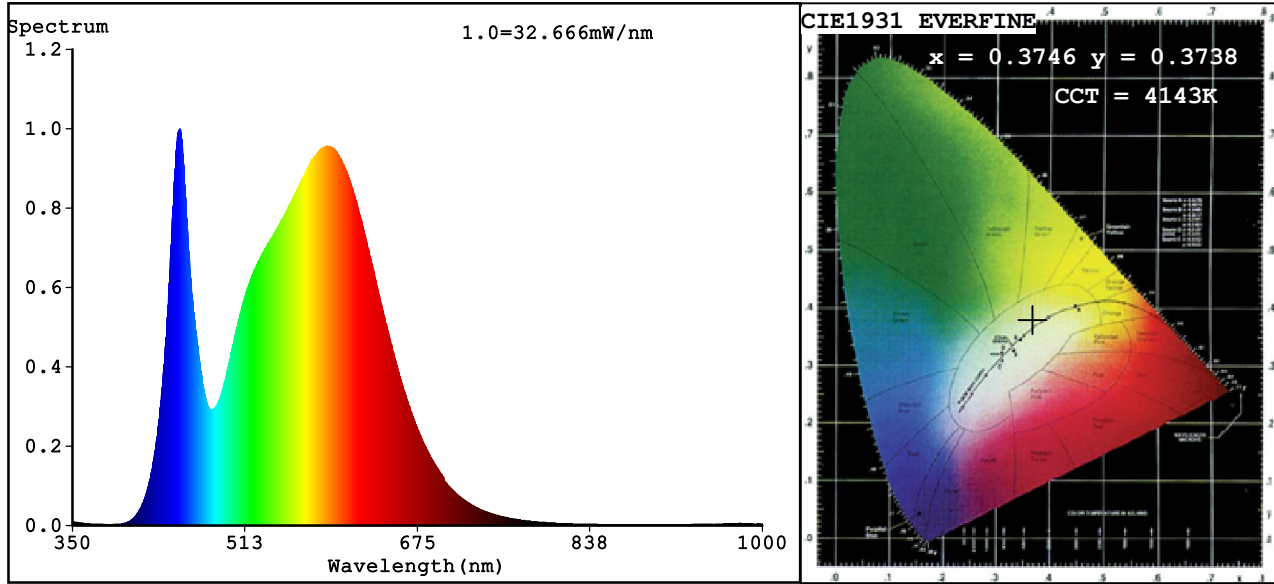


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3746$ $y=0.3738$ $u'=0.2224$ $v'=0.4994$
 CCT=4143K(Duv=0.0004) Dominant WL:Ld =578.3nm Purity=24.6%
 Ratio:R=17.5% G=78.8% B=3.6%;;Peak WL:Lp=451.3nm FWHM=26.9nm
 Render Index:Ra=81.3
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =79 R6 =83 R7 =85
 R8 =63 R9 =1 R10=70 R11=78 R12=61 R13=81 R14=97 R15=73

Photo Parameters:

Flux = 1808 lm Eff. : 98.84 lm/W Fe = 5.515 W

Electrical parameters:

V = 229.80 V I = 0.1427 A P = 18.30 W PF = 0.5579

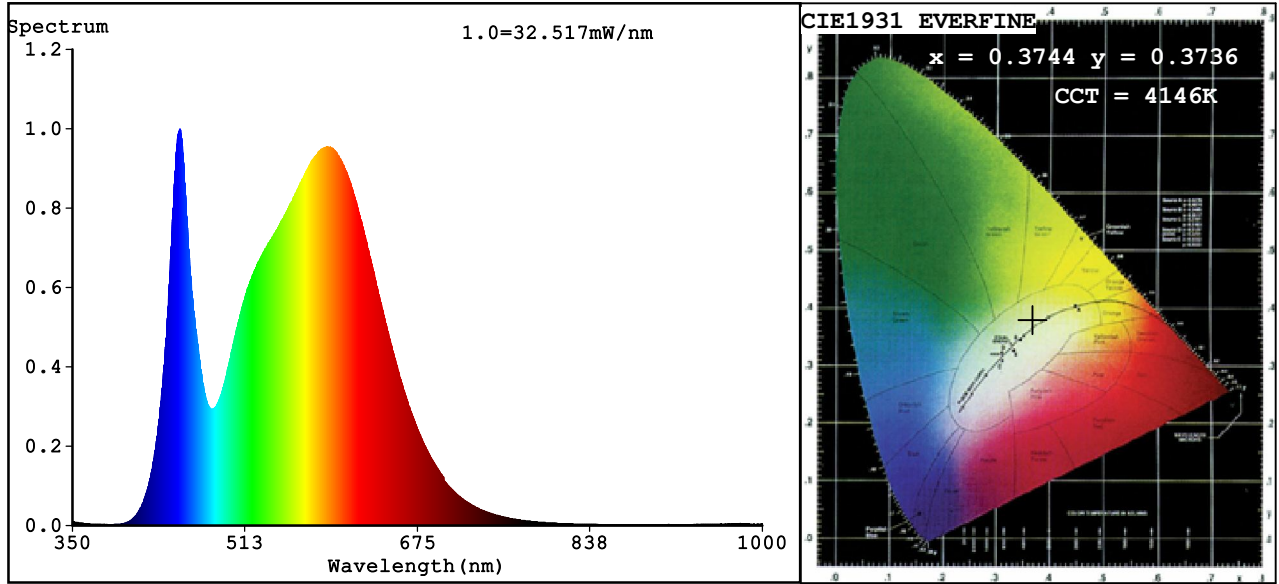
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 40056 (61%)

Model:LED Module/18W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED767
 Date:2018-01-16 14:05
 Humidity:65.0%
 Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3744$ $y=0.3736$ $u'=0.2224$ $v'=0.4993$
 CCT=4146K(Duv=0.0003) Dominant WL:Ld =578.3nm Purity=24.4%
 Ratio:R=17.5% G=78.8% B=3.7%;;Peak WL:Lp=451.3nm FWHM=27.0nm
 Render Index:Ra=81.3
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =79 R6 =83 R7 =85
 R8 =63 R9 =1 R10=70 R11=78 R12=61 R13=81 R14=97 R15=73

Photo Parameters:

Flux = 1797 lm Eff. : 98.51 lm/W Fe = 5.484 W

Electrical parameters:

V = 229.79 V I = 0.1427 A P = 18.24 W PF = 0.5566

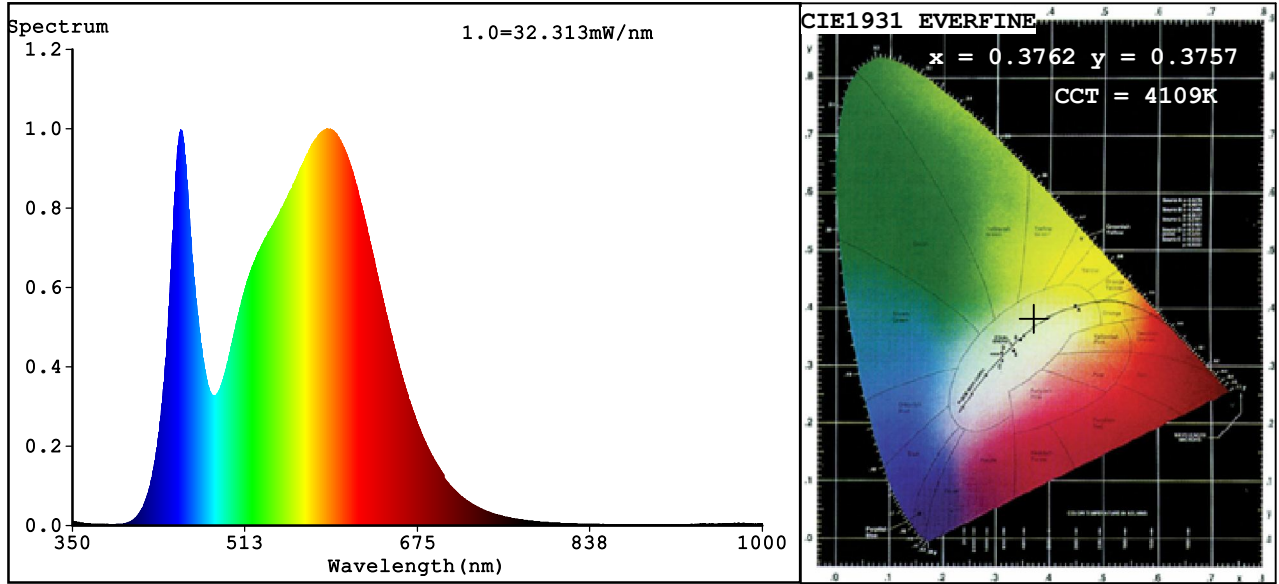
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 39833 (61%)

Model:LED Module/18W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED767
 Date:2018-01-16 14:06
 Humidity:65.0%
 Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3762$ $y=0.3757/u'=0.2227$ $v'=0.5005$

CCT=4109K(Duv=0.0008) Dominant WL:Ld =578.2nm Purity=25.6%

Ratio:R=17.7% G=78.6% B=3.8%;;Peak WL:Lp=589.5nm FWHM=144.8nm

Render Index:Ra=81.7

R1 =80 R2 =89 R3 =95 R4 =80 R5 =80 R6 =84 R7 =85

R8 =62 R9 =2 R10=73 R11=77 R12=61 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 1865 lm Eff. : 99.48 lm/W Fe = 5.679 W

Electrical parameters:

V = 229.87 V I = 0.1469 A P = 18.74 W PF = 0.5553

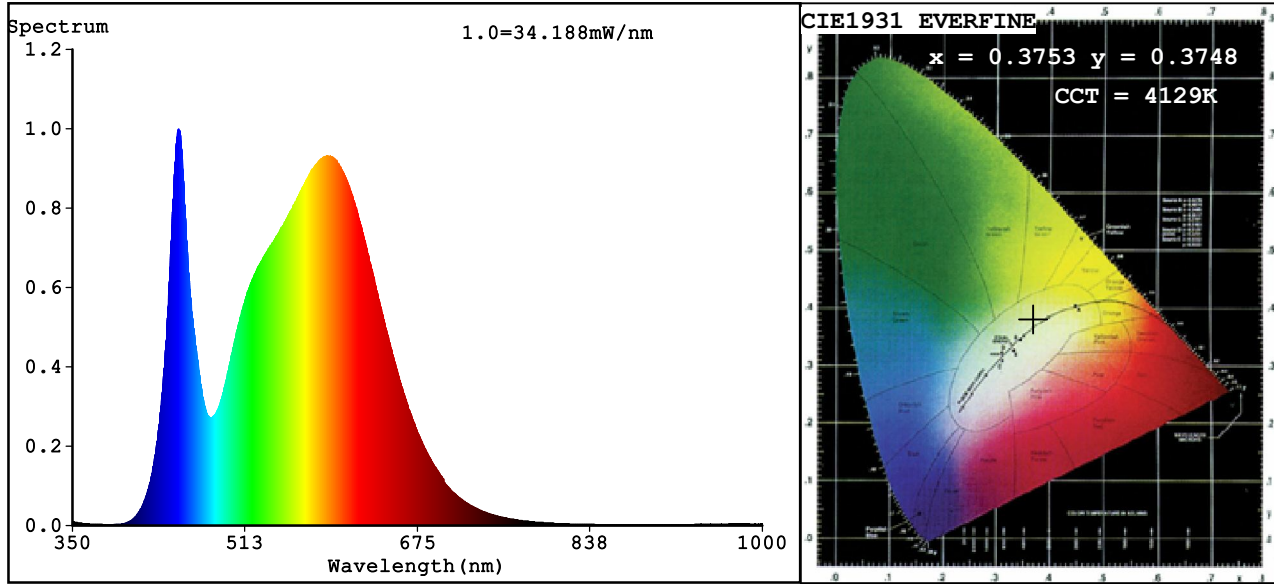
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 41396 (63%)

Model:LED Module/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED767
Date:2018-01-16 14:12
Humidity:65.0%
Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3753$ $y=0.3748$ $u'=0.2225$ $v'=0.5000$
 CCT=4129K(Duv=0.0006) Dominant WL:Ld =578.2nm Purity=25.1%
 Ratio:R=17.6% G=78.9% B=3.6%;;Peak WL:Lp=449.9nm FWHM=25.1nm
 Render Index:Ra=81.2
 R1 =79 R2 =87 R3 =93 R4 =80 R5 =79 R6 =82 R7 =86
 R8 =63 R9 =1 R10=70 R11=78 R12=61 R13=81 R14=96 R15=73

Photo Parameters:

Flux = 1847 lm Eff. : 99.87 lm/W Fe = 5.614 W

Electrical parameters:

V = 229.82 V I = 0.1445 A P = 18.50 W PF = 0.5570

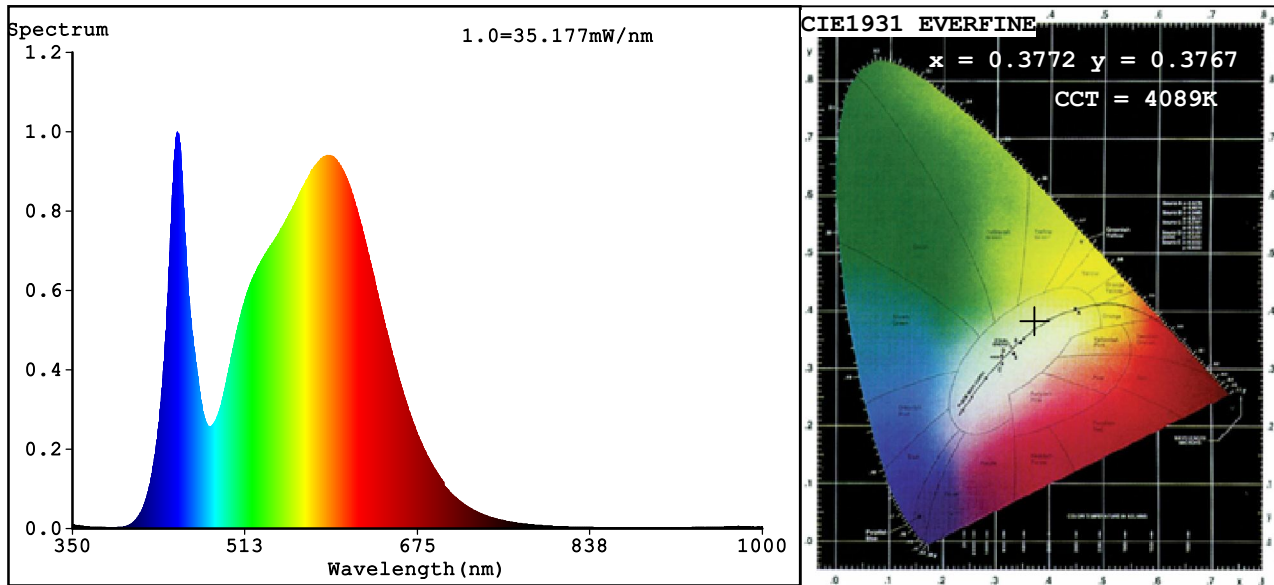
WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 40845 (62%)

Model:LED Module/18W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED767
 Date:2018-01-16 14:15
 Humidity:65.0%
 Remarks:017V37A_4082

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3772$ $y=0.3767/u'=0.2230$ $v'=0.5011$

CCT=4089K(Duv=0.0009) Dominant WL:Ld =578.2nm Purity=26.3%

Ratio:R=17.7% G=78.9% B=3.4%;;Peak WL:Lp=448.9nm FWHM=24.2nm

Render Index:Ra=81.0

R1 =79	R2 =87	R3 =93	R4 =80	R5 =79	R6 =82	R7 =85	
R8 =63	R9 =0	R10=69	R11=79	R12=61	R13=81	R14=96	R15=73

Photo Parameters:

Flux = 1916 lm Eff. : 102.26 lm/W Fe = 5.798 W

Electrical parameters:

V = 229.85 V I = 0.1452 A P = 18.73 W PF = 0.5614

WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 42382 (65%)

Model:LED Module/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED767
Date:2018-01-16 14:16
Humidity:65.0%
Remarks:017V37A_4082