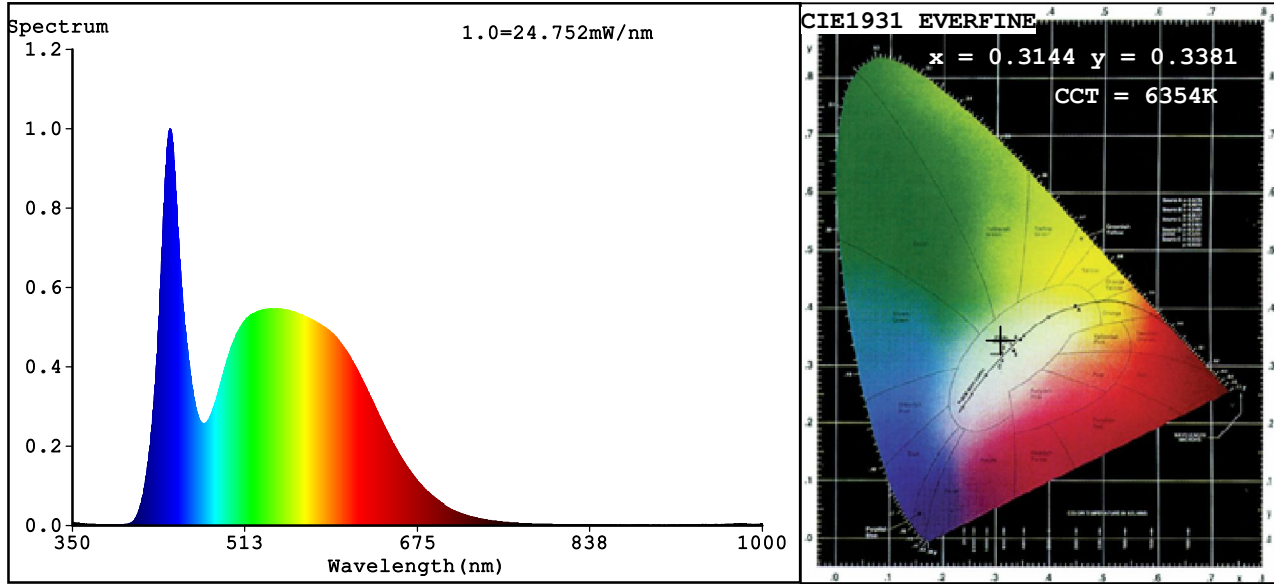


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3144$   $y=0.3381/u'=0.1957$   $v'=0.4733$   
 CCT=6354K(Duv=0.0069) Dominant WL:Ld =494.9nm Purity=6.1%  
 Ratio:R=13.3% G=81.4% B=5.3%;;Peak WL:Lp=441.8nm FWHM=25.0nm  
 Render Index:Ra=82.3  
 R1 =80 R2 =84 R3 =89 R4 =84 R5 =83 R6 =81 R7 =87  
 R8 =71 R9 =6 R10=64 R11=85 R12=70 R13=80 R14=94 R15=74

**Photo Parameters:**

Flux = 881.8 lm Eff. : 86.78 lm/W Fe = 2.869 W

**Electrical parameters:**

V = 229.95 V I = 0.07999 A P = 10.16 W PF = 0.5525

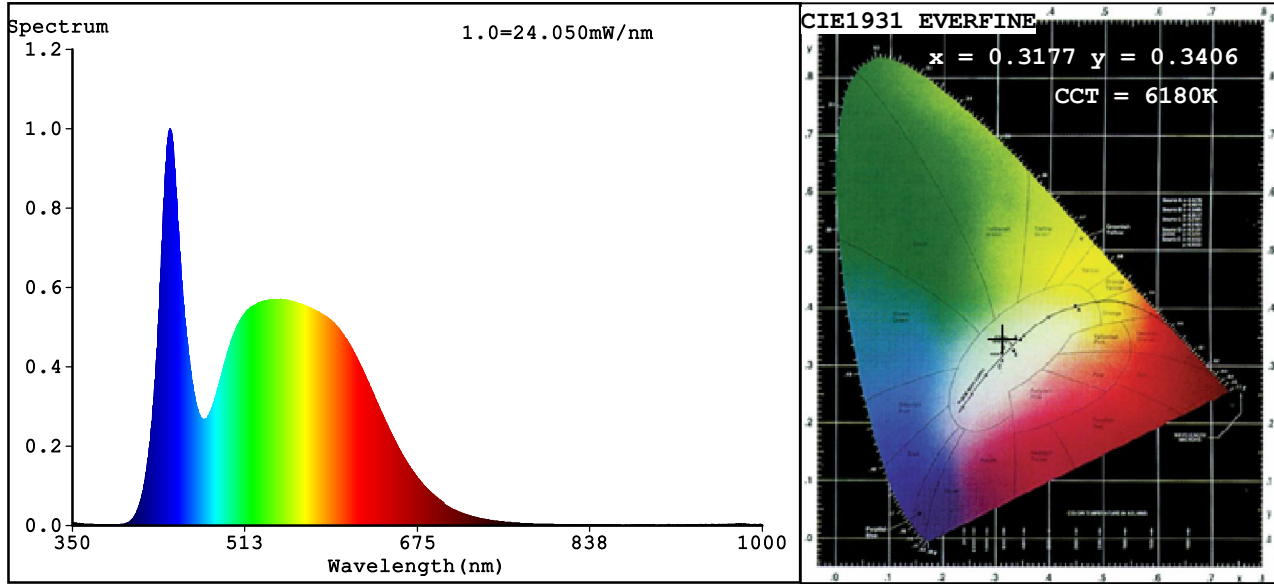
WHITE:ANSI\_6500K

Status: Integral T = 46 ms Ip = 48552 (74%)

Model:LED TUBE T8/10W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED351  
 Date:2017-09-07 14:10  
 Humidity:65.0%  
 Remarks:27Q39117049\_3874

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3177$   $y=0.3406$   $u'=0.1970$   $v'=0.4751$   
 CCT=6180K(Duv=0.0066) Dominant WL:Ld =497.8nm Purity=4.9%  
 Ratio:R=13.6% G=81.2% B=5.2%;;Peak WL:Lp=441.8nm FWHM=25.9nm  
 Render Index:Ra=82.5  
 R1 =81 R2 =84 R3 =89 R4 =84 R5 =83 R6 =82 R7 =87  
 R8 =71 R9 =7 R10=65 R11=85 R12=71 R13=81 R14=94 R15=74

**Photo Parameters:**

Flux = 898.8 lm Eff. : 89.28 lm/W Fe = 2.914 W

**Electrical parameters:**

V = 229.93 V I = 0.07973 A P = 10.07 W PF = 0.5491

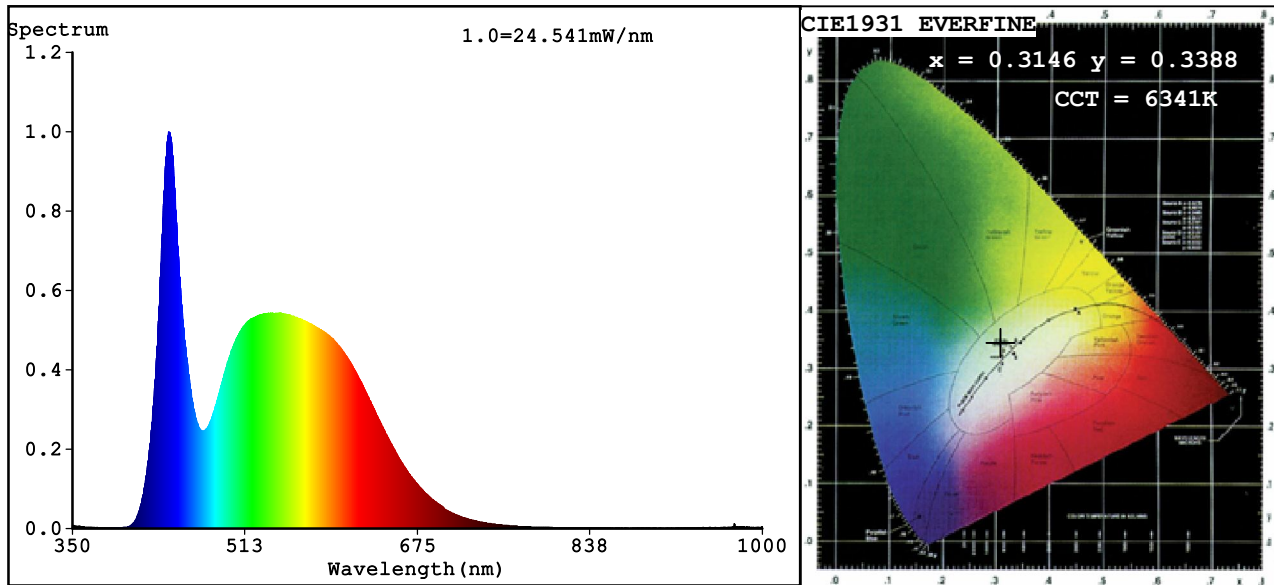
WHITE:ANSI\_6500K

Status: Integral T = 46 ms Ip = 47155 (72%)

Model:LED TUBE T8/10W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED351  
 Date:2017-09-07 14:13  
 Humidity:65.0%  
 Remarks:27Q39117049\_3874

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3146$   $y=0.3388$  /  $u'=0.1955$   $v'=0.4737$

CCT=6341K (Duv=0.0072) Dominant WL:Ld =495.4nm Purity=6.0%

Ratio:R=13.3% G=81.5% B=5.2%;; Peak WL:Lp=440.4nm FWHM=24.4nm

Render Index:Ra=81.8

R1 =80      R2 =84      R3 =88      R4 =83      R5 =82      R6 =81      R7 =86

R8 =70      R9 =4      R10=63      R11=85      R12=71      R13=80      R14=94      R15=73

**Photo Parameters:**

Flux = 866.8 lm    Eff. : 86.59 lm/W    Fe = 2.818 W

**Electrical parameters:**

V = 229.93 V      I = 0.07914 A      P = 10.01 W PF = 0.5501

WHITE:ANSI\_6500K

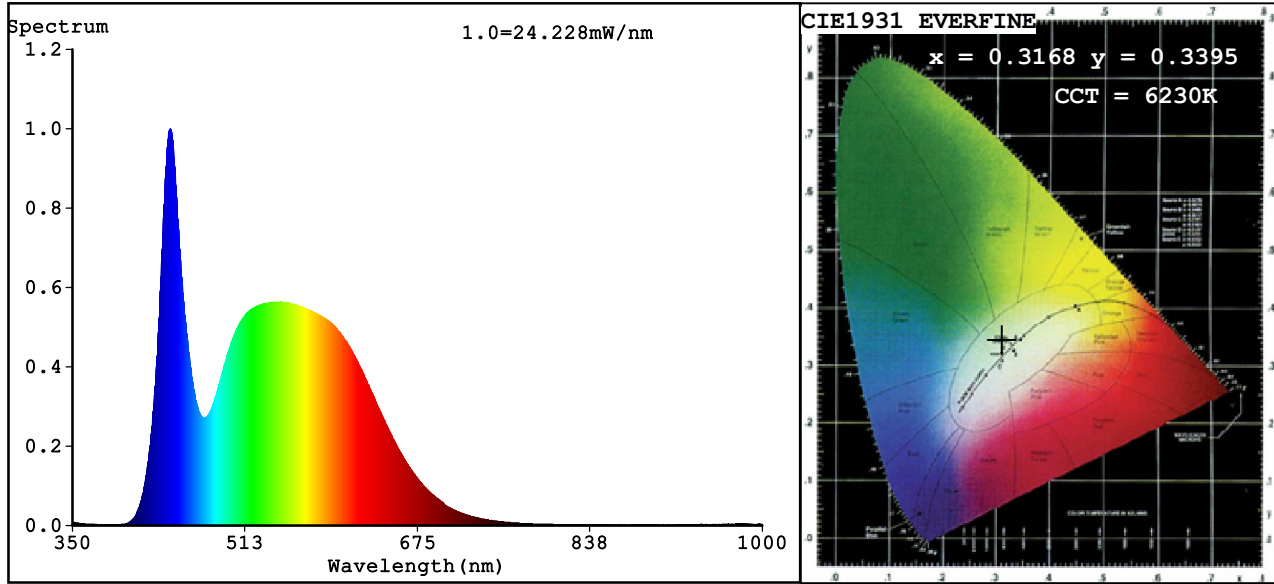
Status: Integral T = 46 ms    Ip = 48087 (73%)

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Model:LED TUBE T8/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED351  
Date:2017-09-07 14:15  
Humidity:65.0%  
Remarks:27Q39117049\_3874

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3168$   $y=0.3395$   $u'=0.1967$   $v'=0.4744$   
 CCT=6230K(Duv=0.0065) Dominant WL:Ld =496.5nm Purity=5.3%  
 Ratio:R=13.5% G=81.2% B=5.3%;;Peak WL:Lp=442.4nm FWHM=25.8nm  
 Render Index:Ra=82.7  
 R1 =81 R2 =85 R3 =89 R4 =84 R5 =83 R6 =82 R7 =87  
 R8 =71 R9 =7 R10=65 R11=85 R12=71 R13=81 R14=94 R15=74

**Photo Parameters:**

Flux = 895.0 lm Eff. : 87.70 lm/W Fe = 2.906 W

**Electrical parameters:**

V = 229.95 V I = 0.07994 A P = 10.21 W PF = 0.5552

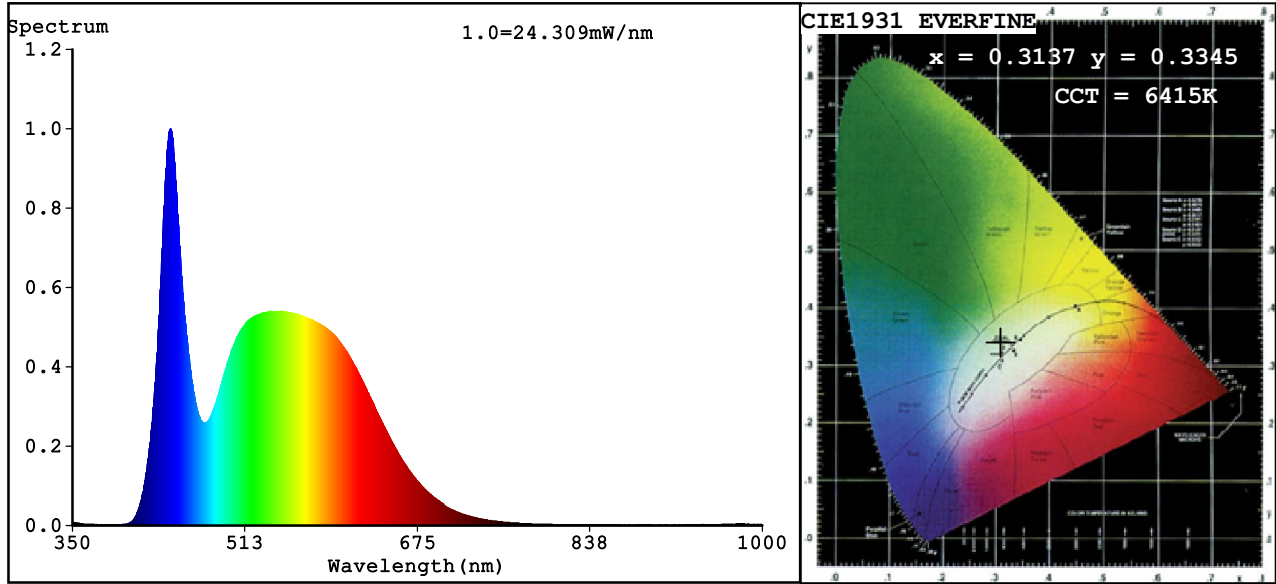
WHITE:ANSI\_6500K

Status: Integral T = 46 ms Ip = 47513 (73%)

Model:LED TUBE T8/10W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED351  
 Date:2017-09-07 14:17  
 Humidity:65.0%  
 Remarks:27Q39117049\_3874

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3137$   $y=0.3345$   $u'=0.1964$   $v'=0.4714$

CCT=6415K(Duv=0.0055) Dominant WL:Ld =492.5nm Purity=6.6%

Ratio:R=13.4% G=81.3% B=5.3%;;Peak WL:Lp=442.4nm FWHM=25.8nm

Render Index:Ra=82.5

R1 =81	R2 =84	R3 =88	R4 =84	R5 =83	R6 =82	R7 =86	
R8 =71	R9 =8	R10=65	R11=85	R12=70	R13=81	R14=94	R15=75

**Photo Parameters:**

Flux = 859.5 lm Eff. : 86.29 lm/W Fe = 2.815 W

**Electrical parameters:**

V = 229.96 V I = 0.07890 A P = 9.960 W PF = 0.5489

WHITE:ANSI\_6500K

Status: Integral T = 44 ms Ip = 45597 (70%)

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Model:LED TUBE T8/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED351  
Date:2017-09-07 14:21  
Humidity:65.0%  
Remarks:27Q39117049\_3874