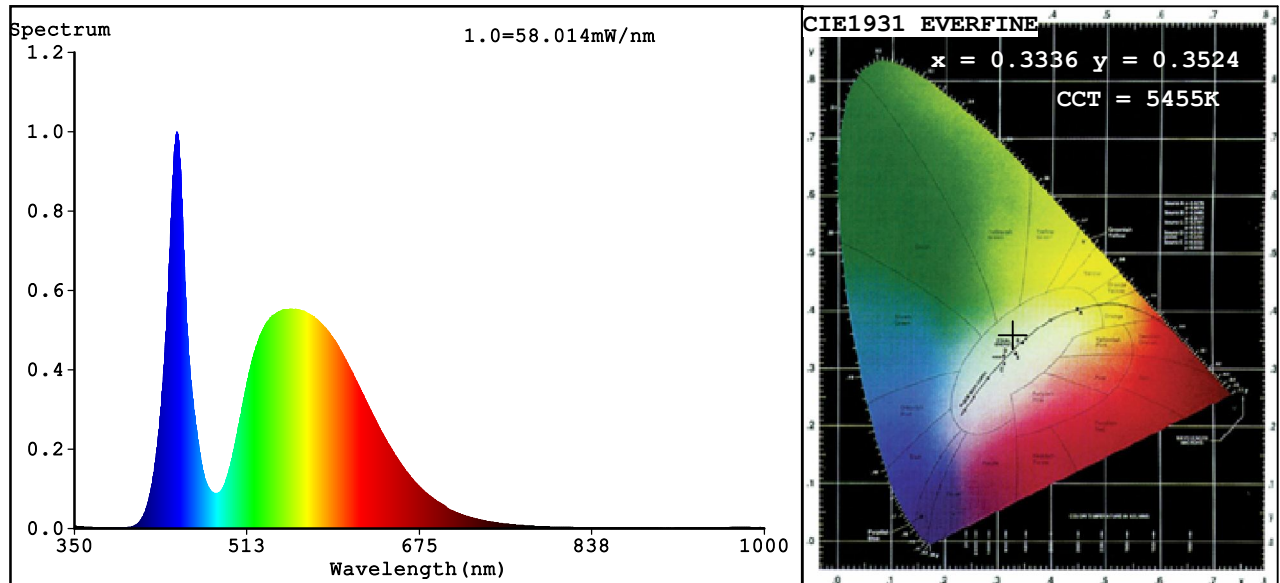


**Spectrum Test Report****Color Parameters:**Chromaticity Coordinate:  $x=0.3336$   $y=0.3524$   $u'=0.2034$   $v'=0.4834$ 

CCT=5455K(Duv=0.0052) Dominant WL:Ld =555.2nm Purity=5.9%

Ratio:R=13.2% G=83.8% B=3.0%;;Peak WL:Lp=446.6nm FWHM=19.7nm

Render Index:Ra=70.6

R1 =68 R2 =74 R3 =77 R4 =72 R5 =70 R6 =65 R7 =80

R8 =59 R9 =0 R10=38 R11=70 R12=40 R13=68 R14=87 R15=63

**Photo Parameters:**

Flux = 1920 lm Eff. : 99.61 lm/W Fe = 5.776 W

**Electrical parameters:**

V = 230.01 V I = 0.1414 A P = 19.27 W PF = 0.5925

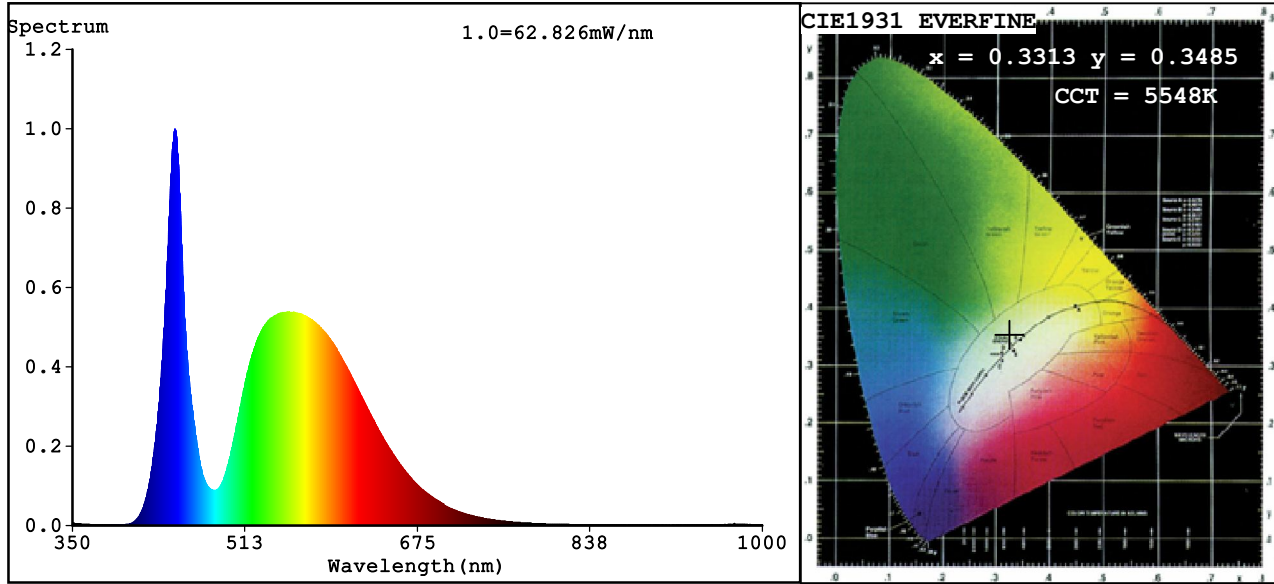
WHITE:ANSI\_5700K

Status: Integral T = 20 ms Ip = 49871 (76%)

---

Model:VEGASLIM/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARKNumber:98VEGA20SLIM  
Date:2018-04-13 15:34  
Humidity:65.0%  
Remarks:017V060B\_4394

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3313$   $y=0.3485$   $u'=0.2033$   $v'=0.4811$

CCT=5548K(Duv=0.0042) Dominant WL:Ld =547.5nm Purity=4.0%

Ratio:R=13.2% G=83.7% B=3.1%;;Peak WL:Lp=446.6nm FWHM=19.9nm

Render Index:Ra=71.0

R1 =69	R2 =74	R3 =77	R4 =73	R5 =70	R6 =65	R7 =80	
R8 =59	R9 =0	R10=38	R11=71	R12=41	R13=69	R14=87	R15=64

**Photo Parameters:**

Flux = 2026 lm Eff. : 106.85 lm/W Fe = 6.147 W

**Electrical parameters:**

V = 229.91 V I = 0.1390 A P = 18.96 W PF = 0.5932

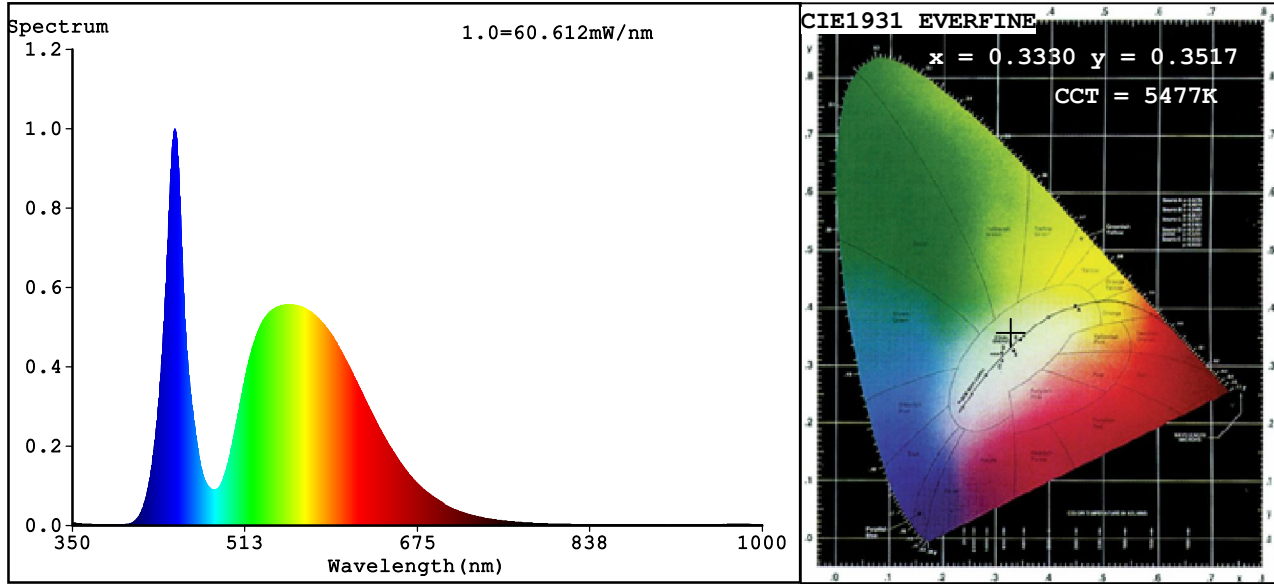
WHITE:ANSI\_5700K

Status: Integral T = 20 ms Ip = 54024 (82%)

Model:VEGASLIM/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98VEGA20SLIM  
Date:2018-04-13 15:48  
Humidity:65.0%  
Remarks:017V060B\_4394

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3330$   $y=0.3517$  /  $u'=0.2033$   $v'=0.4829$   
 CCT=5477K (Duv=0.0051) Dominant WL:Ld =553.7nm Purity=5.5%  
 Ratio:R=13.2% G=83.8% B=3.0%;; Peak WL:Lp=446.5nm FWHM=20.2nm  
 Render Index:Ra=70.6  
 R1 =69 R2 =74 R3 =77 R4 =72 R5 =70 R6 =65 R7 =80  
 R8 =59 R9 =0 R10=38 R11=70 R12=41 R13=68 R14=87 R15=63

**Photo Parameters:**

Flux = 2020 lm Eff. : 106.48 lm/W Fe = 6.092 W

**Electrical parameters:**

V = 229.93 V I = 0.1389 A P = 18.97 W PF = 0.5940

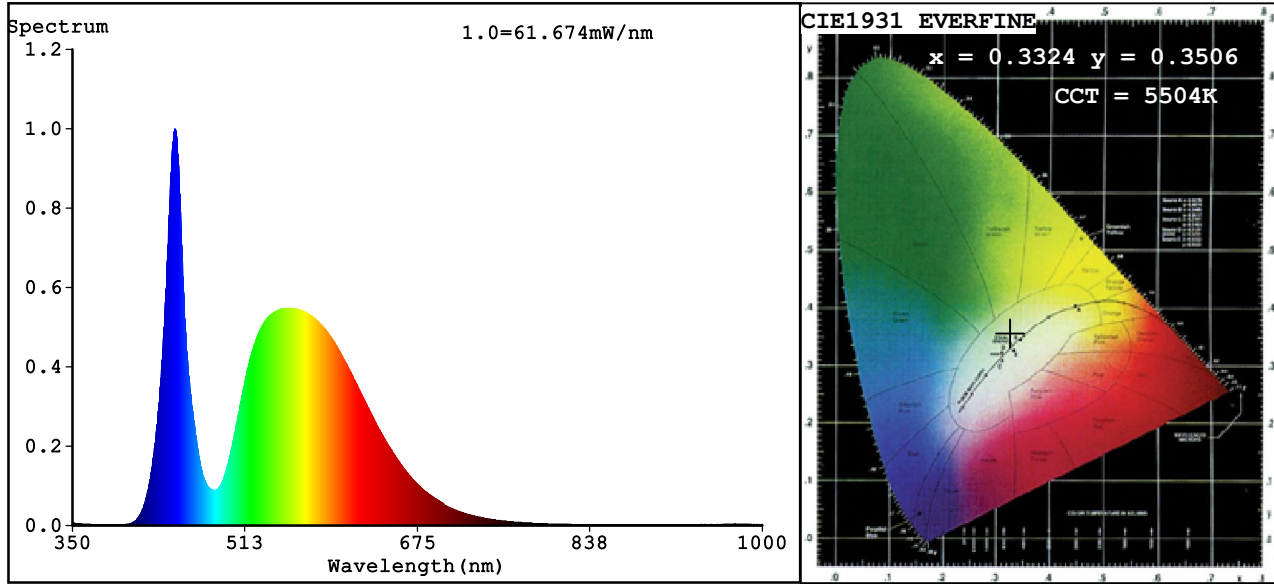
WHITE:ANSI\_5700K

Status: Integral T = 20 ms Ip = 52078 (79%)

Model:VEGASLIM/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98VEGA20SLIM  
 Date:2018-04-13 15:51  
 Humidity:65.0%  
 Remarks:017V060B\_4394

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3324$   $y=0.3506$   $u'=0.2032$   $v'=0.4823$   
 CCT=5504K(Duv=0.0049) Dominant WL:Ld =551.8nm Purity=5.0%  
 Ratio:R=13.2% G=83.8% B=3.1%;; Peak WL:Lp=446.6nm FWHM=19.9nm  
 Render Index:Ra=70.8  
 R1 =69 R2 =74 R3 =77 R4 =72 R5 =70 R6 =65 R7 =80  
 R8 =59 R9 =0 R10=38 R11=70 R12=41 R13=69 R14=87 R15=63

**Photo Parameters:**

Flux = 2022 lm Eff. : 105.38 lm/W Fe = 6.109 W

**Electrical parameters:**

V = 229.93 V I = 0.1403 A P = 19.19 W PF = 0.5947

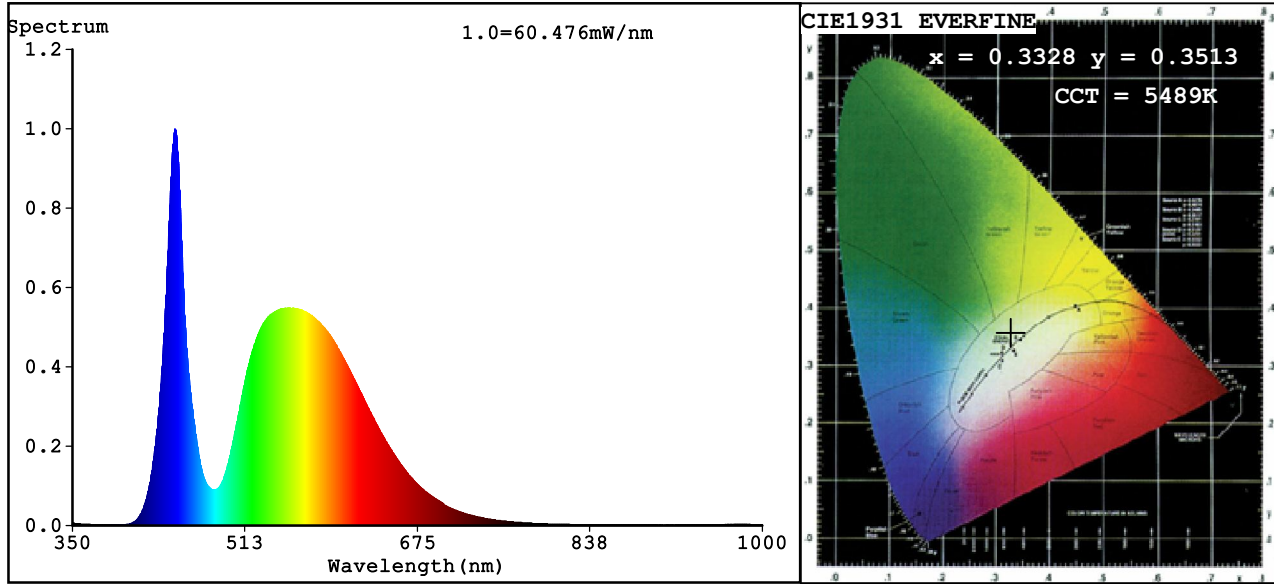
WHITE:ANSI\_5700K

Status: Integral T = 20 ms Ip = 53041 (81%)

Model:VEGASLIM/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98VEGA20SLIM  
 Date:2018-04-13 15:53  
 Humidity:65.0%  
 Remarks:017V060B\_4394

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3328$   $y=0.3513$   $u'=0.2032$   $v'=0.4827$   
 CCT=5489K(Duv=0.0050) Dominant WL:Ld =553.0nm Purity=5.3%  
 Ratio:R=13.2% G=83.7% B=3.1%;; Peak WL:Lp=446.6nm FWHM=19.7nm  
 Render Index:Ra=70.8  
 R1 =69 R2 =74 R3 =77 R4 =73 R5 =70 R6 =65 R7 =80  
 R8 =59 R9 =0 R10=38 R11=70 R12=41 R13=69 R14=87 R15=63

**Photo Parameters:**

Flux = 1986 lm Eff. : 102.38 lm/W Fe = 5.989 W

**Electrical parameters:**

V = 229.92 V I = 0.1419 A P = 19.40 W PF = 0.5945

WHITE:ANSI\_5700K

Status: Integral T = 20 ms Ip = 52054 (79%)

Model:VEGASLIM/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98VEGA20SLIM  
 Date:2018-04-13 15:55  
 Humidity:65.0%  
 Remarks:017V060B\_4394