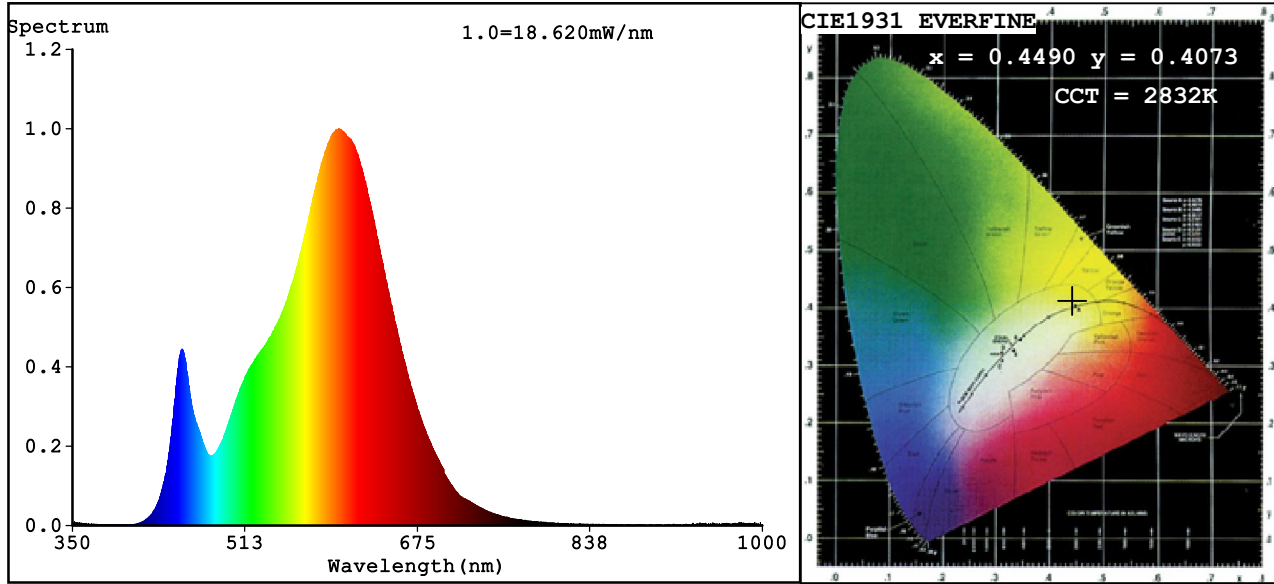


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4490$ $y=0.4073$ $u'=0.2570$ $v'=0.5245$

CCT=2832K(Duv=-0.0002) Dominant WL:Ld =583.6nm Purity=57.1%

Ratio:R=23.8% G=73.8% B=2.4%;;Peak WL:Lp=601.4nm FWHM=114.2nm

Render Index:Ra=80.5

R1 =79 R2 =91 R3 =94 R4 =77 R5 =79 R6 =90 R7 =80

R8 =54 R9 =0 R10=80 R11=77 R12=72 R13=82 R14=97 R15=70

Photo Parameters:

Flux = 867.4 lm Eff. : 69.35 lm/W Fe = 2.616 W

Electrical parameters:

V = 220.00 V I = 0.1079 A P = 12.51 W PF = 0.5268

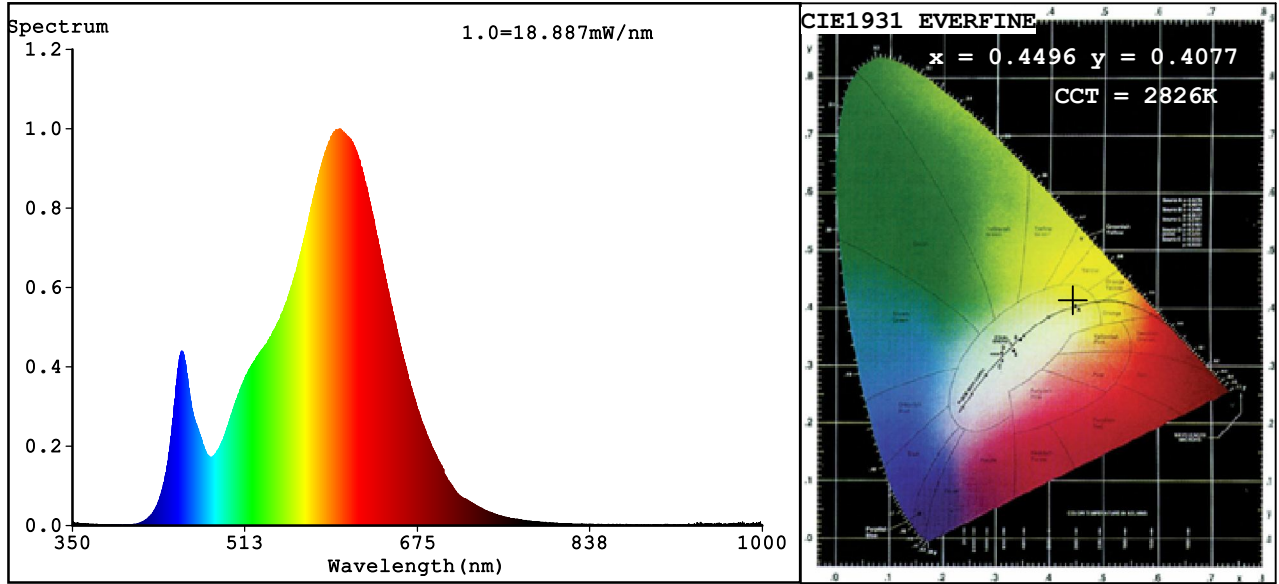
WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 34099 (52%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED967WW
Date:2018-08-20 13:41
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4496$ $y=0.4077$ $u'=0.2572$ $v'=0.5247$

CCT=2826K(Duv=-0.0001) Dominant WL:Ld =583.6nm Purity=57.3%

Ratio:R=23.8% G=73.8% B=2.4%;;Peak WL:Lp=601.5nm FWHM=113.7nm

Render Index:Ra=80.5

R1 =79 R2 =91 R3 =94 R4 =77 R5 =79 R6 =90 R7 =80

R8 =53 R9 =0 R10=80 R11=77 R12=72 R13=82 R14=98 R15=70

Photo Parameters:

Flux = 878.3 lm Eff. : 72.45 lm/W Fe = 2.649 W

Electrical parameters:

V = 220.02 V I = 0.1057 A P = 12.12 W PF = 0.5212

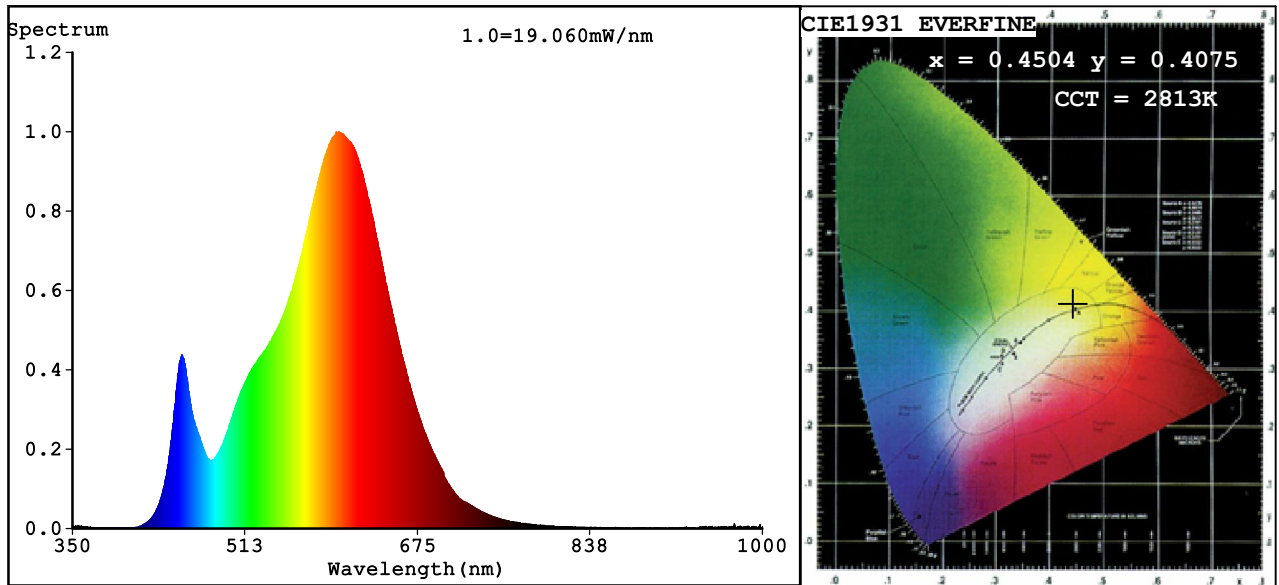
WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 34537 (53%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED967WW
Date:2018-08-20 13:49
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4504$ $y=0.4075$ $u'=0.2578$ $v'=0.5247$

CCT=2813K(Duv=-0.0003) Dominant WL:Ld =583.8nm Purity=57.5%

Ratio:R=23.9% G=73.7% B=2.4%;;Peak WL:Lp=601.4nm FWHM=112.7nm

Render Index:Ra=80.4

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =79 | R2 =91 | R3 =94 | R4 =77 | R5 =79 | R6 =90 | R7 =80 | |
| R8 =53 | R9 =0 | R10=80 | R11=77 | R12=72 | R13=82 | R14=97 | R15=70 |

Photo Parameters:

Flux = 883.4 lm Eff. : 72.78 lm/W Fe = 2.666 W

Electrical parameters:

V = 220.00 V I = 0.1056 A P = 12.14 W PF = 0.5226

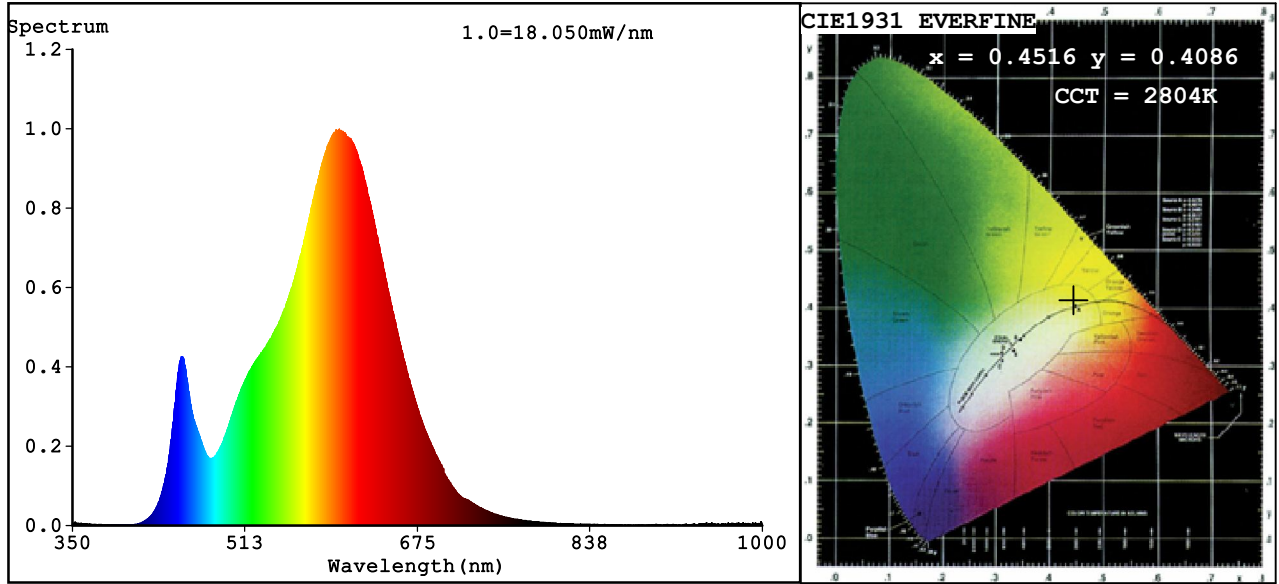
WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 34842 (53%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED967WW
Date:2018-08-20 13:51
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4516$ $y=0.4086$ $u'=0.2580$ $v'=0.5254$
CCT=2804K(Duv=0.0000) Dominant WL:Ld =583.7nm Purity=58.2%
Ratio:R=23.9% G=73.7% B=2.3%;;Peak WL:Lp=601.5nm FWHM=113.1nm
Render Index:Ra=80.3
R1 =79 R2 =91 R3 =94 R4 =77 R5 =79 R6 =90 R7 =80
R8 =53 R9 =0 R10=80 R11=76 R12=72 R13=82 R14=98 R15=70

Photo Parameters:

Flux = 835.7 lm Eff. : 68.47 lm/W Fe = 2.521 W

Electrical parameters:

V = 219.99 V I = 0.1058 A P = 12.20 W PF = 0.5243

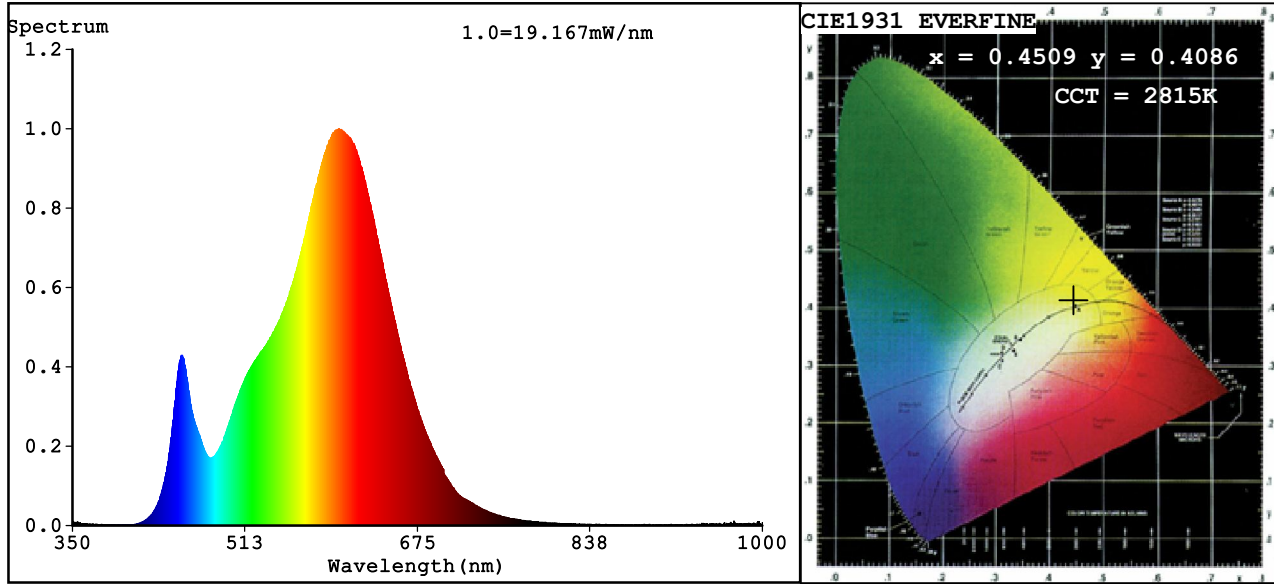
WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 33001 (50%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED967WW
Date:2018-08-20 13:53
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4509$ $y=0.4086$ $u'=0.2576$ $v'=0.5252$
 CCT=2815K(Duv=0.0001) Dominant WL:Ld =583.6nm Purity=58.0%
 Ratio:R=23.9% G=73.8% B=2.4%;;Peak WL:Lp=601.1nm FWHM=113.4nm
 Render Index:Ra=80.3
 R1 =79 R2 =91 R3 =95 R4 =77 R5 =79 R6 =89 R7 =80
 R8 =53 R9 =0 R10=80 R11=76 R12=72 R13=81 R14=98 R15=70

Photo Parameters:

Flux = 890.8 lm Eff. : 73.35 lm/W Fe = 2.683 W

Electrical parameters:

V = 219.99 V I = 0.1068 A P = 12.14 W PF = 0.5167

WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 35078 (54%)

Model:LED PANEL SQUARE/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED967WW
 Date:2018-08-20 13:56
 Humidity:65.0%
 Remarks:018V019A_4809