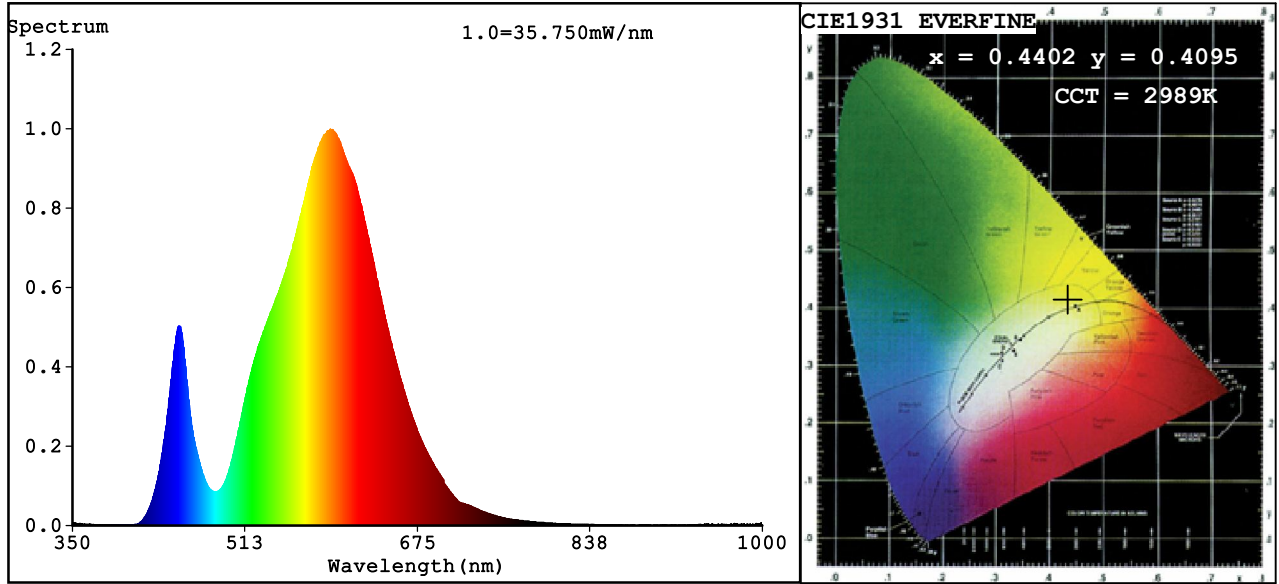


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4402$   $y=0.4095$  /  $u'=0.2504$   $v'=0.5240$   
 CCT=2989K (Duv=0.0017) Dominant WL:Ld =582.3nm Purity=55.1%  
 Ratio:R=21.0% G=77.4% B=1.6%;; Peak WL:Lp=592.8nm FWHM=115.4nm  
 Render Index:Ra=71.0  
 R1 =67    R2 =81    R3 =93    R4 =67    R5 =66    R6 =73    R7 =78  
 R8 =44    R9 =0    R10=56    R11=61    R12=44    R13=69    R14=96    R15=60

**Photo Parameters:**

Flux = 1714 lm    Eff. : 70.53 lm/W    Fe = 4.843 W

**Electrical parameters:**

V = 230.03 V    I = 0.2081 A    P = 24.30 W PF = 0.5077

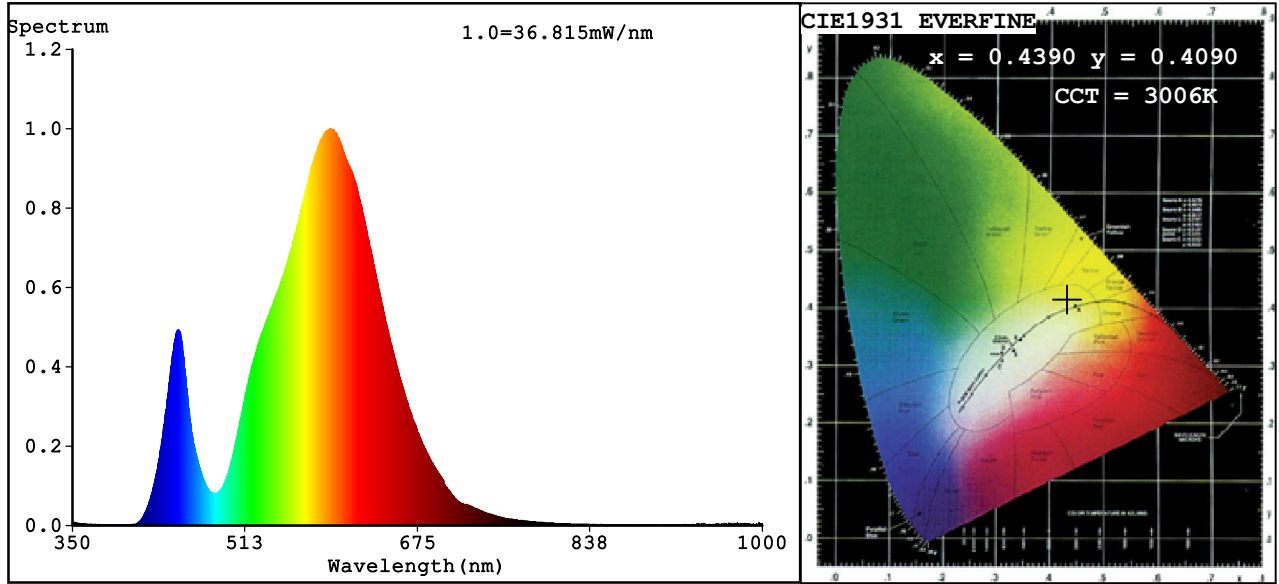
WHITE:ANSI\_3000K

Status: Integral T = 29 ms    Ip = 52399 (80%)

Model:LED PANEL SQUARE/24W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED637  
 Date:2018-03-15 12:50  
 Humidity:65.0%  
 Remarks:017V060A\_4392

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4390$   $y=0.4090$  /  $u'=0.2498$   $v'=0.5236$   
 CCT=3006K (Duv=0.0017) Dominant WL:Ld =582.2nm Purity=54.5%  
 Ratio:R=20.9% G=77.6% B=1.5%;; Peak WL:Lp=592.8nm FWHM=115.9nm  
 Render Index:Ra=70.7  
 R1 =67    R2 =80    R3 =92    R4 =67    R5 =66    R6 =72    R7 =78  
 R8 =44    R9 =0    R10=54    R11=61    R12=44    R13=69    R14=95    R15=59

**Photo Parameters:**

Flux = 1775 lm    Eff. : 70.74 lm/W    Fe = 5.011 W

**Electrical parameters:**

V = 230.01 V    I = 0.2142 A    P = 25.08 W PF = 0.5091

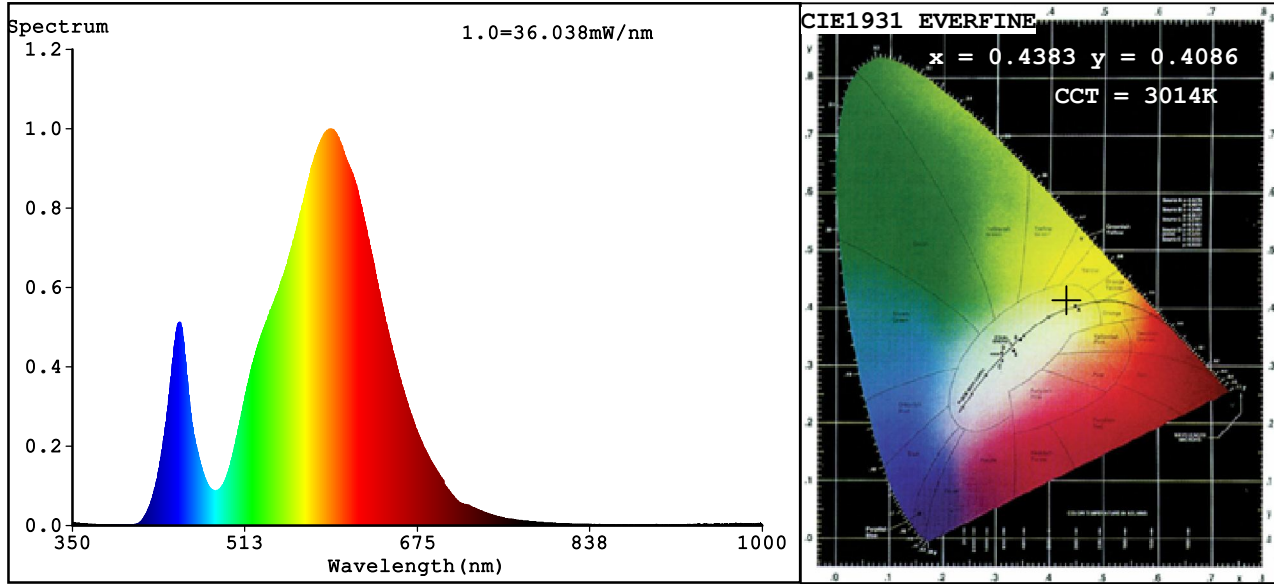
WHITE:ANSI\_3000K

Status: Integral T = 29 ms    Ip = 54142 (83%)

Model:LED PANEL SQUARE/24W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED637  
 Date:2018-03-15 12:54  
 Humidity:65.0%  
 Remarks:017V060A\_4392

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4383$   $y=0.4086$   $u'=0.2495$   $v'=0.5233$   
CCT=3014K(Duv=0.0016) Dominant WL:Ld =582.2nm Purity=54.2%  
Ratio:R=20.9% G=77.5% B=1.6%;;Peak WL:Lp=592.8nm FWHM=115.7nm  
Render Index:Ra=71.0  
R1 =67 R2 =81 R3 =93 R4 =67 R5 =66 R6 =73 R7 =78  
R8 =44 R9 =0 R10=55 R11=61 R12=45 R13=69 R14=96 R15=60

**Photo Parameters:**

Flux = 1738 lm Eff. : 69.52 lm/W Fe = 4.908 W

**Electrical parameters:**

V = 230.03 V I = 0.2139 A P = 24.99 W PF = 0.5080

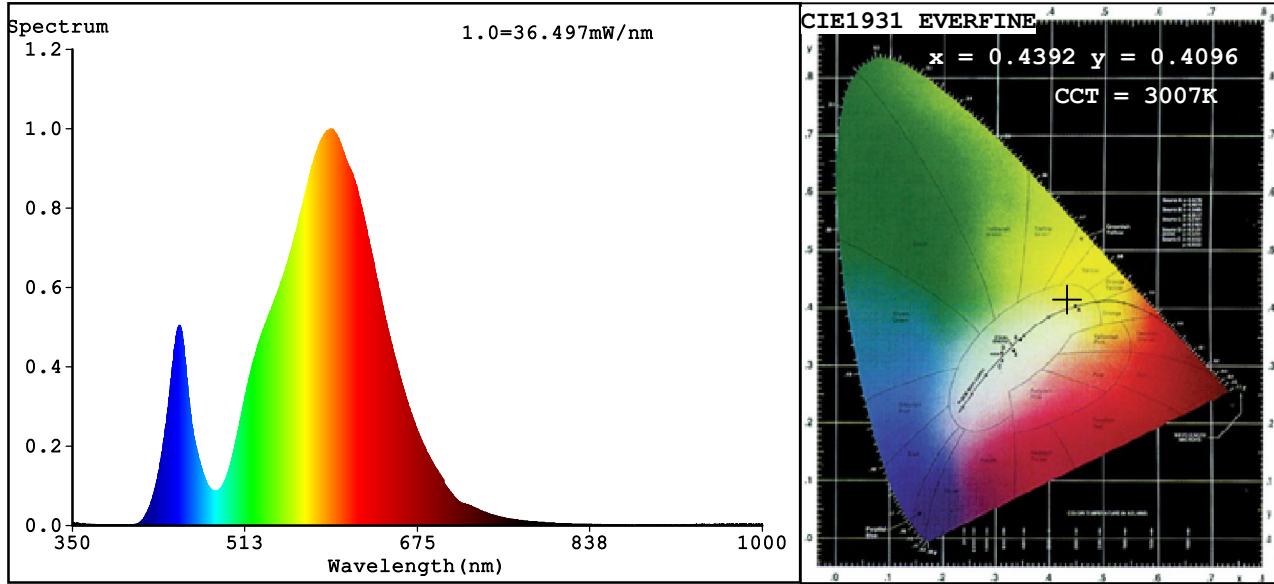
WHITE:ANSI\_3000K

Status: Integral T = 29 ms Ip = 53003 (81%)

Model:LED PANEL SQUARE/24W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99XLED637  
Date:2018-03-15 13:02  
Humidity:65.0%  
Remarks:017V060A\_4392

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4392$   $y=0.4096$   $u'=0.2497$   $v'=0.5239$   
CCT=3007K (Duv=0.0019) Dominant WL:Ld =582.1nm Purity=54.8%  
Ratio:R=20.9% G=77.5% B=1.6%;; Peak WL:Lp=592.8nm FWHM=116.2nm  
Render Index:Ra=71.1  
R1 =67    R2 =81    R3 =93    R4 =67    R5 =66    R6 =73    R7 =78  
R8 =44    R9 =0    R10=55    R11=61    R12=44    R13=69    R14=96    R15=60

**Photo Parameters:**

Flux = 1758 lm    Eff. : 70.67 lm/W    Fe = 4.965 W

**Electrical parameters:**

V = 230.00 V    I = 0.2133 A    P = 24.88 W PF = 0.5071

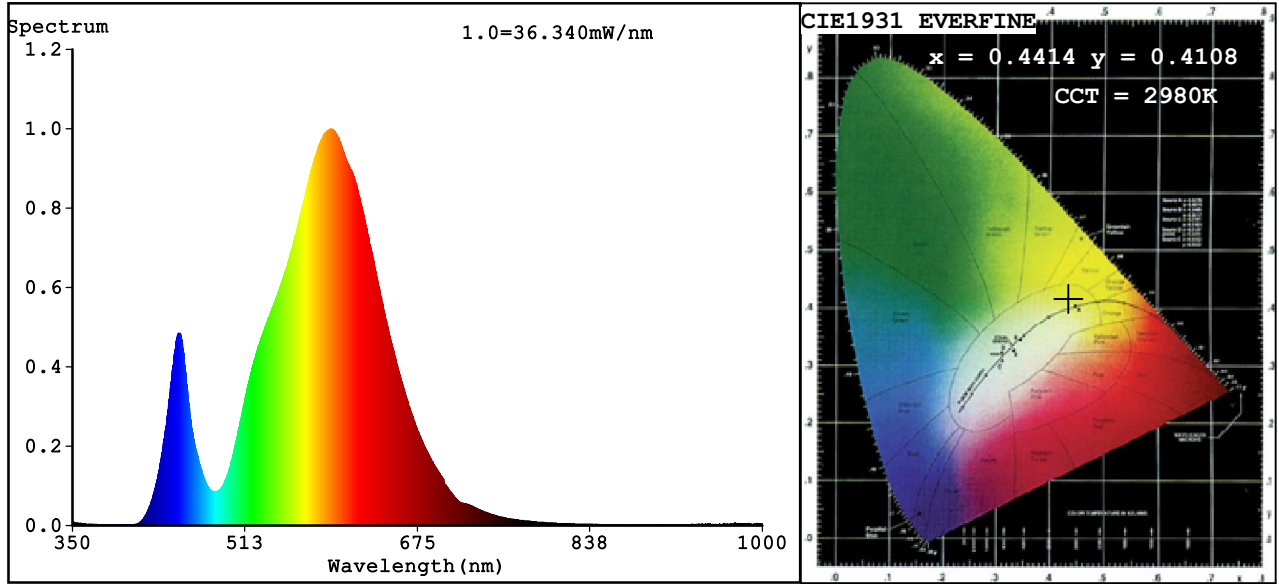
WHITE:ANSI\_3000K

Status: Integral T = 29 ms Ip = 53661 (82%)

Model:LED PANEL SQUARE/24W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99XLED637  
Date:2018-03-15 13:05  
Humidity:65.0%  
Remarks:017V060A\_4392

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4414$   $y=0.4108$   $u'=0.2506$   $v'=0.5247$   
 CCT=2980K(Duv=0.0021) Dominant WL:Ld =582.2nm Purity=55.8%  
 Ratio:R=21.1% G=77.4% B=1.6%;;Peak WL:Lp=594.5nm FWHM=115.6nm  
 Render Index:Ra=71.0  
 R1 =67      R2 =81      R3 =93      R4 =67      R5 =66      R6 =73      R7 =78  
 R8 =44      R9 =0      R10=55      R11=61      R12=44      R13=69      R14=96      R15=59

**Photo Parameters:**

Flux = 1744 lm    Eff. : 68.79 lm/W    Fe = 4.927 W

**Electrical parameters:**

V = 230.01 V      I = 0.2166 A      P = 25.35 W PF = 0.5090

WHITE:ANSI\_3000K

Status: Integral T = 29 ms Ip = 53378 (81%)

Model:LED PANEL SQUARE/24W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED637  
 Date:2018-03-15 13:16  
 Humidity:65.0%  
 Remarks:017V060A\_4392