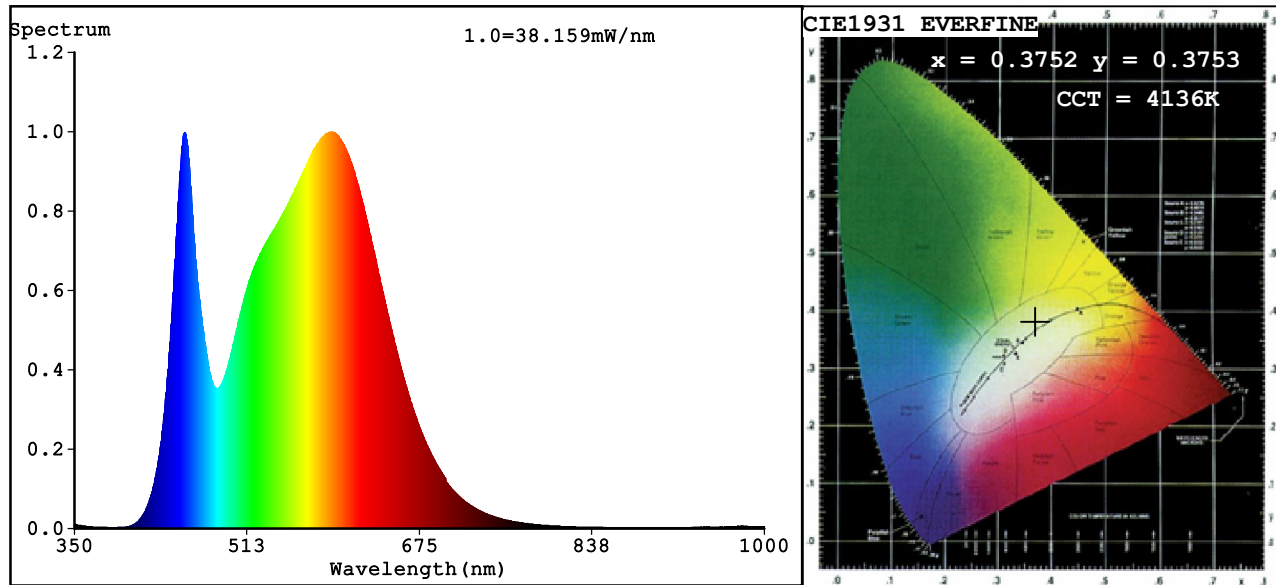


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3752$ $y=0.3753$ $u'=0.2222$ $v'=0.5002$

CCT=4136K(Duv=0.0009) Dominant WL:Ld =578.0nm Purity=25.2%

Ratio:R=17.7% G=78.3% B=3.9%;;Peak WL:Lp=592.8nm FWHM=146.2nm

Render Index:Ra=82.6

R1 =81	R2 =90	R3 =95	R4 =80	R5 =81	R6 =85	R7 =85	
R8 =63	R9 =5	R10=75	R11=78	R12=62	R13=83	R14=98	R15=75

Photo Parameters:

Flux = 2210 lm Eff. : 93.41 lm/W Fe = 6.750 W

Electrical parameters:

V = 229.92 V I = 0.1767 A P = 23.66 W PF = 0.5823

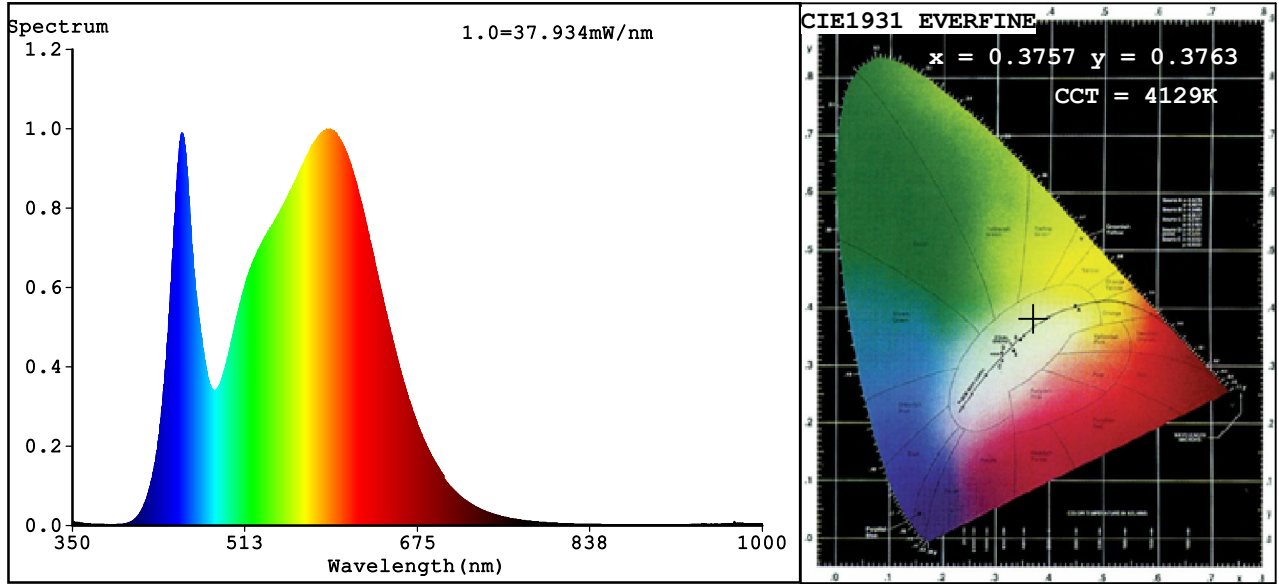
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 48784 (74%)

Model:LED Module/22W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED768
Date:2018-01-16 14:47
Humidity:65.0%
Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3757$ $y=0.3763$ $u'=0.2222$ $v'=0.5007$

CCT=4129K(Duv=0.0012) Dominant WL:Ld =577.9nm Purity=25.7%

Ratio:R=17.7% G=78.5% B=3.9%;;Peak WL:Lp=592.8nm FWHM=145.9nm

Render Index:Ra=82.2

R1 =80 R2 =89 R3 =95 R4 =80 R5 =80 R6 =85 R7 =86

R8 =63 R9 =4 R10=74 R11=78 R12=62 R13=82 R14=98 R15=74

Photo Parameters:

Flux = 2197 lm Eff. : 93.45 lm/W Fe = 6.692 W

Electrical parameters:

V = 229.91 V I = 0.1758 A P = 23.51 W PF = 0.5816

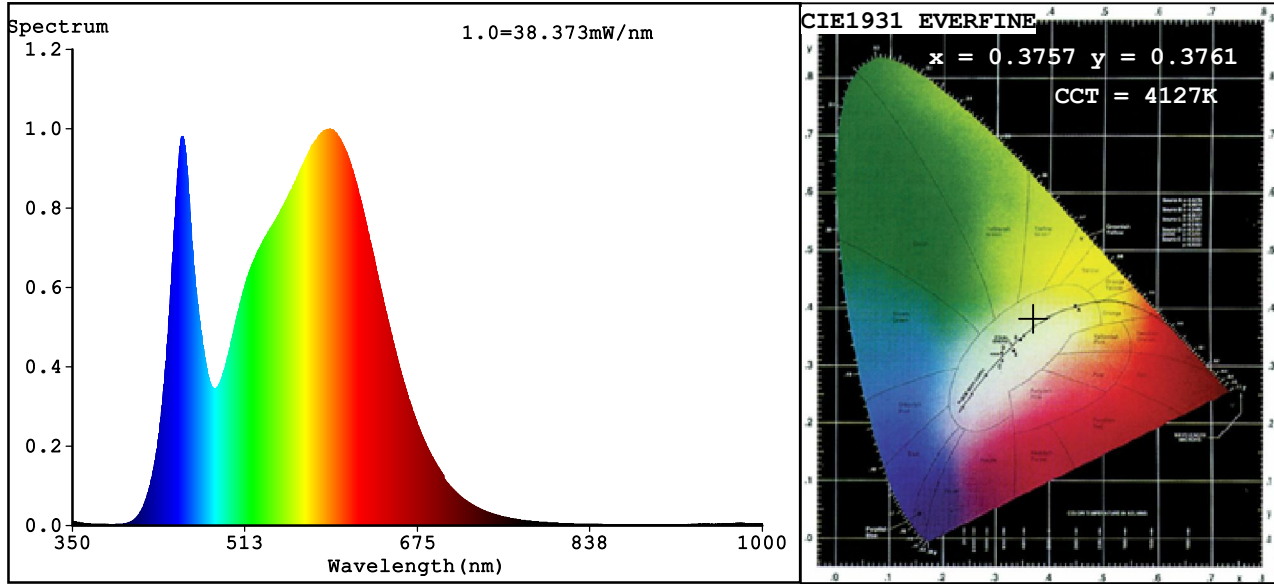
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 48535 (74%)

Model:LED Module/22W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED768
Date:2018-01-16 14:53
Humidity:65.0%
Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3757$ $y=0.3761$ $u'=0.2222$ $v'=0.5006$

CCT=4127K(Duv=0.0011) Dominant WL:Ld =577.9nm Purity=25.6%

Ratio:R=17.7% G=78.4% B=3.9%;;Peak WL:Lp=592.8nm FWHM=146.0nm

Render Index:Ra=82.3

R1 =80 R2 =89 R3 =95 R4 =80 R5 =80 R6 =85 R7 =86

R8 =63 R9 =4 R10=74 R11=78 R12=62 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 2221 lm Eff. : 93.95 lm/W Fe = 6.771 W

Electrical parameters:

V = 229.85 V I = 0.1768 A P = 23.64 W PF = 0.5818

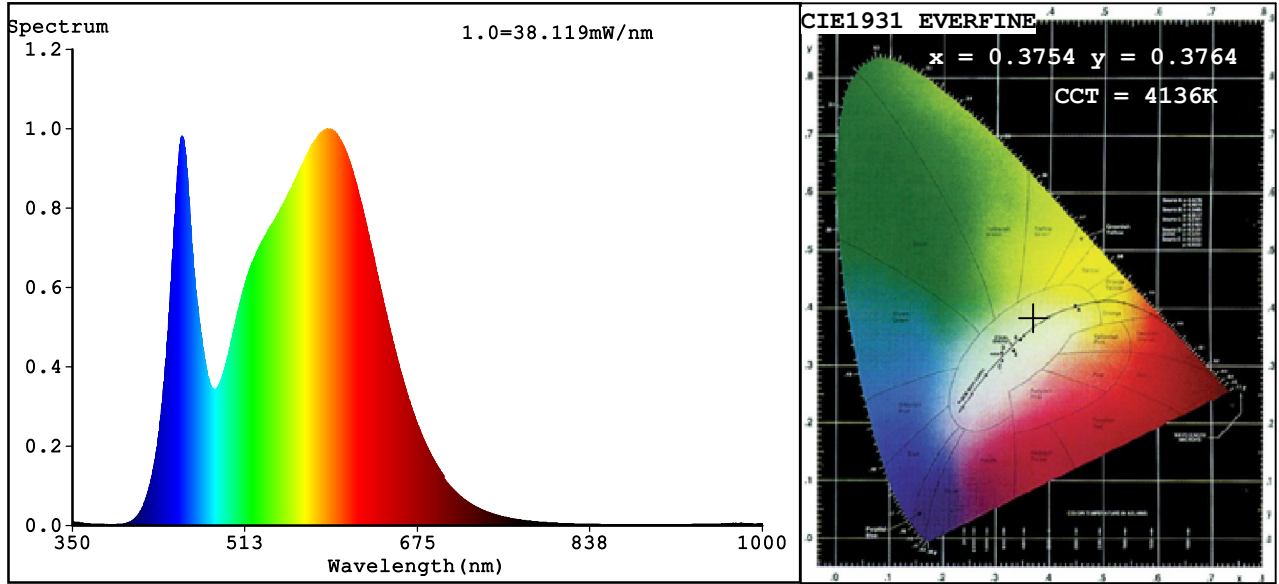
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 49059 (75%)

Model:LED Module/22W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED768
Date:2018-01-16 14:56
Humidity:65.0%
Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3754$ $y=0.3764$ / $u'=0.2219$ $v'=0.5007$
 CCT=4136K (Duv=0.0014) Dominant WL:Ld =577.8nm Purity=25.6%
 Ratio:R=17.6% G=78.5% B=3.9%;; Peak WL:Lp=590.5nm FWHM=146.0nm
 Render Index:Ra=82.1
 R1 =80 R2 =89 R3 =95 R4 =80 R5 =80 R6 =85 R7 =86
 R8 =63 R9 =3 R10=74 R11=78 R12=62 R13=82 R14=98 R15=74

Photo Parameters:

Flux = 2212 lm Eff. : 93.06 lm/W Fe = 6.735 W

Electrical parameters:

V = 229.83 V I = 0.1776 A P = 23.77 W PF = 0.5826

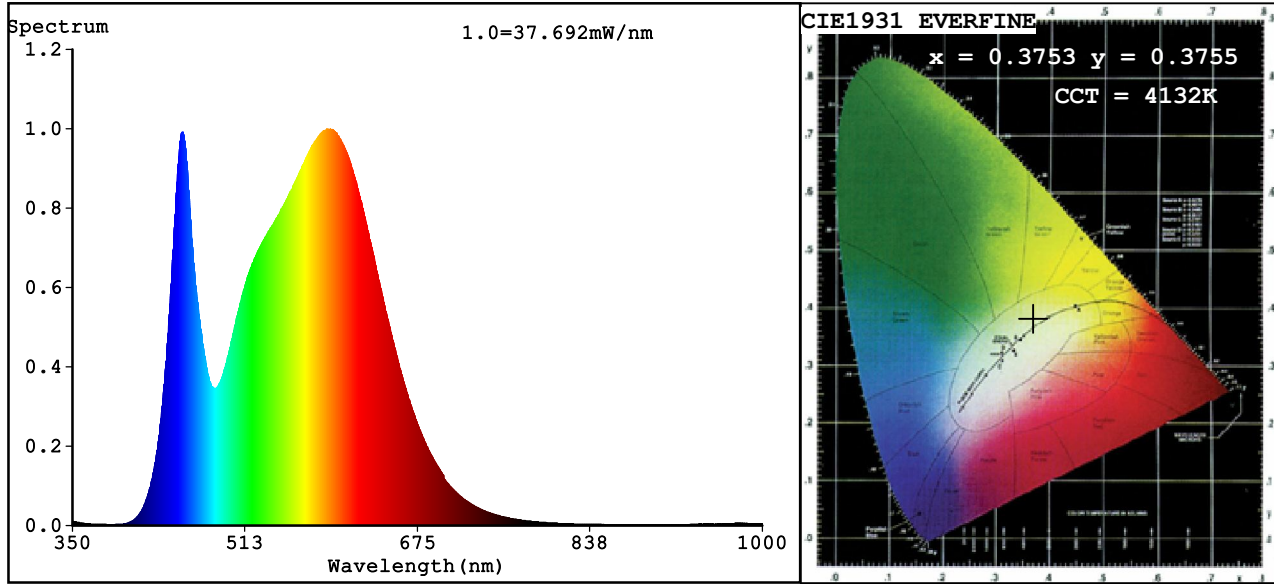
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 48819 (74%)

Model:LED Module/22W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED768
 Date:2018-01-16 14:59
 Humidity:65.0%
 Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3753$ $y=0.3755$ $u'=0.2223$ $v'=0.5003$
 CCT=4132K(Duv=0.0009) Dominant WL:Ld =578.0nm Purity=25.3%
 Ratio:R=17.7% G=78.4% B=3.9%;;Peak WL:Lp=592.8nm FWHM=146.1nm
 Render Index:Ra=82.4
 R1 =80 R2 =90 R3 =95 R4 =80 R5 =80 R6 =85 R7 =86
 R8 =63 R9 =5 R10=75 R11=78 R12=62 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 2183 lm Eff. : 93.39 lm/W Fe = 6.664 W

Electrical parameters:

V = 229.91 V I = 0.1755 A P = 23.38 W PF = 0.5793

WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 48239 (74%)

Model:LED Module/22W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED768
 Date:2018-01-16 15:20
 Humidity:65.0%
 Remarks:017V37A_4082