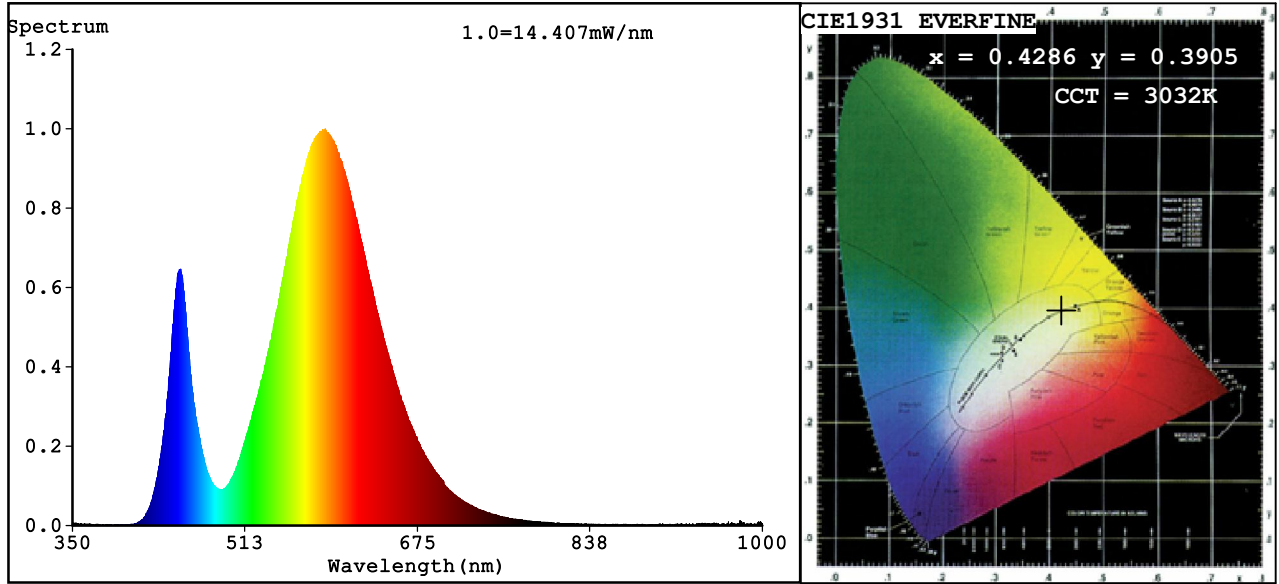


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4286$   $y=0.3905$   $u'=0.2510$   $v'=0.5147$   
 CCT=3032K(Duv=-0.0043) Dominant WL:Ld =584.4nm Purity=45.8%  
 Ratio:R=19.9% G=78.2% B=1.9%;;Peak WL:Lp=588.1nm FWHM=101.5nm  
 Render Index:Ra=63.9  
 R1 =59 R2 =78 R3 =92 R4 =54 R5 =57 R6 =66 R7 =73  
 R8 =33 R9 =0 R10=49 R11=41 R12=37 R13=62 R14=95 R15=54

**Photo Parameters:**

Flux = 669.1 lm Eff. : 53.98 lm/W Fe = 1.904 W

**Electrical parameters:**

V = 12.080 V I = 1.026 A P = 12.40 W PF = 1.000

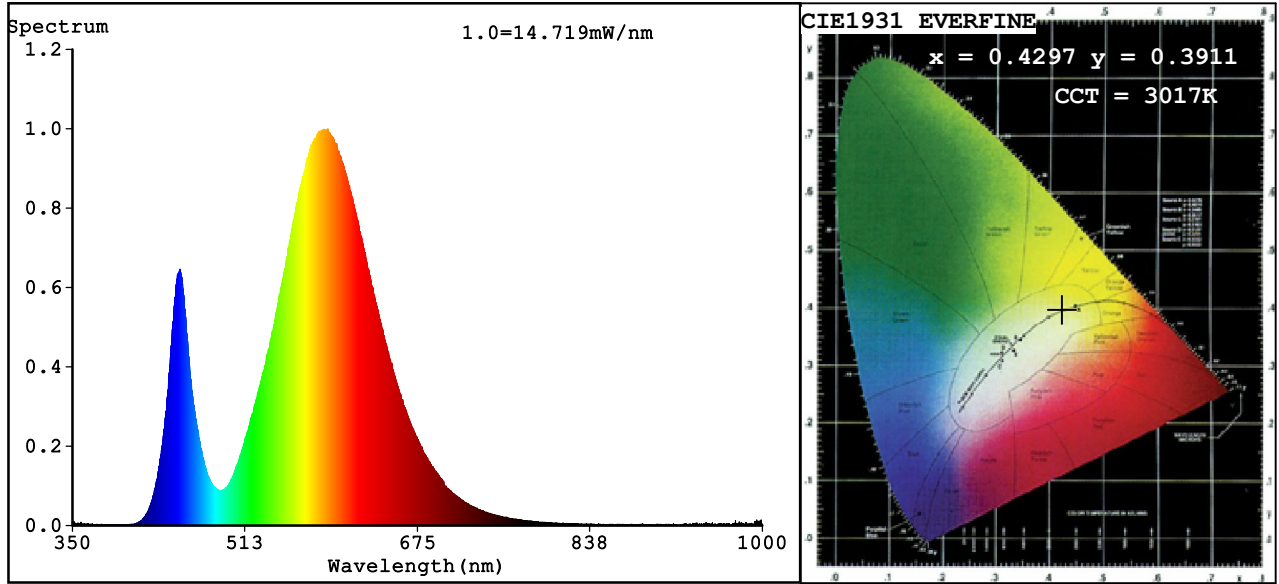
WHITE:ANSI\_3000K

Status: Integral T = 72 ms Ip = 53459 (82%)

Model:LED-3528-60-WW/4.8W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED306  
 Date:2017-11-27 09:26  
 Humidity:65.0%  
 Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4297$   $y=0.3911$   $u'=0.2515$   $v'=0.5151$   
 CCT=3017K (Duv=-0.0043) Dominant WL:Ld =584.4nm Purity=46.3%  
 Ratio:R=20.1% G=78.1% B=1.8%;; Peak WL:Lp=590.4nm FWHM=101.8nm  
 Render Index:Ra=64.1  
 R1 =59 R2 =78 R3 =92 R4 =54 R5 =57 R6 =67 R7 =73  
 R8 =34 R9 =0 R10=49 R11=42 R12=37 R13=62 R14=95 R15=54

**Photo Parameters:**

Flux = 685.3 lm Eff. : 55.75 lm/W Fe = 1.950 W

**Electrical parameters:**

V = 12.080 V I = 1.018 A P = 12.29 W PF = 1.000

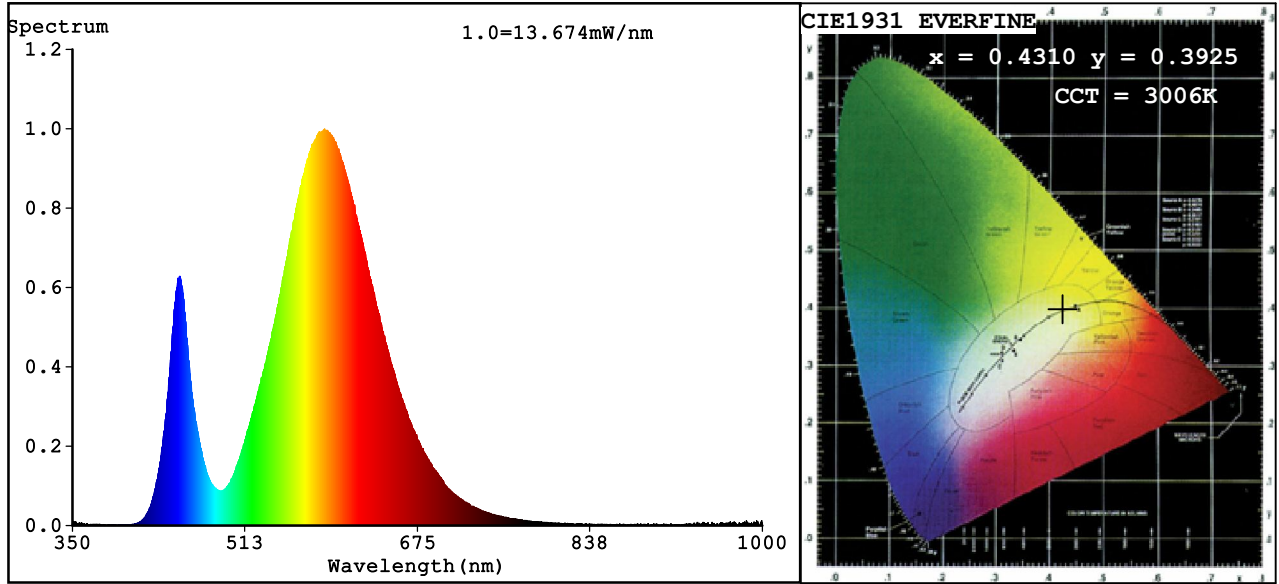
WHITE:ANSI\_3000K

Status: Integral T = 57 ms Ip = 43225 (66%)

Model:LED-3528-60-WW/4.8W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED306  
 Date:2017-11-27 09:32  
 Humidity:65.0%  
 Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4310$   $y=0.3925$   $u'=0.2518$   $v'=0.5159$

CCT=3006K(Duv=-0.0039) Dominant WL:Ld =584.3nm Purity=47.2%

Ratio:R=20.1% G=78.1% B=1.8%;;Peak WL:Lp=587.5nm FWHM=102.3nm

Render Index:Ra=64.2

R1 =59      R2 =78      R3 =92      R4 =54      R5 =57      R6 =67      R7 =73

R8 =34      R9 =0      R10=49      R11=42      R12=37      R13=62      R14=95      R15=54

**Photo Parameters:**

Flux = 636.1 lm    Eff. : 51.72 lm/W    Fe = 1.808 W

**Electrical parameters:**

V = 12.080 V      I = 1.018 A      P = 12.30 W PF = 1.000

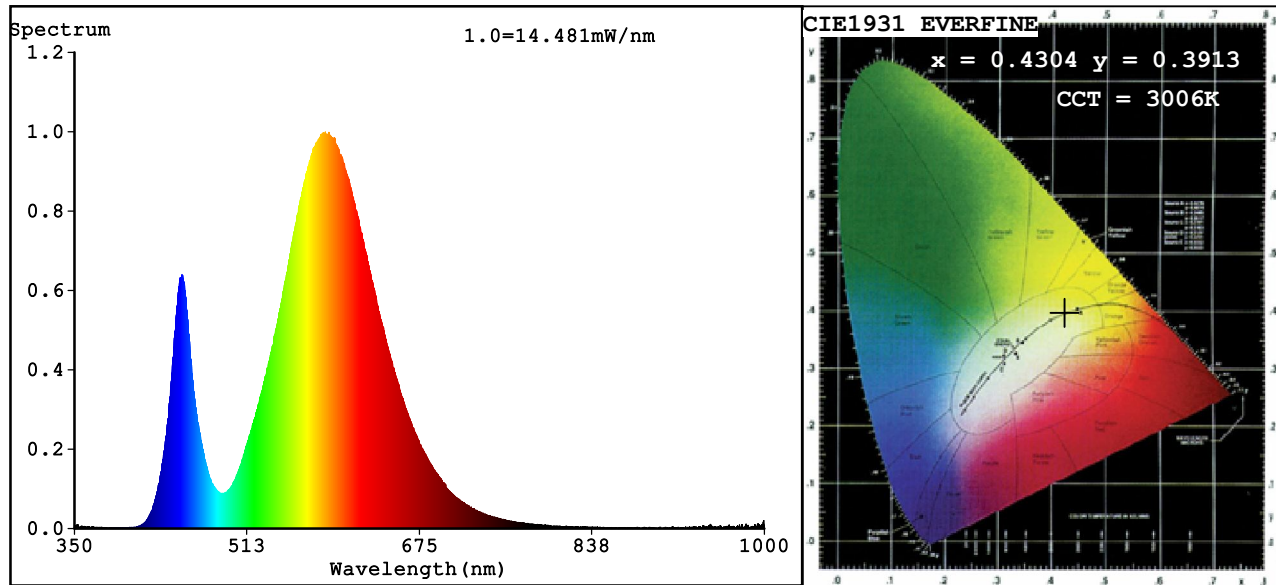
WHITE:ANSI\_3000K

Status: Integral T = 57 ms    Ip = 40144 (61%)

Model:LED-3528-60-WW/4.8W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99XLED306  
Date:2017-11-27 09:40  
Humidity:65.0%  
Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4304$   $y=0.3913$  /  $u'=0.2519$   $v'=0.5153$   
 CCT=3006K (Duv=-0.0043) Dominant WL:Ld =584.5nm Purity=46.6%  
 Ratio:R=20.1% G=78.1% B=1.8%;; Peak WL:Lp=586.5nm FWHM=101.8nm  
 Render Index:Ra=63.9  
 R1 =59    R2 =78    R3 =92    R4 =54    R5 =57    R6 =67    R7 =72  
 R8 =33    R9 =0    R10=49    R11=41    R12=37    R13=62    R14=95    R15=54

**Photo Parameters:**

Flux = 671.7 lm    Eff. : 54.76 lm/W    Fe = 1.910 W

**Electrical parameters:**

V = 12.080 V    I = 1.015 A    P = 12.27 W PF = 1.000

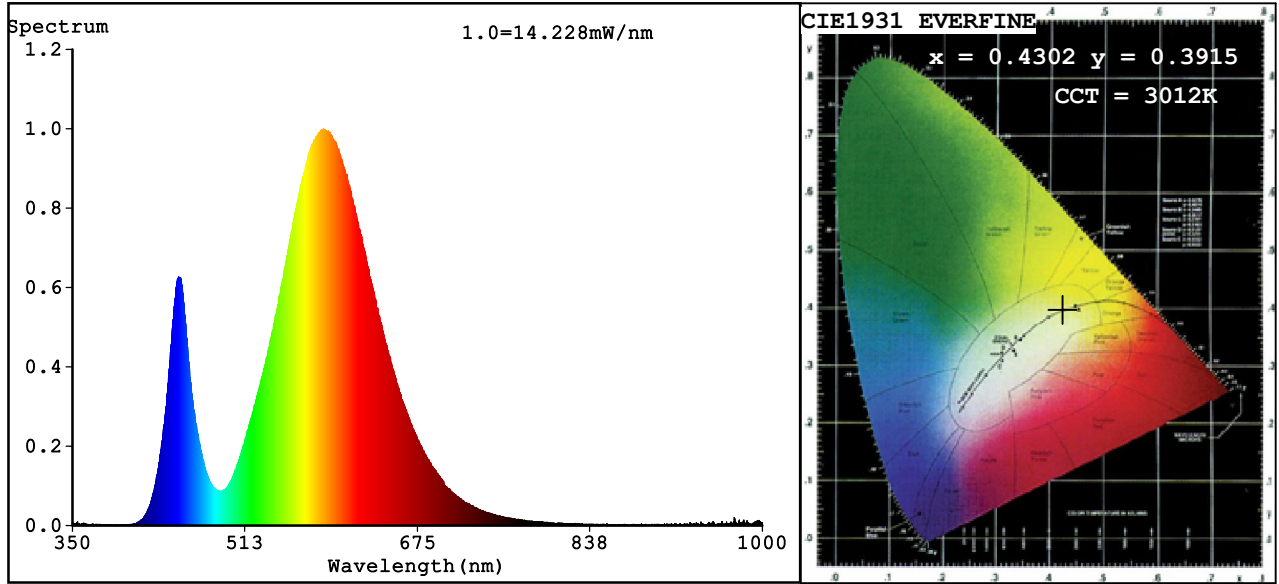
WHITE:ANSI\_3000K

Status: Integral T = 57 ms Ip = 42559 (65%)

Model:LED-3528-60-WW/4.8W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED306  
 Date:2017-11-27 09:56  
 Humidity:65.0%  
 Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4302$   $y=0.3915$   $u'=0.2517$   $v'=0.5153$   
 CCT=3012K(Duv=-0.0042) Dominant WL:Ld =584.4nm Purity=46.6%  
 Ratio:R=20.1% G=78.1% B=1.8%;;Peak WL:Lp=586.5nm FWHM=102.1nm  
 Render Index:Ra=64.1  
 R1 =59 R2 =78 R3 =92 R4 =54 R5 =57 R6 =66 R7 =73  
 R8 =34 R9 =0 R10=48 R11=42 R12=37 R13=62 R14=95 R15=54

**Photo Parameters:**

Flux = 662.6 lm Eff. : 54.14 lm/W Fe = 1.886 W

**Electrical parameters:**

V = 12.080 V I = 1.013 A P = 12.24 W PF = 1.000

WHITE:ANSI\_3000K

Status: Integral T = 57 ms Ip = 41808 (64%)

Model:LED-3528-60-WW/4.8W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED306  
 Date:2017-11-27 10:21  
 Humidity:65.0%  
 Remarks:017V038A\_4095