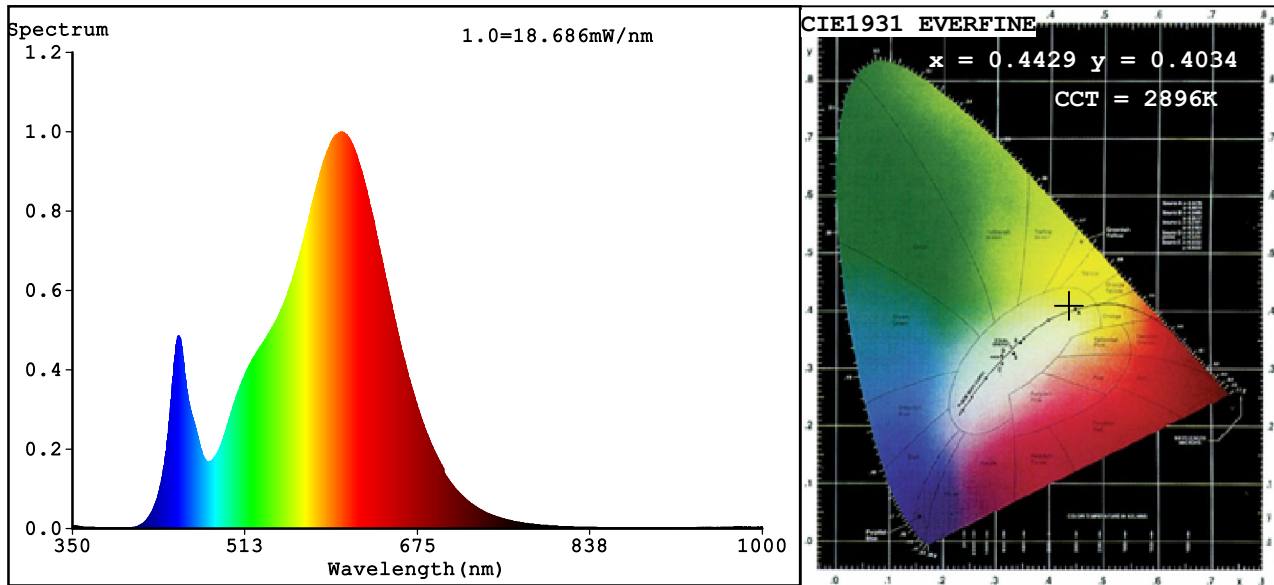


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4429$   $y=0.4034$   $u'=0.2548$   $v'=0.5220$

CCT=2896K(Duv=-0.0010) Dominant WL:Ld =583.6nm Purity=54.0%

Ratio:R=23.5% G=74.1% B=2.4%;;Peak WL:Lp=604.1nm FWHM=118.9nm

Render Index:Ra=81.4

R1 =80 R2 =91 R3 =96 R4 =79 R5 =80 R6 =89 R7 =81

R8 =56 R9 =2 R10=79 R11=79 R12=73 R13=82 R14=98 R15=72

**Photo Parameters:**

Flux = 884.8 lm Eff. : 95.24 lm/W Fe = 2.698 W

**Electrical parameters:**

V = 229.76 V I = 0.06956 A P = 9.290 W PF = 0.5812

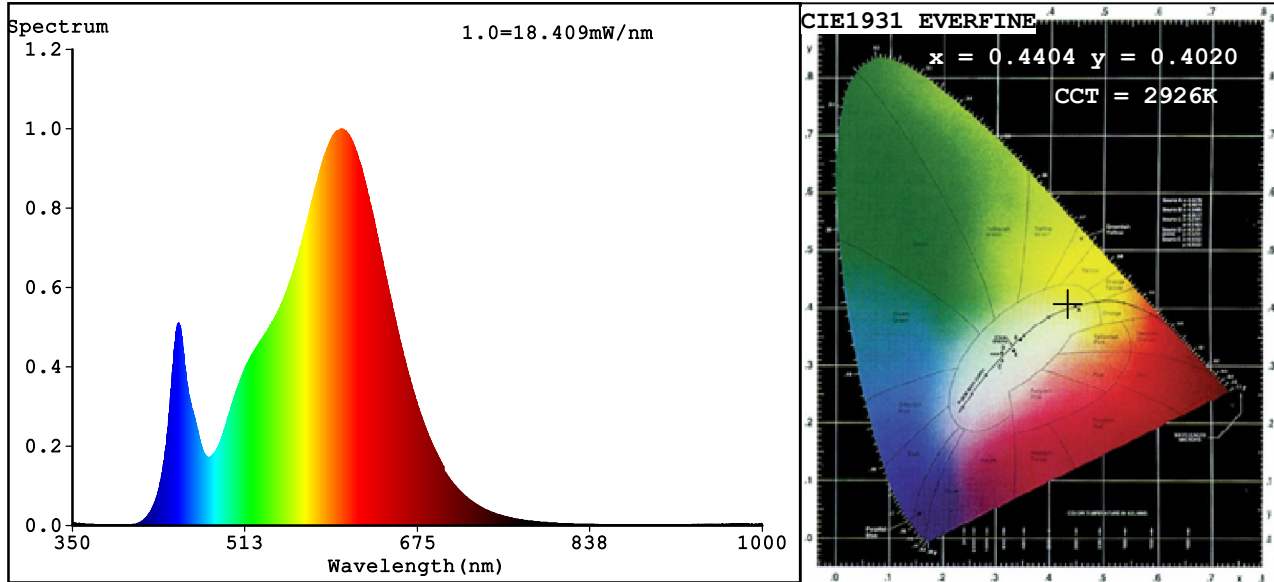
WHITE:ANSI\_3000K

Status: Integral T = 45 ms Ip = 42441 (65%)

Model:LED STICK/9W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED903  
Date:2018-05-11 13:22  
Humidity:65.0%  
Remarks:017A035\_4234

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4404$   $y=0.4020$  /  $u'=0.2537$   $v'=0.5211$   
 CCT=2926K (Duv=-0.0013) Dominant WL:Ld =583.6nm Purity=52.8%  
 Ratio:R=23.3% G=74.2% B=2.5%; Peak WL:Lp=604.1nm FWHM=120.1nm  
 Render Index:Ra=81.7  
 R1 =80 R2 =91 R3 =96 R4 =79 R5 =81 R6 =89 R7 =81  
 R8 =56 R9 =3 R10=80 R11=79 R12=73 R13=83 R14=98 R15=72

**Photo Parameters:**

Flux = 876.7 lm Eff. : 96.87 lm/W Fe = 2.673 W

**Electrical parameters:**

V = 229.87 V I = 0.06847 A P = 9.051 W PF = 0.5750

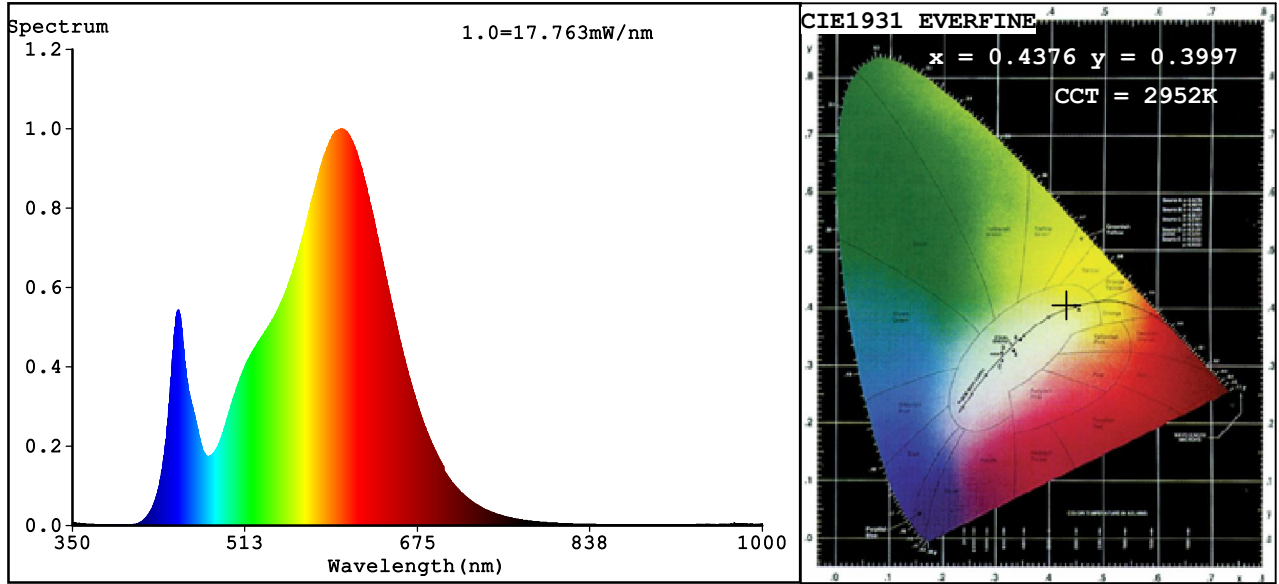
WHITE:ANSI\_3000K

Status: Integral T = 45 ms Ip = 41831 (64%)

Model:LED STICK/9W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED903  
 Date:2018-05-11 13:25  
 Humidity:65.0%  
 Remarks:017A035\_4234

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4376$   $y=0.3997$   $u'=0.2529$   $v'=0.5198$

CCT=2952K(Duv=-0.0018) Dominant WL:Ld =583.7nm Purity=51.3%

Ratio:R=23.2% G=74.3% B=2.5%;;Peak WL:Lp=602.8nm FWHM=121.2nm

Render Index:Ra=81.9

R1 =80	R2 =91	R3 =96	R4 =80	R5 =81	R6 =89	R7 =81	
R8 =57	R9 =4	R10=80	R11=79	R12=73	R13=83	R14=98	R15=73

**Photo Parameters:**

Flux = 850.6 lm Eff. : 97.13 lm/W Fe = 2.599 W

**Electrical parameters:**

V = 229.83 V I = 0.06648 A P = 8.757 W PF = 0.5731

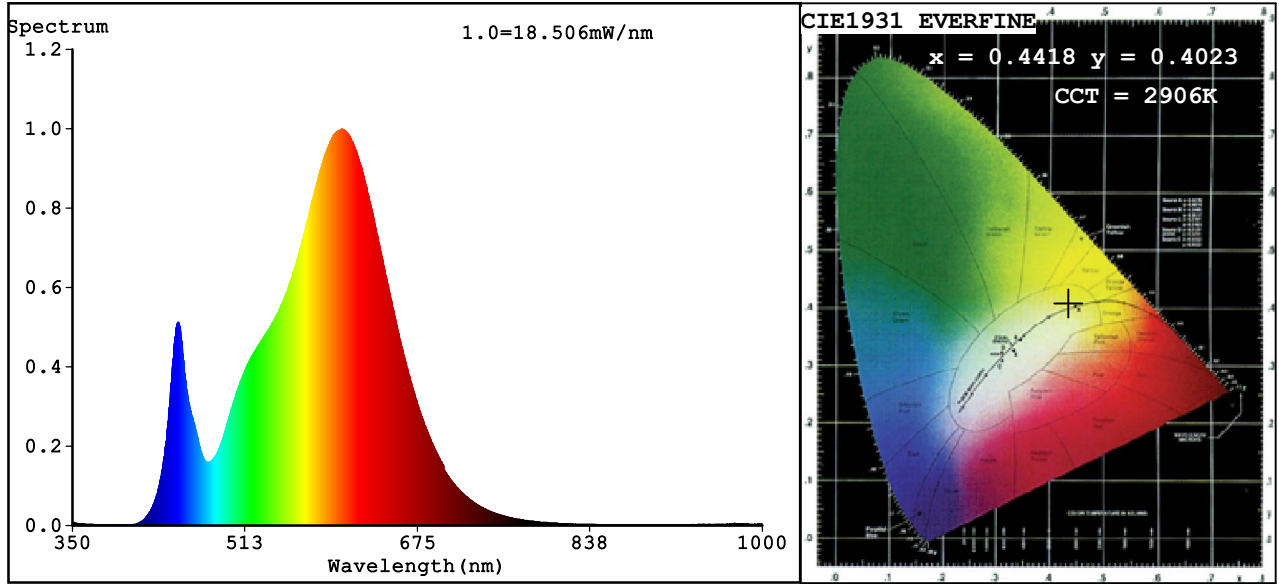
WHITE:ANSI\_3000K

Status: Integral T = 45 ms Ip = 40381 (62%)

Model:LED STICK/9W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED903  
Date:2018-05-11 13:28  
Humidity:65.0%  
Remarks:017A035\_4234

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4418$   $y=0.4023$   $u'=0.2545$   $v'=0.5214$   
 CCT=2906K(Duv=-0.0013) Dominant WL:Ld =583.7nm Purity=53.4%  
 Ratio:R=23.4% G=74.2% B=2.4%;;Peak WL:Lp=604.1nm FWHM=119.7nm  
 Render Index:Ra=81.5  
 R1 =80 R2 =90 R3 =96 R4 =79 R5 =80 R6 =89 R7 =81  
 R8 =56 R9 =2 R10=79 R11=79 R12=72 R13=82 R14=98 R15=72

**Photo Parameters:**

Flux = 878.6 lm Eff. : 96.51 lm/W Fe = 2.681 W

**Electrical parameters:**

V = 229.85 V I = 0.06859 A P = 9.104 W PF = 0.5774

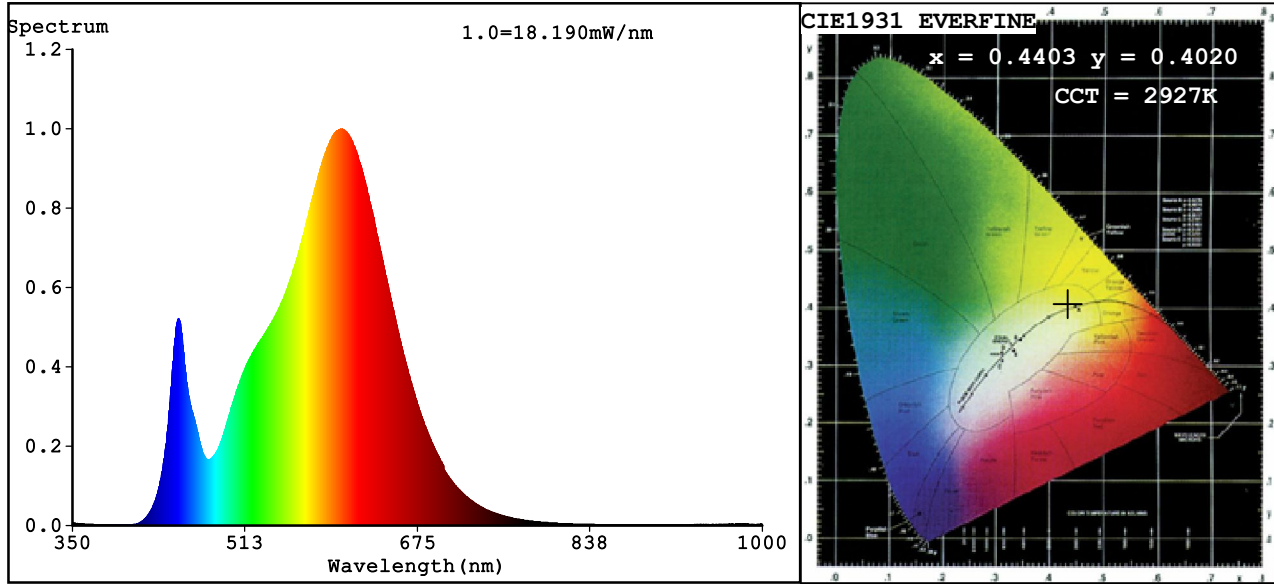
WHITE:ANSI\_3000K

Status: Integral T = 45 ms Ip = 42006 (64%)

Model:LED STICK/9W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED903  
 Date:2018-05-11 13:29  
 Humidity:65.0%  
 Remarks:017A035\_4234

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4403$   $y=0.4020$  /  $u'=0.2537$   $v'=0.5211$   
 CCT=2927K (Duv=-0.0013) Dominant WL:Ld =583.6nm Purity=52.8%  
 Ratio:R=23.3% G=74.3% B=2.4%; Peak WL:Lp=604.1nm FWHM=121.0nm  
 Render Index:Ra=81.6  
 R1 =80 R2 =91 R3 =96 R4 =79 R5 =80 R6 =89 R7 =81  
 R8 =57 R9 =3 R10=79 R11=79 R12=72 R13=82 R14=98 R15=72

**Photo Parameters:**

Flux = 868.4 lm Eff. : 95.33 lm/W Fe = 2.649 W

**Electrical parameters:**

V = 229.85 V I = 0.06861 A P = 9.110 W PF = 0.5777

WHITE:ANSI\_3000K

Status: Integral T = 45 ms Ip = 41295 (63%)

Model:LED STICK/9W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED903  
 Date:2018-05-11 13:31  
 Humidity:65.0%  
 Remarks:017A035\_4234