 8w 2700k
 Date:2026-02-12 14:34:51
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4586$ $y=0.4083$ $u'=0.2627$ $v'=0.5263$

$CCT=2700K$ ($Duv=-0.0008$) Dominant WL: $Ld = 584.5nm$ Purity=60.2%

Ratio: R=26.6% G=71.1% B=2.3%; Peak WL: $Lp=622.7nm$ FWHM=143.3nm

Render Index: $Ra=92.7$ CRI=90.0 TM30: $Rf=90$ $Rg=100$

R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91

R8 =80 R9 =57 R10=91 R11=95 R12=84 R13=94 R14=98 R15=89

Photo Parameters:

Flux = 593.0 lm Eff. : 68.87 lm/W $Fe = 2.080 W$

Electrical parameters:

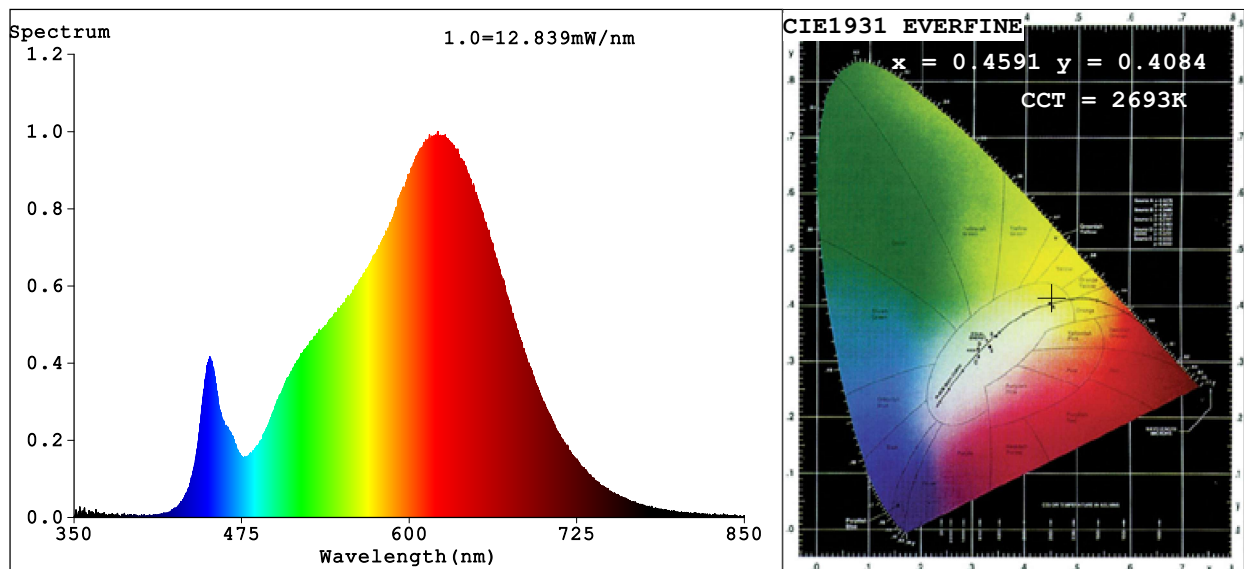
$V = 230.10 V$ $I = 0.07949 A$ $P = 8.611 W$ PF = 0.4708

Status: Integral T = 500 ms $I_p = 11541 (18\%)$

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:36° 8w 2700k
 Date:2026-02-12 14:35:17
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4591$ $y=0.4084$ $u'=0.2630$ $v'=0.5264$
CCT=2693K (Duv=-0.0008) Dominant WL:Ld =584.5nm Purity=60.4%
Ratio:R=26.6% G=71.1% B=2.3%; Peak WL:Lp=621.4nm FWHM=141.4nm
Render Index:Ra=92.7 CRI=90.0 TM30:Rf=90 Rg=101
R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
R8 =80 R9 =57 R10=91 R11=95 R12=84 R13=94 R14=98 R15=89

Photo Parameters:

Flux = 576.1 lm Eff. : 66.99 lm/W Fe = 2.021 W

Electrical parameters:

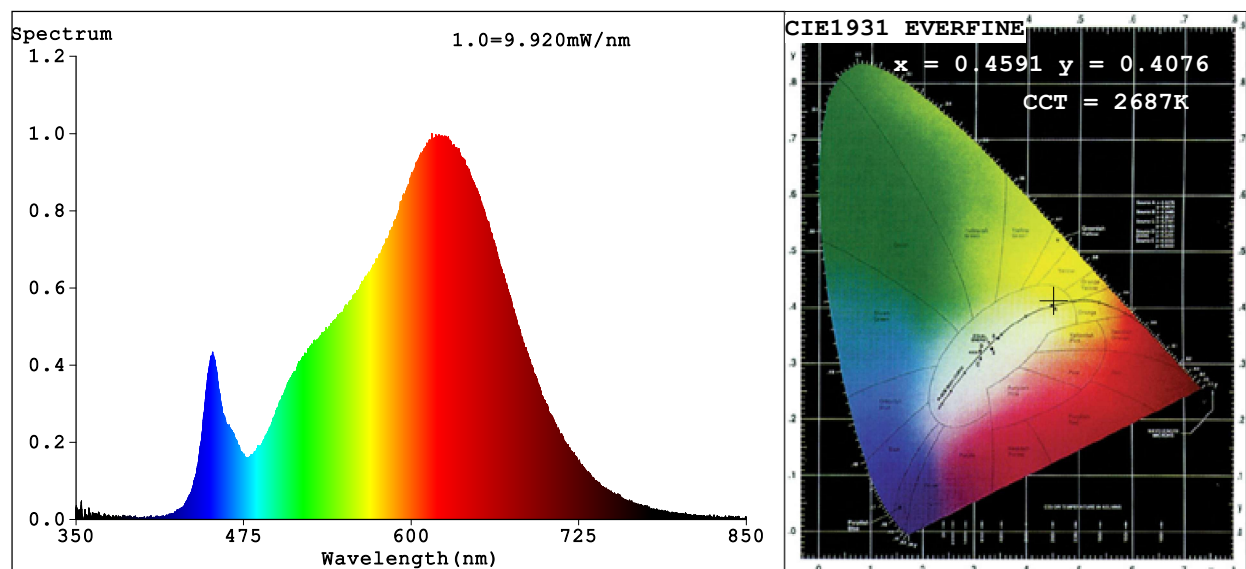
V = 230.09 V I = 0.07973 A P = 8.600 W PF = 0.4688

Status: Integral T = 500 ms Ip = 11202 (17%)

Model:Focalis Vex 4-6-8w
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number:45° 8w 2700k
Date:2026-02-12 14:35:46
Humidity:50%
Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4591$ $y=0.4076$ $u'=0.2634$ $v'=0.5261$

$CCT=2687K$ ($Duv=-0.0011$) Dominant WL: $Ld = 584.6nm$ Purity=60.2%

Ratio: $R=26.8\%$ $G=70.9\%$ $B=2.4\%$; Peak WL: $Lp=615.4nm$ FWHM=141.6nm

Render Index: $Ra=93.2$ CRI=90.6 TM30: $Rf=90$ $Rg=101$

$R1 = 94$ $R2 = 97$ $R3 = 98$ $R4 = 94$ $R5 = 94$ $R6 = 97$ $R7 = 91$

$R8 = 81$ $R9 = 59$ $R10=92$ $R11=95$ $R12=84$ $R13=95$ $R14=98$ $R15=89$

Photo Parameters:

Flux = 443.2 lm Eff. : 69.55 lm/W $Fe = 1.565 W$

Electrical parameters:

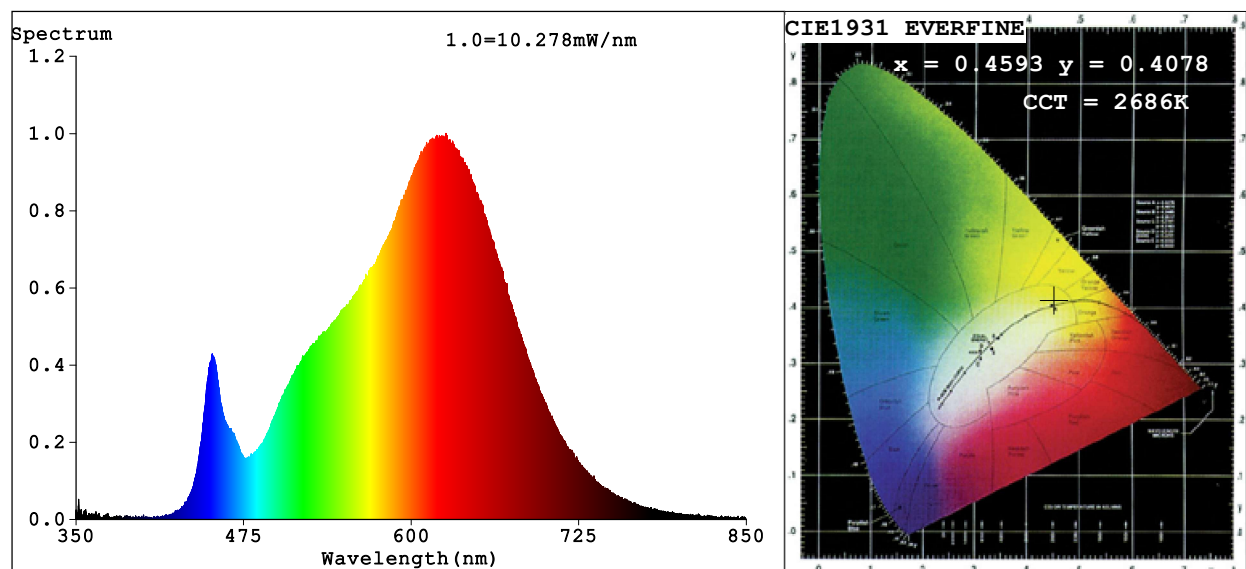
$V = 230.09 V$ $I = 0.06330 A$ $P = 6.373 W$ PF = 0.4376

Status: Integral $T = 500 ms$ $Ip = 8700 (13\%)$

Model: Focalis Vex 4-6-8w
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 18° 6w 2700k
 Date: 2026-02-12 14:36:18
 Humidity: 50%
 Remarks: 1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4593$ $y=0.4078$ $u'=0.2634$ $v'=0.5262$
 CCT=2686K (Duv=-0.0010) Dominant WL:Ld =584.6nm Purity=60.3%
 Ratio:R=26.7% G=70.9% B=2.3%; Peak WL:Lp=625.9nm FWHM=139.4nm
 Render Index:Ra=93.0 CRI=90.4 TM30:Rf=90 Rg=101
 R1 =94 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
 R8 =81 R9 =58 R10=92 R11=95 R12=84 R13=95 R14=98 R15=89

Photo Parameters:

Flux = 458.5 lm Eff. : 72.01 lm/W Fe = 1.615 W

Electrical parameters:

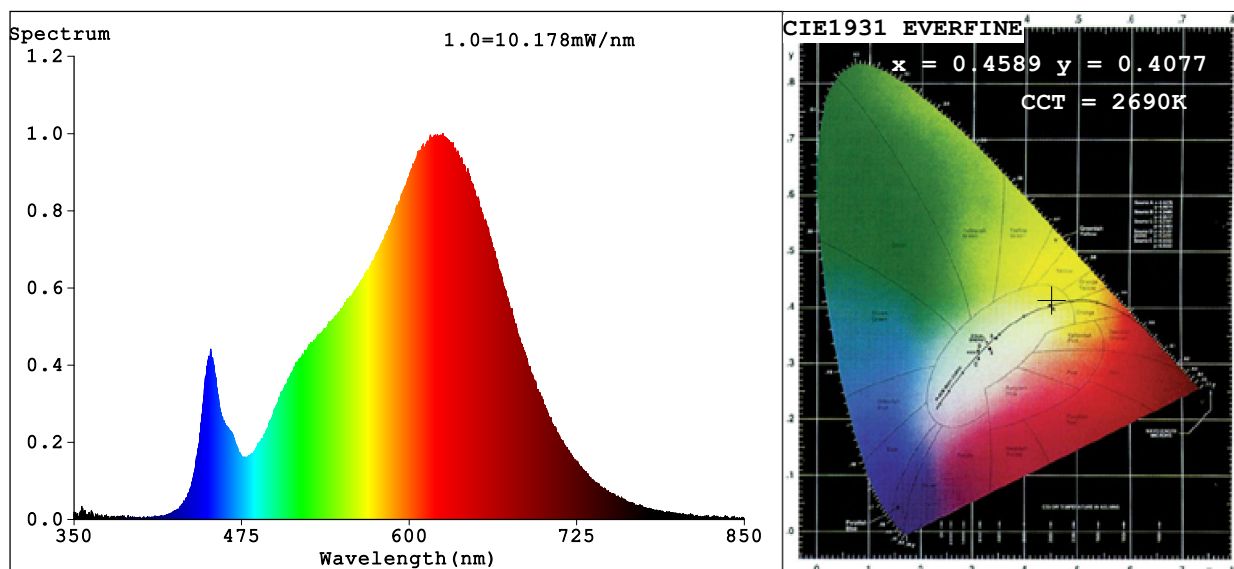
V = 230.11 V I = 0.06342 A P = 6.368 W PF = 0.4363

Status: Integral T = 500 ms Ip = 8995 (14%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:24° 6w 2700k
 Date:2026-02-12 14:37:08
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4589$ $y=0.4077$ $u'=0.2632$ $v'=0.5261$
 CCT=2690K (Duv=-0.0010) Dominant WL:Ld =584.6nm Purity=60.1%
 Ratio:R=26.7% G=71.0% B=2.4%; Peak WL:Lp=625.0nm FWHM=140.5nm
 Render Index:Ra=92.9 CRI=90.3 TM30:Rf=90 Rg=100
 R1 =94 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
 R8 =81 R9 =58 R10=92 R11=95 R12=84 R13=95 R14=98 R15=89

Photo Parameters:

Flux = 456.1 lm Eff. : 71.67 lm/W Fe = 1.605 W

Electrical parameters:

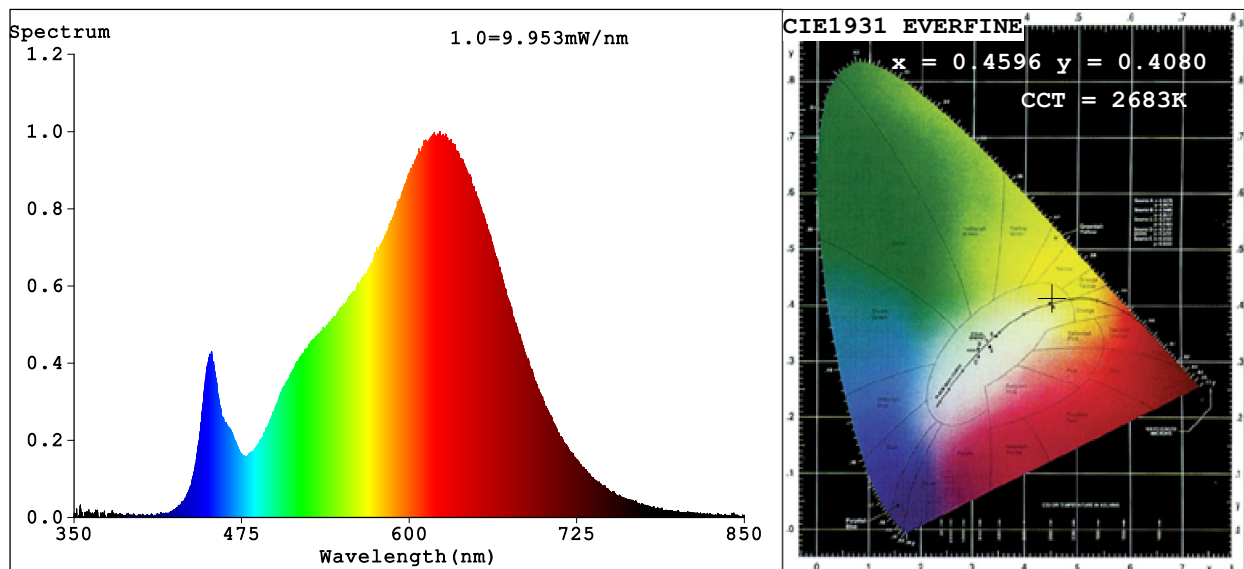
V = 230.09 V I = 0.06346 A P = 6.365 W PF = 0.4359

Status: Integral T = 500 ms Ip = 8892 (14%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:36° 6w 2700k
 Date:2026-02-12 14:37:37
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4596$ $y=0.4080$ $u'=0.2635$ $v'=0.5263$
 CCT=2683K (Duv=-0.0010) Dominant WL:Ld =584.6nm Purity=60.4%
 Ratio:R=26.8% G=70.9% B=2.3%; Peak WL:Lp=623.0nm FWHM=139.2nm
 Render Index:Ra=92.9 CRI=90.3 TM30:Rf=90 Rg=100
 R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =91
 R8 =81 R9 =58 R10=92 R11=95 R12=84 R13=95 R14=98 R15=89

Photo Parameters:

Flux = 443.8 lm Eff. : 69.84 lm/W Fe = 1.562 W

Electrical parameters:

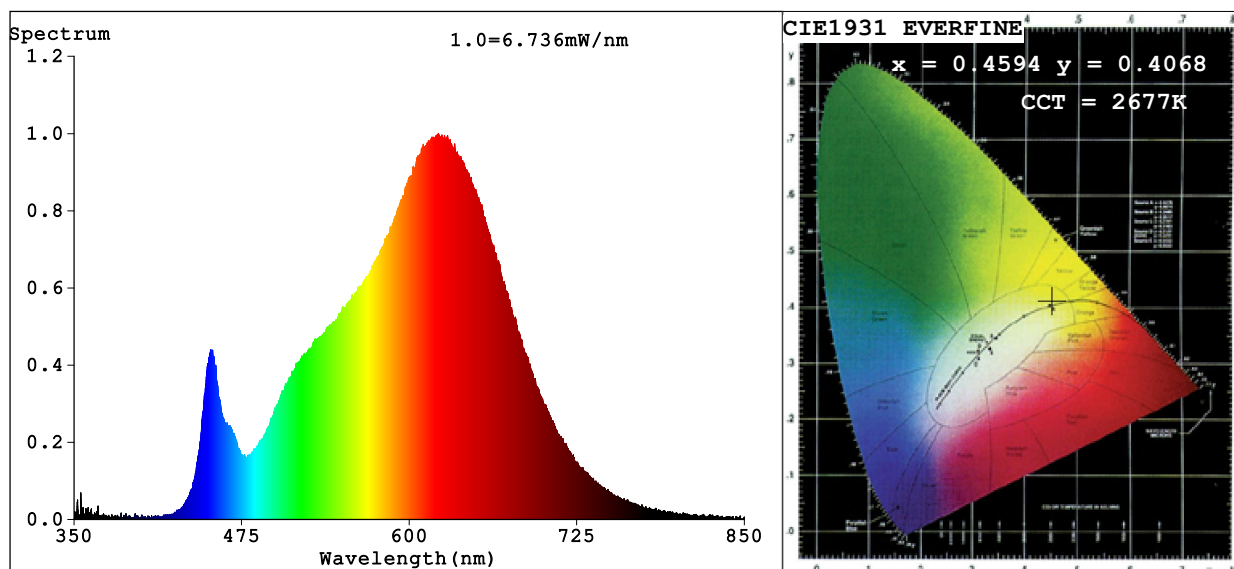
V = 230.09 V I = 0.06354 A P = 6.355 W PF = 0.4347

Status: Integral T = 500 ms Ip = 8692 (13%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:45° 6w 2700k
 Date:2026-02-12 14:38:11
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4594$ $y=0.4068$ $u'=0.2639$ $v'=0.5258$
 CCT=2677K (Duv=-0.0014) Dominant WL:Ld =584.8nm Purity=60.0%
 Ratio:R=26.9% G=70.7% B=2.4%; Peak WL:Lp=621.7nm FWHM=140.2nm
 Render Index:Ra=93.4 CRI=91.0 TM30:Rf=91 Rg=101
 R1 =94 R2 =97 R3 =99 R4 =94 R5 =94 R6 =97 R7 =91
 R8 =81 R9 =60 R10=93 R11=95 R12=84 R13=95 R14=99 R15=90

Photo Parameters:

Flux = 298.3 lm Eff. : 69.00 lm/W Fe = 1.057 W

Electrical parameters:

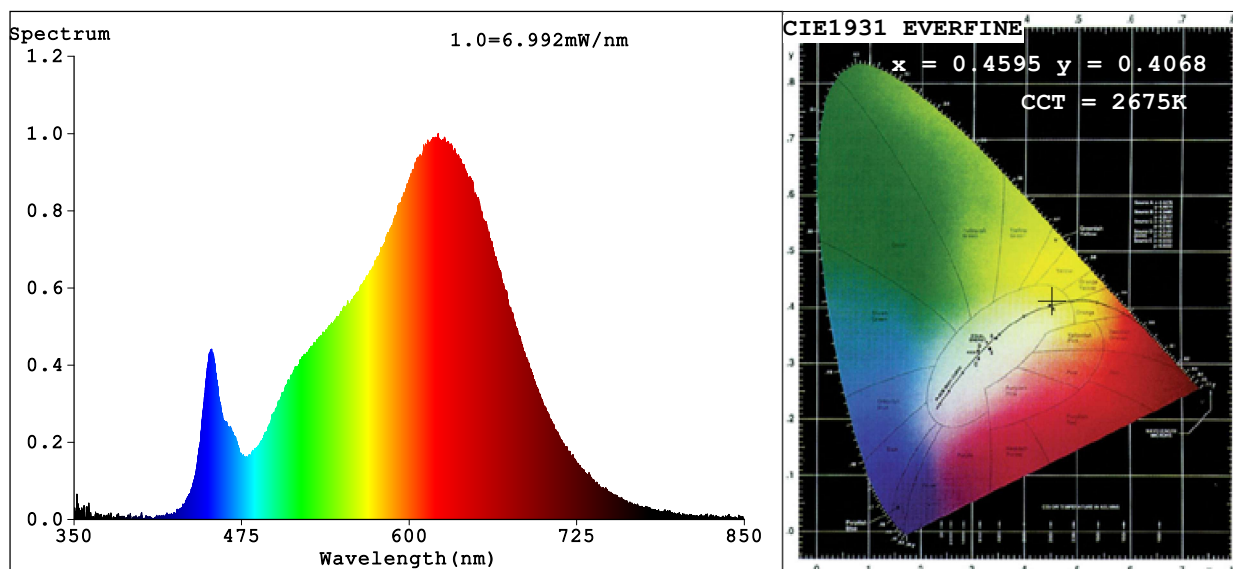
V = 230.09 V I = 0.04614 A P = 4.322 W PF = 0.4071

Status: Integral T = 500 ms Ip = 5882 (9%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:18° 4w 2700k
 Date:2026-02-12 14:39:00
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4595$ $y=0.4068$ $u'=0.2640$ $v'=0.5259$

$CCT=2675K$ ($Duv=-0.0014$) Dominant WL: $Ld = 584.8nm$ Purity=60.0%

Ratio: $R=26.9\%$ $G=70.7\%$ $B=2.4\%$; Peak WL: $Lp=621.7nm$ FWHM=140.2nm

Render Index: $Ra=93.3$ CRI=90.9 TM30: $Rf=90$ $Rg=101$

$R1 = 94$ $R2 = 97$ $R3 = 99$ $R4 = 94$ $R5 = 94$ $R6 = 97$ $R7 = 91$

$R8 = 81$ $R9 = 59$ $R10=93$ $R11=95$ $R12=84$ $R13=95$ $R14=99$ $R15=90$

Photo Parameters:

Flux = 308.6 lm Eff. : 71.56 lm/W $F_e = 1.091 W$

Electrical parameters:

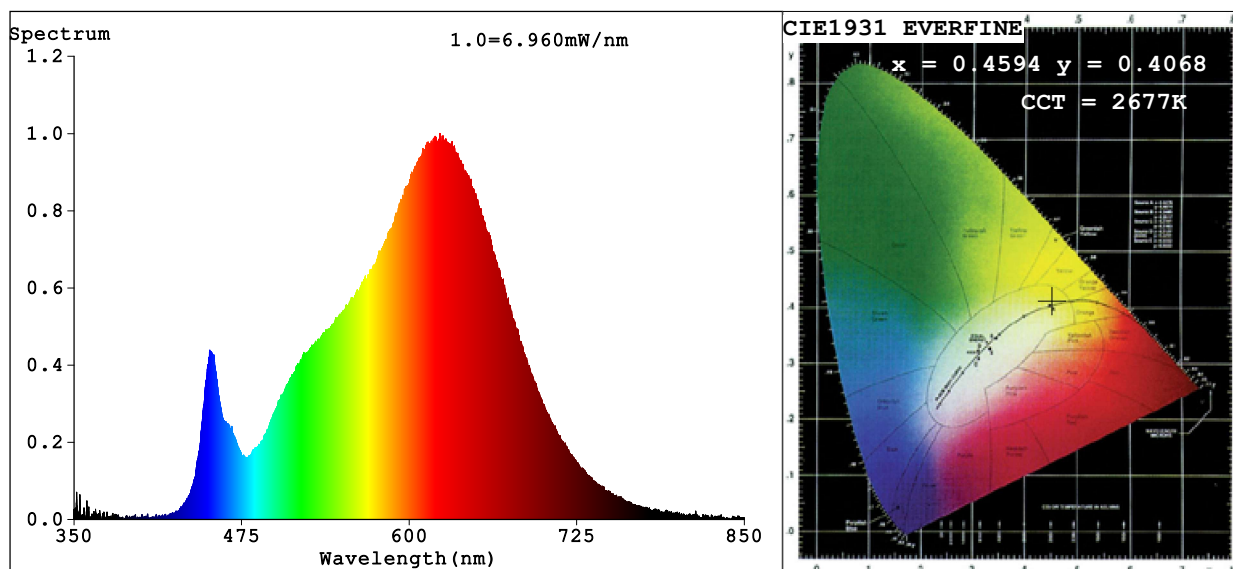
$V = 230.09 V$ $I = 0.04609 A$ $P = 4.312 W$ PF = 0.4067

Status: Integral $T = 500 ms$ $I_p = 6079 (9\%)$

Model: Focalis Vex 4-6-8w
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 24° 6w 2700k
 Date: 2026-02-12 14:39:24
 Humidity: 50%
 Remarks: 1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4594$ $y=0.4068$ $u'=0.2639$ $v'=0.5258$
 CCT=2677K (Duv=-0.0014) Dominant WL:Ld =584.8nm Purity=60.0%
 Ratio:R=26.9% G=70.7% B=2.4%; Peak WL:Lp=623.0nm FWHM=136.2nm
 Render Index:Ra=93.2 CRI=90.8 TM30:Rf=90 Rg=101
 R1 =94 R2 =97 R3 =99 R4 =94 R5 =94 R6 =97 R7 =91
 R8 =81 R9 =59 R10=93 R11=95 R12=84 R13=95 R14=99 R15=89

Photo Parameters:

Flux = 306.5 lm Eff. : 71.15 lm/W Fe = 1.083 W

Electrical parameters:

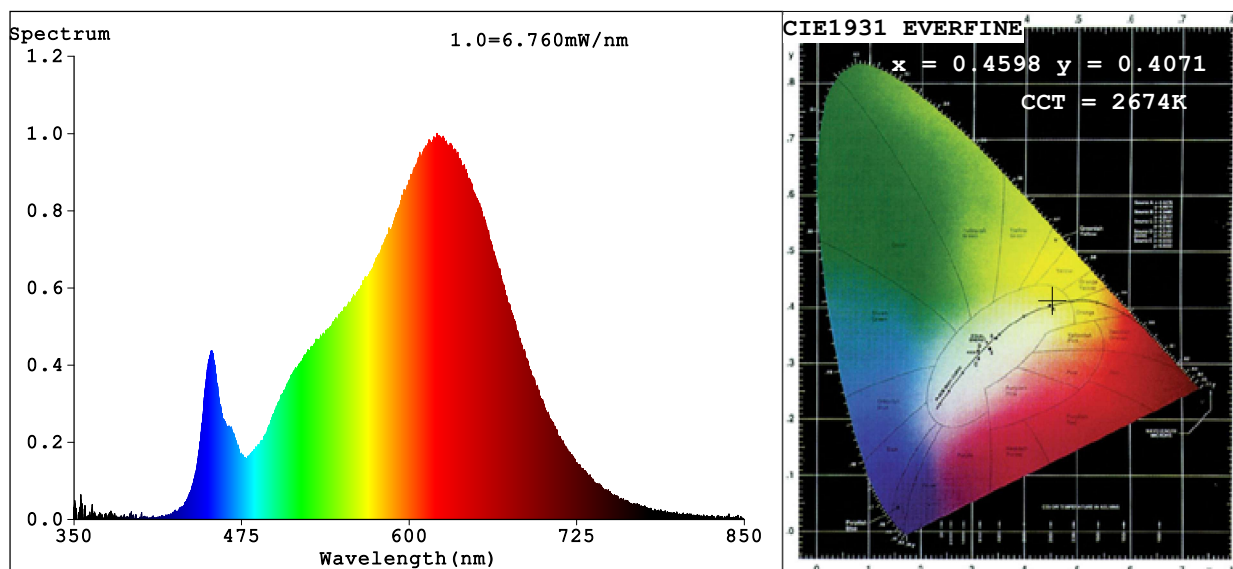
V = 230.11 V I = 0.04615 A P = 4.307 W PF = 0.4056

Status: Integral T = 500 ms Ip = 6031 (9%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:36° 6w 2700k
 Date:2026-02-12 14:39:49
 Humidity:50%
 Remarks:1 unidad

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4598$ $y=0.4071$ / $u'=0.2640$ $v'=0.5260$
 CCT=2674K (Duv=-0.0013) Dominant WL:Ld =584.8nm Purity=60.2%
 Ratio:R=26.9% G=70.7% B=2.4%; Peak WL:Lp=620.7nm FWHM=138.6nm
 Render Index:Ra=93.2 CRI=90.7 TM30:Rf=90 Rg=101
 R1 =94 R2 =97 R3 =99 R4 =94 R5 =94 R6 =97 R7 =91
 R8 =81 R9 =59 R10=93 R11=95 R12=84 R13=95 R14=99 R15=89

Photo Parameters:

Flux = 297.6 lm Eff. : 69.12 lm/W Fe = 1.052 W

Electrical parameters:

V = 230.09 V I = 0.04613 A P = 4.306 W PF = 0.4056

Status: Integral T = 500 ms Ip = 5854 (9%)

Model:Focalis Vex 4-6-8w
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:45° 6w 2700k
 Date:2026-02-12 14:40:13
 Humidity:50%
 Remarks:1 unidad