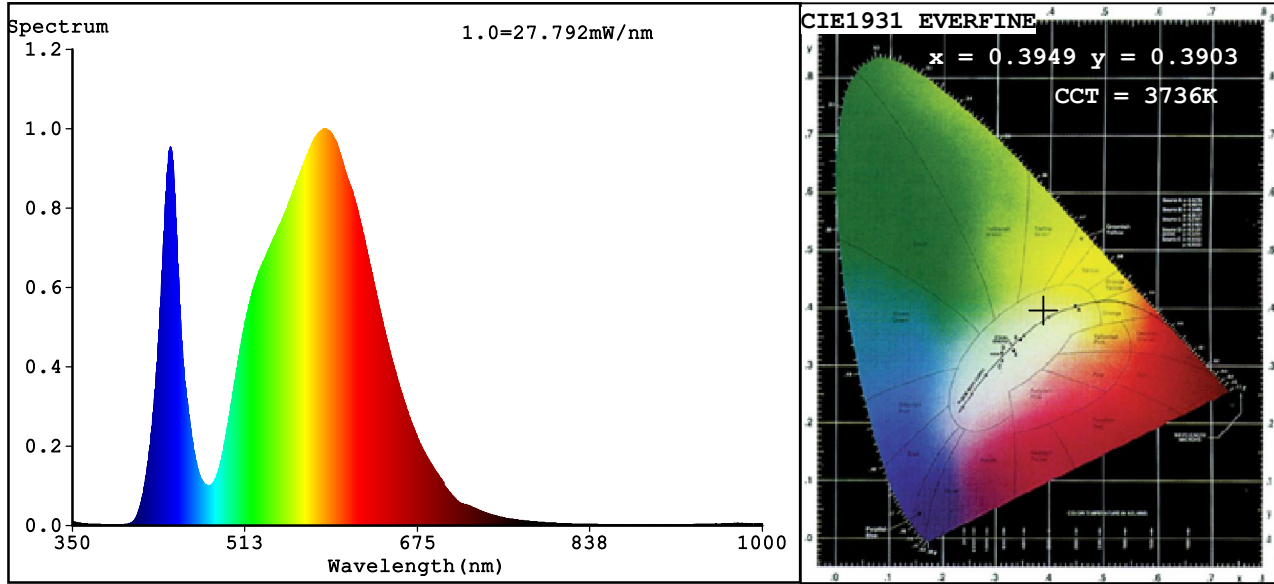


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3949$   $y=0.3903$   $u'=0.2291$   $v'=0.5095$   
 CCT=3736K(Duv=0.0023) Dominant WL:Ld =579.0nm Purity=35.7%  
 Ratio:R=17.6% G=80.4% B=2.0%;;Peak WL:Lp=587.5nm FWHM=131.5nm  
 Render Index:Ra=72.4  
 R1 =69 R2 =78 R3 =87 R4 =73 R5 =70 R6 =71 R7 =80  
 R8 =52 R9 =0 R10=50 R11=71 R12=49 R13=70 R14=92 R15=62

**Photo Parameters:**

Flux = 1512 lm Eff. : 80.54 lm/W Fe = 4.364 W

**Electrical parameters:**

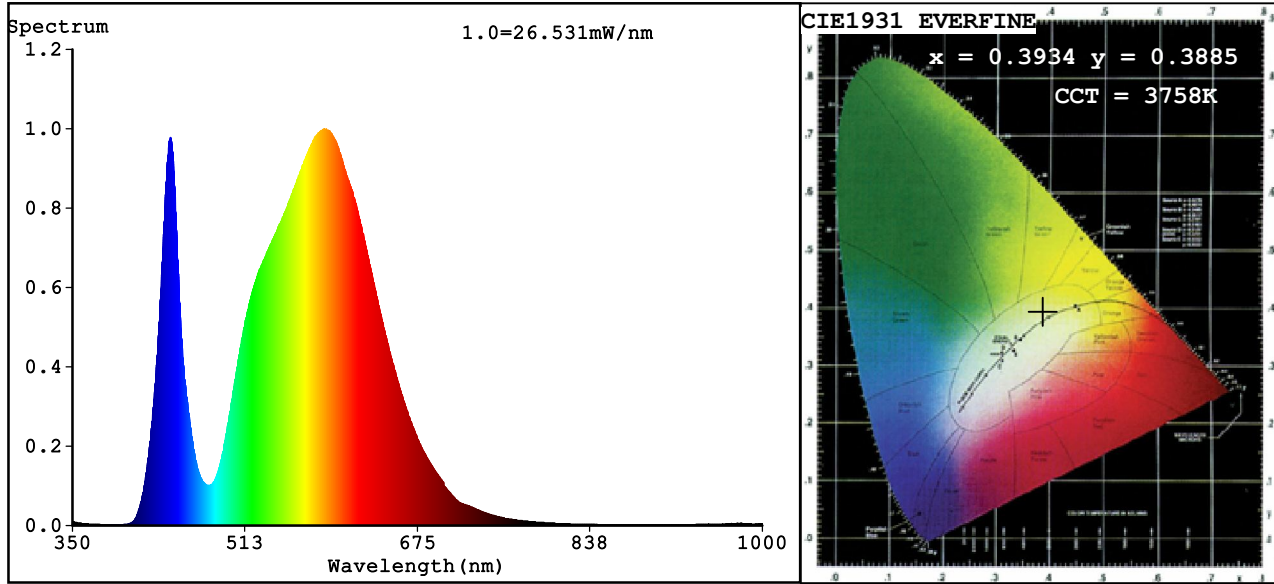
V = 219.99 V I = 0.1658 A P = 18.77 W PF = 0.5145

WHITE:ANSI\_4000K

Status: Integral T = 21 ms Ip = 41204 (63%)

Model:LED PANELS SQUARE STELLAR/18W	Number:99XLED634
Tester:Petya Marinova	Date:2016-12-06 09:22
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3934$   $y=0.3885$   $u'=0.2288$   $v'=0.5086$   
 CCT=3758K(Duv=0.0019) Dominant WL:Ld =579.1nm Purity=34.7%  
 Ratio:R=17.6% G=80.4% B=2.1%;;Peak WL:Lp=587.1nm FWHM=131.5nm  
 Render Index:Ra=72.5  
 R1 =70 R2 =78 R3 =86 R4 =73 R5 =70 R6 =71 R7 =80  
 R8 =52 R9 =0 R10=50 R11=71 R12=49 R13=70 R14=92 R15=62

**Photo Parameters:**

Flux = 1446 lm Eff. : 75.16 lm/W Fe = 4.182 W

**Electrical parameters:**

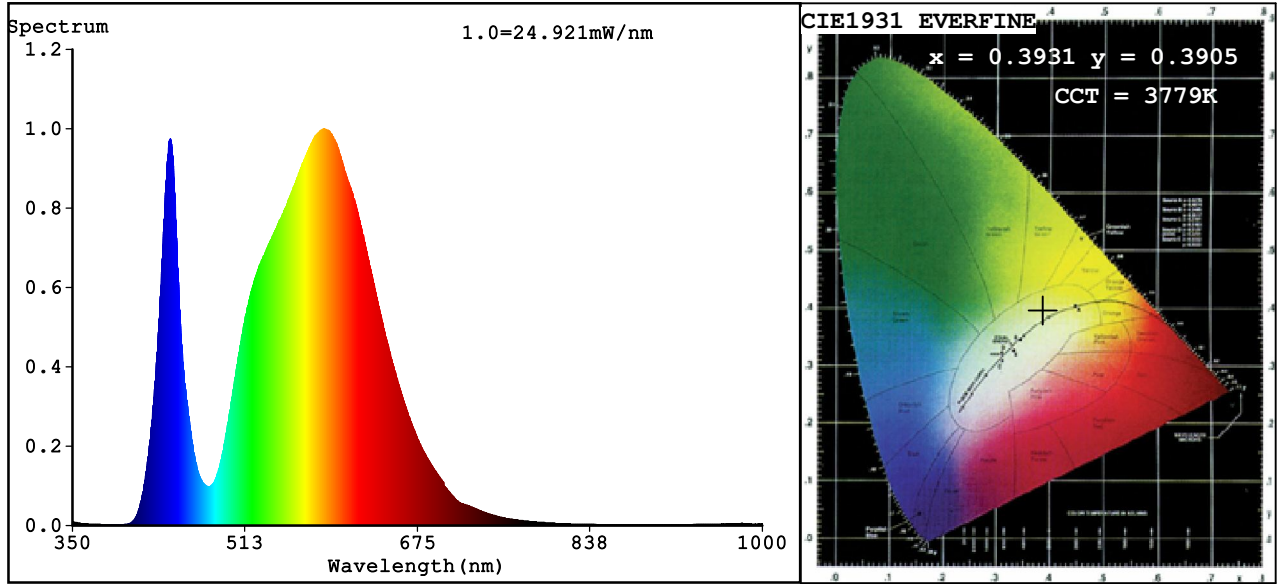
V = 219.93 V I = 0.1695 A P = 19.23 W PF = 0.5158

WHITE:ANSI\_4000K

Status: Integral T = 21 ms Ip = 39373 (60%)

Model:LED PANELS SQUARE STELLAR/18W	Number:99XLED634
Tester:Petya Marinova	Date:2016-12-06 09:36
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3931$   $y=0.3905$  /  $u'=0.2279$   $v'=0.5094$   
 CCT=3779K (Duv=0.0028) Dominant WL:Ld =578.6nm Purity=35.2%  
 Ratio:R=17.4% G=80.6% B=2.0%;; Peak WL:Lp=587.1nm FWHM=132.0nm  
 Render Index:Ra=72.2  
 R1 =69 R2 =78 R3 =86 R4 =73 R5 =69 R6 =70 R7 =80  
 R8 =52 R9 =0 R10=49 R11=71 R12=48 R13=70 R14=92 R15=62

**Photo Parameters:**

Flux = 1365 lm Eff. : 70.79 lm/W Fe = 3.934 W

**Electrical parameters:**

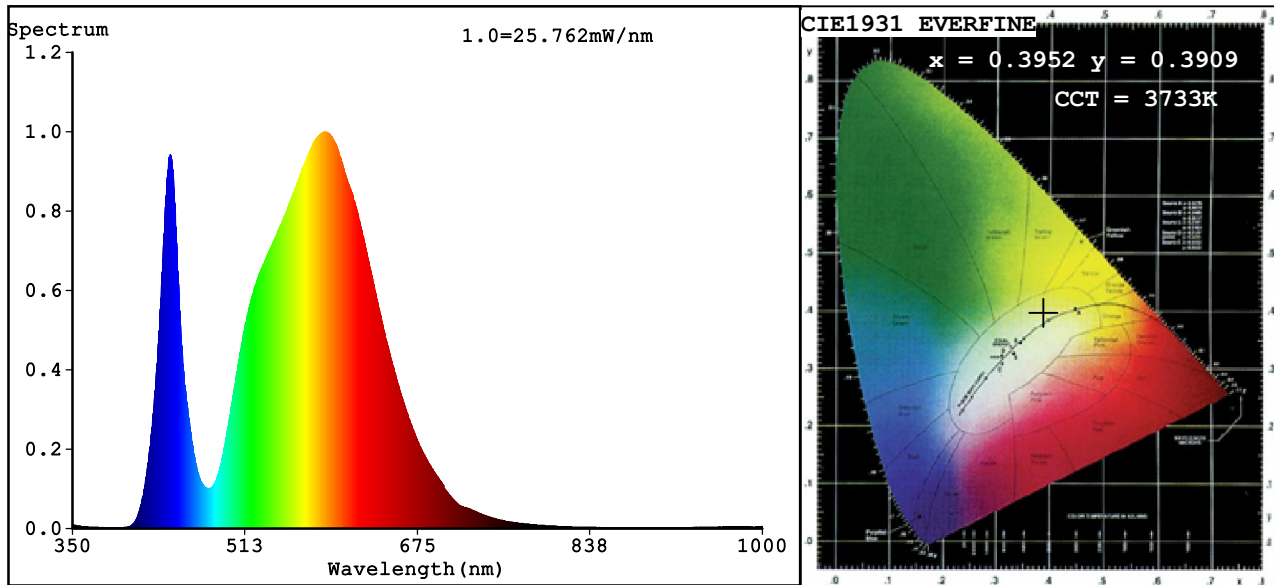
V = 220.03 V I = 0.1707 A P = 19.28 W PF = 0.5135

WHITE:ANSI\_4000K

Status: Integral T = 21 ms Ip = 37069 (57%)

Model:LED PANELS SQUARE STELLAR/18W	Number:99XLED634
Tester:Petya Marinova	Date:2016-12-06 09:41
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3952$   $y=0.3909$   $u'=0.2291$   $v'=0.5098$   
 CCT=3733K(Duv=0.0025) Dominant WL:Ld =579.0nm Purity=35.9%  
 Ratio:R=17.6% G=80.4% B=2.0%;;Peak WL:Lp=587.1nm FWHM=131.4nm  
 Render Index:Ra=72.4  
 R1 =69 R2 =78 R3 =87 R4 =73 R5 =70 R6 =70 R7 =80  
 R8 =52 R9 =0 R10=50 R11=70 R12=49 R13=70 R14=92 R15=62

**Photo Parameters:**

Flux = 1402 lm Eff. : 73.99 lm/W Fe = 4.043 W

**Electrical parameters:**

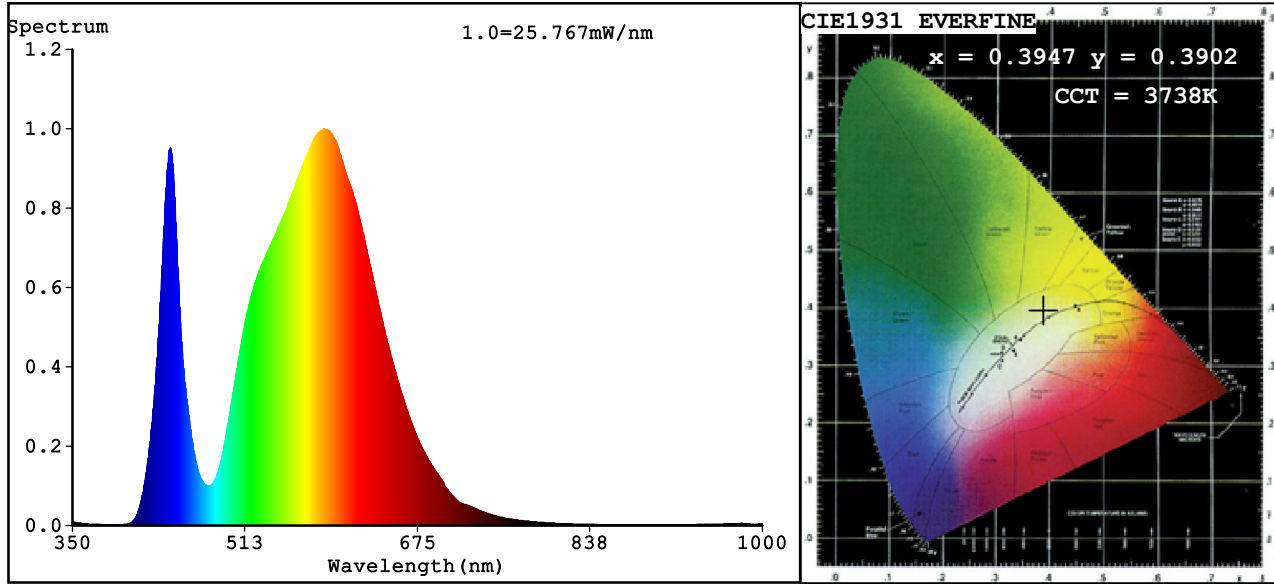
V = 219.92 V I = 0.1682 A P = 18.95 W PF = 0.5123

WHITE:ANSI\_4000K

Status: Integral T = 21 ms Ip = 38223 (58%)

Model:LED PANELS SQUARE STELLAR/18W	Number:99XLED634
Tester:Petya Marinova	Date:2016-12-06 09:56
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3947$   $y=0.3902$   $u'=0.2291$   $v'=0.5095$

CCT=3738K(Duv=0.0022) Dominant WL:Ld =579.0nm Purity=35.6%

Ratio:R=17.6% G=80.4% B=2.0%;;Peak WL:Lp=587.1nm FWHM=131.4nm

Render Index:Ra=72.4

R1 =69 R2 =78 R3 =87 R4 =73 R5 =70 R6 =70 R7 =80

R8 =52 R9 =0 R10=50 R11=71 R12=49 R13=70 R14=92 R15=62

**Photo Parameters:**

Flux = 1402 lm Eff. : 74.13 lm/W Fe = 4.049 W

**Electrical parameters:**

V = 219.93 V I = 0.1682 A P = 18.92 W PF = 0.5113

WHITE:ANSI\_4000K

Status: Integral T = 21 ms Ip = 38240 (58%)

Model:LED PANELS SQUARE STELLAR/18W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99XLED634  
Date:2016-12-06 10:20  
Humidity:65.0%  
Remarks:016V030A\_3181