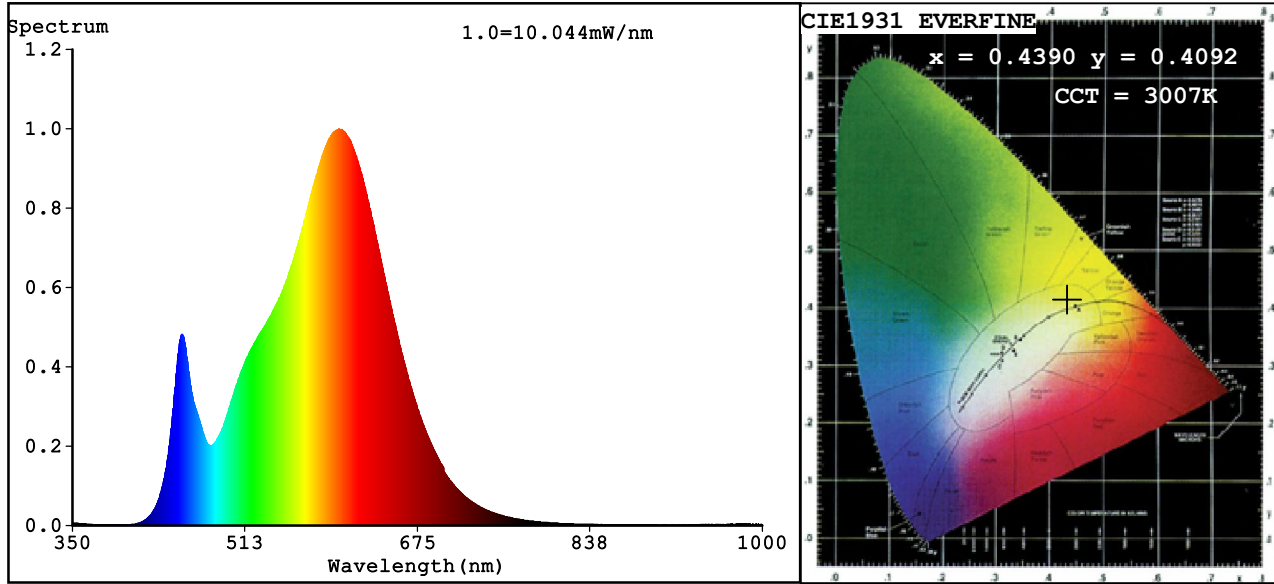


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4390$   $y=0.4092$   $u'=0.2497$   $v'=0.5237$

CCT=3007K(Duv=0.0017) Dominant WL:Ld =582.2nm Purity=54.6%

Ratio:R=22.5% G=74.9% B=2.6%;;Peak WL:Lp=601.4nm FWHM=124.2nm

Render Index:Ra=81.0

R1 =79 R2 =90 R3 =96 R4 =78 R5 =79 R6 =88 R7 =82

R8 =56 R9 =0 R10=78 R11=77 R12=68 R13=82 R14=98 R15=71

**Photo Parameters:**

Flux = 490.4 lm Eff. : 72.69 lm/W Fe = 1.468 W

**Electrical parameters:**

V = 230.00 V I = 0.04957 A P = 6.746 W PF = 0.5918

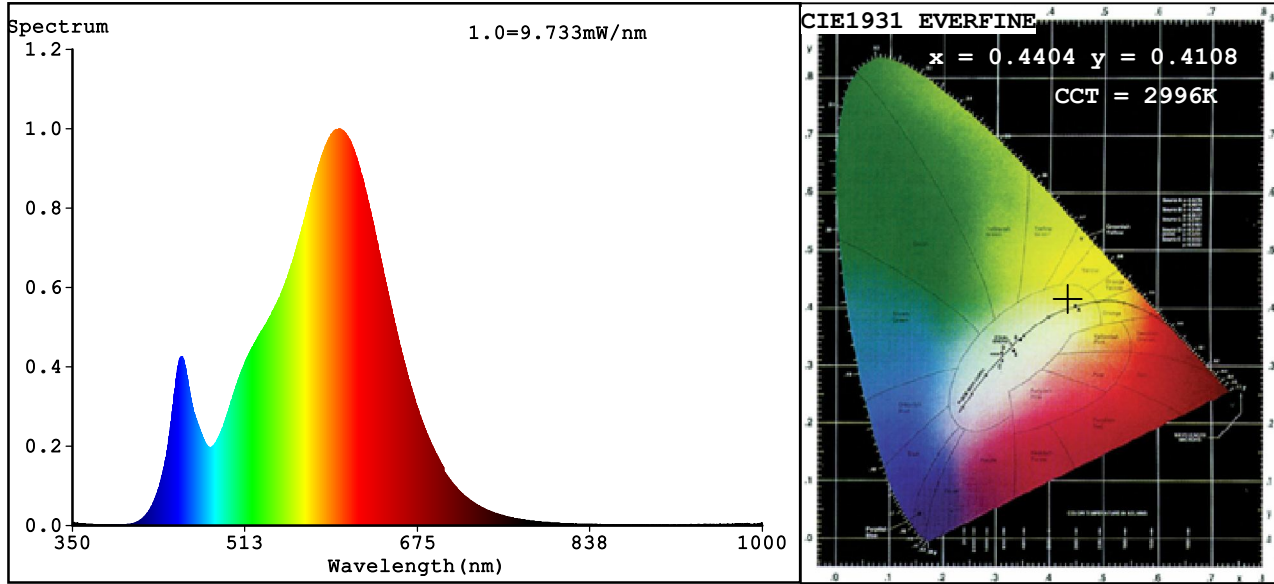
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 39299 (60%)

Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 11:43  
Humidity:65.0%  
Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4404$   $y=0.4108$   $u'=0.2500$   $v'=0.5245$   
 CCT=2996K(Duv=0.0022) Dominant WL:Ld =582.1nm Purity=55.5%  
 Ratio:R=22.5% G=75.0% B=2.5%;;Peak WL:Lp=601.1nm FWHM=123.9nm  
 Render Index:Ra=80.7  
 R1 =78 R2 =90 R3 =96 R4 =78 R5 =79 R6 =88 R7 =82  
 R8 =55 R9 =0 R10=77 R11=77 R12=69 R13=81 R14=98 R15=70

**Photo Parameters:**

Flux = 475.2 lm Eff. : 68.70 lm/W Fe = 1.420 W

**Electrical parameters:**

V = 230.01 V I = 0.05091 A P = 6.917 W PF = 0.5908

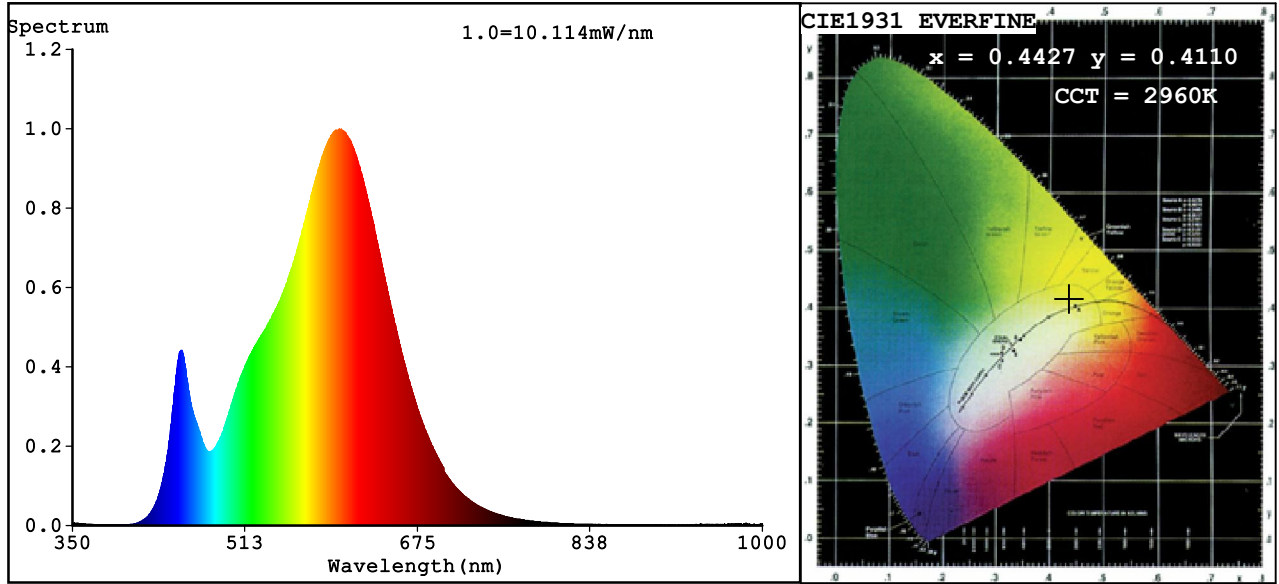
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 38114 (58%)

Model:LEDSMD/6.5W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED730  
 Date:2018-06-25 12:41  
 Humidity:65.0%  
 Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4427$   $y=0.4110$  /  $u'=0.2513$   $v'=0.5249$   
 CCT=2960K (Duv=0.0019) Dominant WL:Ld =582.3nm Purity=56.3%  
 Ratio:R=22.7% G=74.8% B=2.5%; Peak WL:Lp=601.5nm FWHM=121.9nm  
 Render Index:Ra=80.5  
 R1 =78 R2 =90 R3 =96 R4 =78 R5 =78 R6 =88 R7 =82  
 R8 =55 R9 =0 R10=77 R11=76 R12=68 R13=81 R14=98 R15=70

**Photo Parameters:**

Flux = 489.2 lm Eff. : 71.61 lm/W Fe = 1.461 W

**Electrical parameters:**

V = 229.99 V I = 0.05027 A P = 6.832 W PF = 0.5910

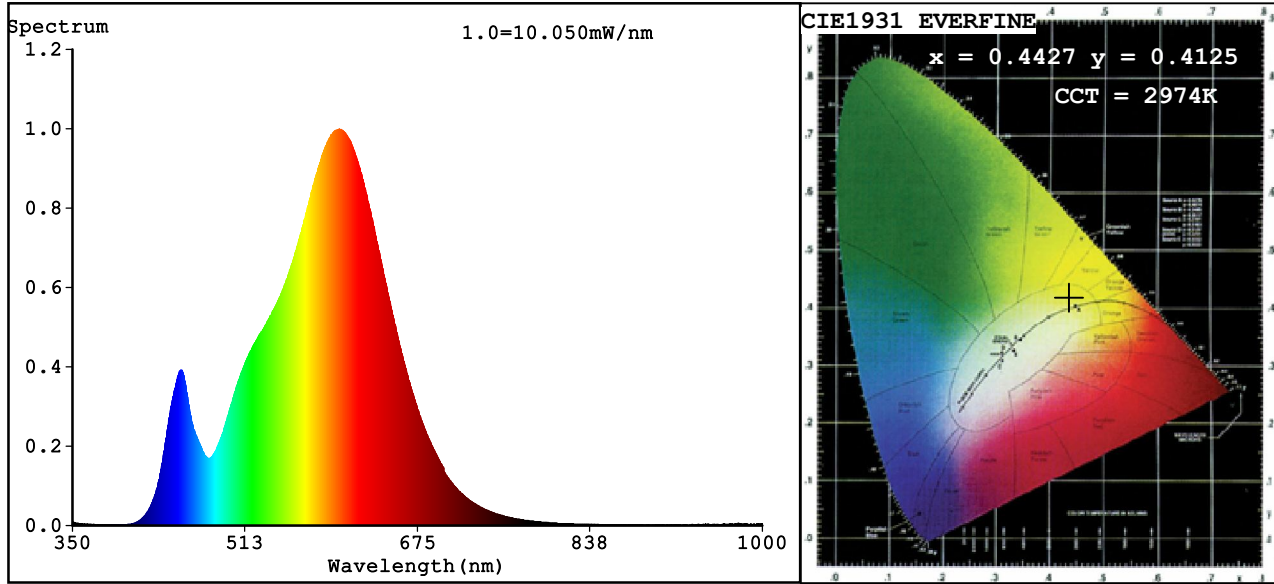
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 39632 (60%)

Model:LEDSMD/6.5W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED730  
 Date:2018-06-25 12:43  
 Humidity:65.0%  
 Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4427$   $y=0.4125$   $u'=0.2506$   $v'=0.5255$

CCT=2974K(Duv=0.0026) Dominant WL:Ld =582.1nm Purity=56.7%

Ratio:R=22.5% G=75.1% B=2.3%;;Peak WL:Lp=601.4nm FWHM=123.8nm

Render Index:Ra=80.3

R1 =78	R2 =89	R3 =97	R4 =78	R5 =78	R6 =86	R7 =82	
R8 =55	R9 =0	R10=74	R11=77	R12=68	R13=80	R14=99	R15=69

**Photo Parameters:**

Flux = 489.4 lm Eff. : 71.20 lm/W Fe = 1.455 W

**Electrical parameters:**

V = 229.98 V I = 0.05064 A P = 6.874 W PF = 0.5902

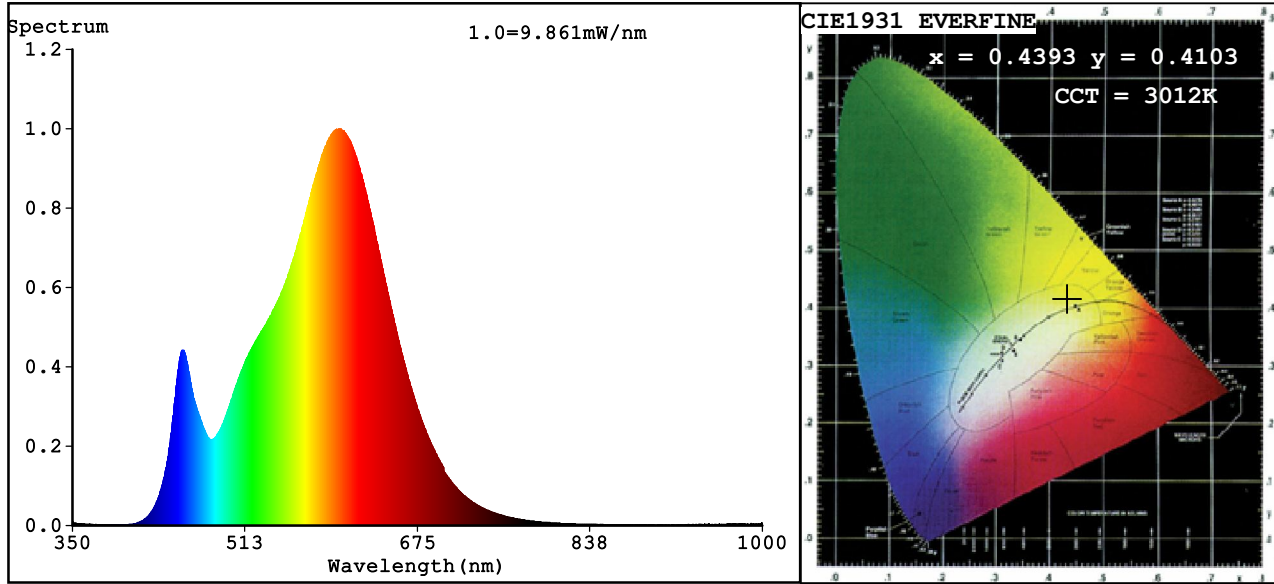
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 39323 (60%)

Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 12:44  
Humidity:65.0%  
Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4393$   $y=0.4103$   $u'=0.2494$   $v'=0.5242$

CCT=3012K(Duv=0.0022) Dominant WL:Ld =582.0nm Purity=55.0%

Ratio:R=22.4% G=74.9% B=2.6%;;Peak WL:Lp=602.8nm FWHM=124.1nm

Render Index:Ra=80.9

R1 =79 R2 =90 R3 =96 R4 =78 R5 =79 R6 =88 R7 =82

R8 =55 R9 =0 R10=78 R11=76 R12=69 R13=81 R14=98 R15=70

**Photo Parameters:**

Flux = 482.5 lm Eff. : 69.32 lm/W Fe = 1.443 W

**Electrical parameters:**

V = 229.99 V I = 0.05128 A P = 6.960 W PF = 0.5901

WHITE:ANSI\_3000K

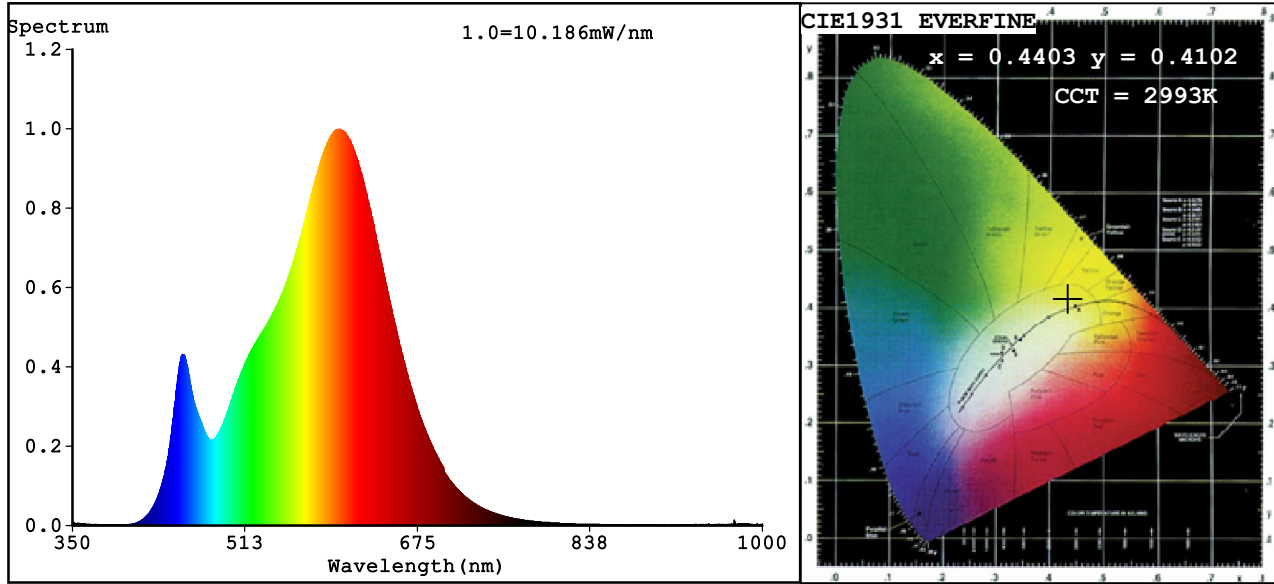
Status: Integral T = 62 ms Ip = 38615 (59%)

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Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 12:48  
Humidity:65.0%  
Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4403$   $y=0.4102/u'=0.2501$   $v'=0.5243$   
CCT=2993K(Duv=0.0020) Dominant WL:Ld =582.2nm Purity=55.3%  
Ratio:R=22.6% G=74.8% B=2.6%;;Peak WL:Lp=601.4nm FWHM=123.1nm  
Render Index:Ra=81.0  
R1 =79    R2 =91    R3 =96    R4 =78    R5 =79    R6 =89    R7 =82  
R8 =55    R9 =0    R10=79    R11=77    R12=70    R13=82    R14=98    R15=71

**Photo Parameters:**

Flux = 495.5 lm    Eff. : 69.06 lm/W    Fe = 1.485 W

**Electrical parameters:**

V = 230.03 V    I = 0.05252 A    P = 7.175 W PF = 0.5939

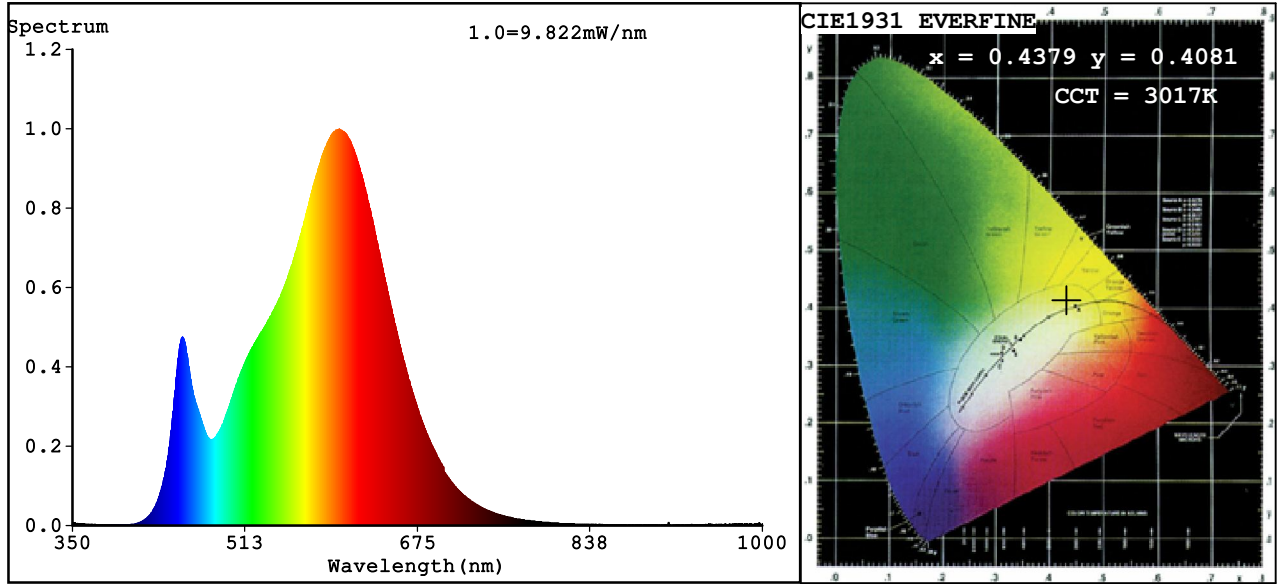
WHITE:ANSI\_3000K

Status: Integral T = 62 ms    Ip = 39881 (61%)

Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 12:49  
Humidity:65.0%  
Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4379$   $y=0.4081$  /  $u'=0.2495$   $v'=0.5231$   
 CCT=3017K (Duv=0.0015) Dominant WL:Ld =582.2nm Purity=53.9%  
 Ratio:R=22.5% G=74.8% B=2.7%;; Peak WL:Lp=601.4nm FWHM=124.0nm  
 Render Index:Ra=81.1  
 R1 =79 R2 =91 R3 =96 R4 =78 R5 =79 R6 =89 R7 =82  
 R8 =56 R9 =0 R10=79 R11=77 R12=69 R13=82 R14=98 R15=71

**Photo Parameters:**

Flux = 479.6 lm Eff. : 68.94 lm/W Fe = 1.440 W

**Electrical parameters:**

V = 230.02 V I = 0.05126 A P = 6.957 W PF = 0.5901

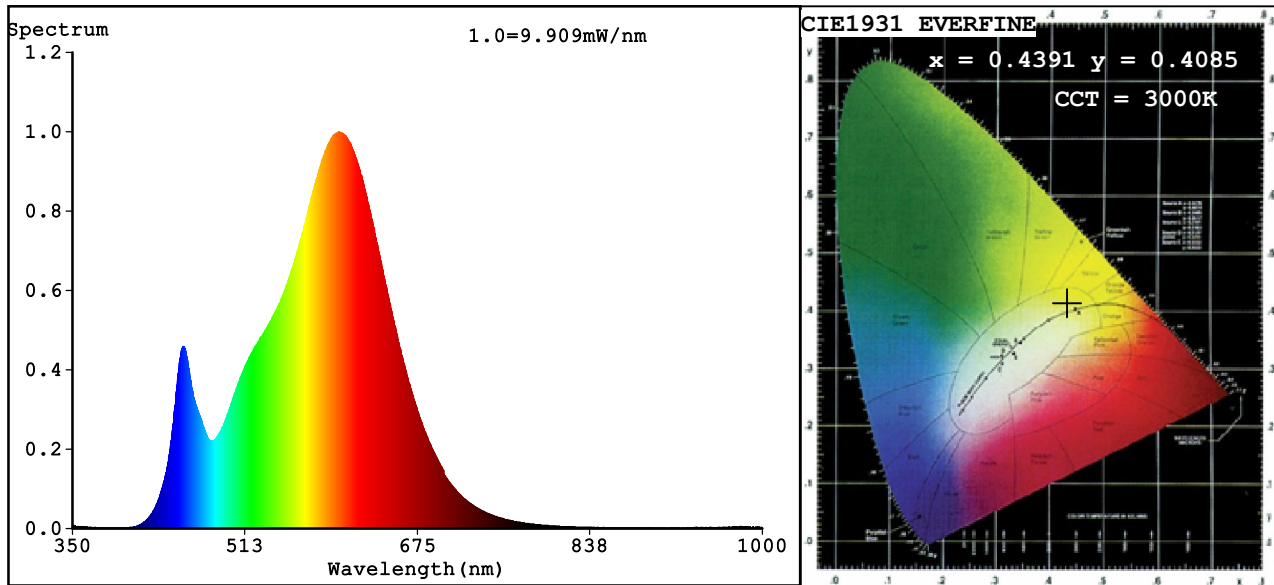
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 38385 (59%)

Model:LEDSMD/6.5W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED730  
 Date:2018-06-25 12:50  
 Humidity:65.0%  
 Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4391$   $y=0.4085$   $u'=0.2501$   $v'=0.5234$

CCT=3000K(Duv=0.0015) Dominant WL:Ld =582.3nm Purity=54.4%

Ratio:R=22.6% G=74.7% B=2.7%;;Peak WL:Lp=601.4nm FWHM=123.0nm

Render Index:Ra=81.2

R1 =79 R2 =91 R3 =95 R4 =78 R5 =80 R6 =89 R7 =81

R8 =56 R9 =0 R10=80 R11=77 R12=70 R13=82 R14=98 R15=71

**Photo Parameters:**

Flux = 482.1 lm Eff. : 70.32 lm/W Fe = 1.450 W

**Electrical parameters:**

V = 230.00 V I = 0.05038 A P = 6.856 W PF = 0.5916

WHITE:ANSI\_3000K

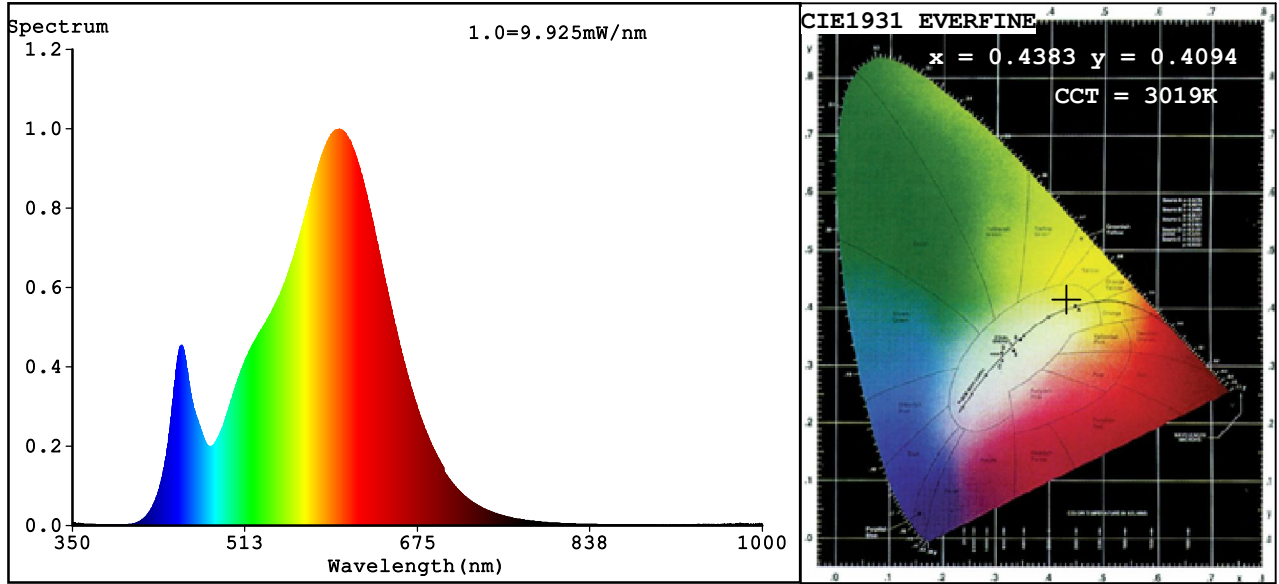
Status: Integral T = 62 ms Ip = 38808 (59%)

Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 12:52  
Humidity:65.0%  
Remarks:017V077B\_4535



**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4383$   $y=0.4094$  /  $u'=0.2492$   $v'=0.5237$   
 CCT=3019K (Duv=0.0019) Dominant WL:Ld =582.1nm Purity=54.5%  
 Ratio:R=22.4% G=75.1% B=2.6%; Peak WL:Lp=601.4nm FWHM=124.9nm  
 Render Index:Ra=80.8  
 R1 =79 R2 =90 R3 =96 R4 =78 R5 =79 R6 =88 R7 =82  
 R8 =56 R9 =0 R10=77 R11=77 R12=69 R13=81 R14=98 R15=70

**Photo Parameters:**

Flux = 486.6 lm Eff. : 71.06 lm/W Fe = 1.455 W

**Electrical parameters:**

V = 230.01 V I = 0.05026 A P = 6.849 W PF = 0.5925

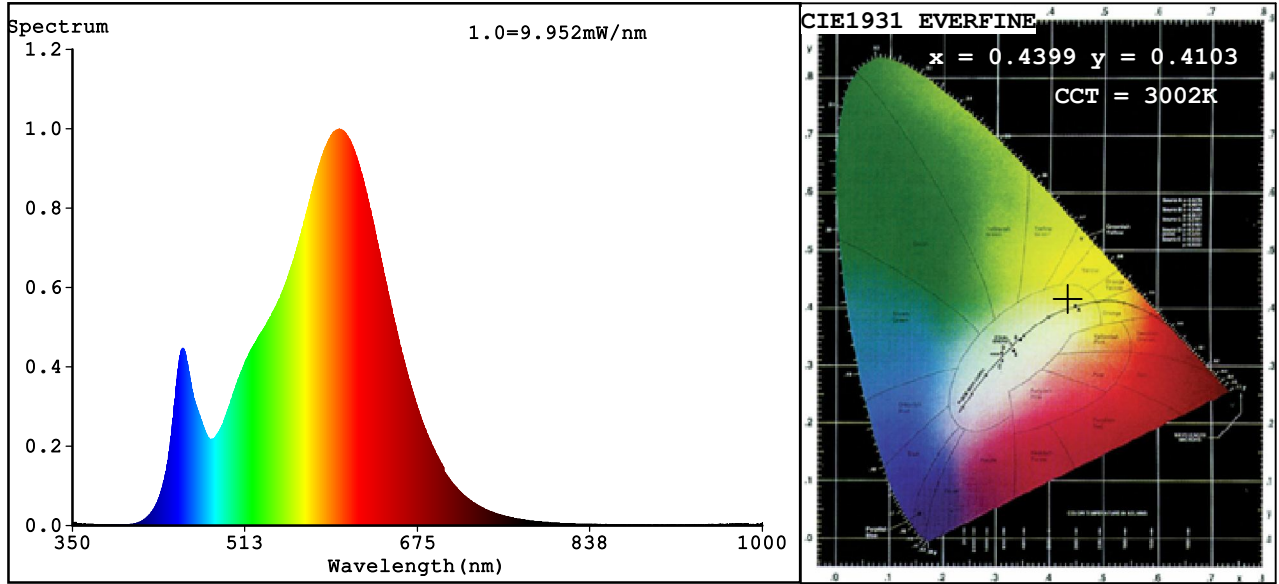
WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 38815 (59%)

Model:LEDSMD/6.5W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED730  
 Date:2018-06-25 12:54  
 Humidity:65.0%  
 Remarks:017V077B\_4535

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4399$   $y=0.4103$   $u'=0.2498$   $v'=0.5243$   
CCT=3002K(Duv=0.0021) Dominant WL:Ld =582.1nm Purity=55.2%  
Ratio:R=22.5% G=74.8% B=2.7%;;Peak WL:Lp=601.4nm FWHM=123.7nm  
Render Index:Ra=81.1  
R1 =79 R2 =91 R3 =95 R4 =78 R5 =79 R6 =89 R7 =82  
R8 =56 R9 =0 R10=79 R11=77 R12=69 R13=82 R14=98 R15=71

**Photo Parameters:**

Flux = 485.2 lm Eff. : 69.05 lm/W Fe = 1.453 W

**Electrical parameters:**

V = 230.00 V I = 0.05145 A P = 7.027 W PF = 0.5938

WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 38954 (59%)

Model:LEDSMD/6.5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED730  
Date:2018-06-25 12:56  
Humidity:65.0%  
Remarks:017V077B\_4535