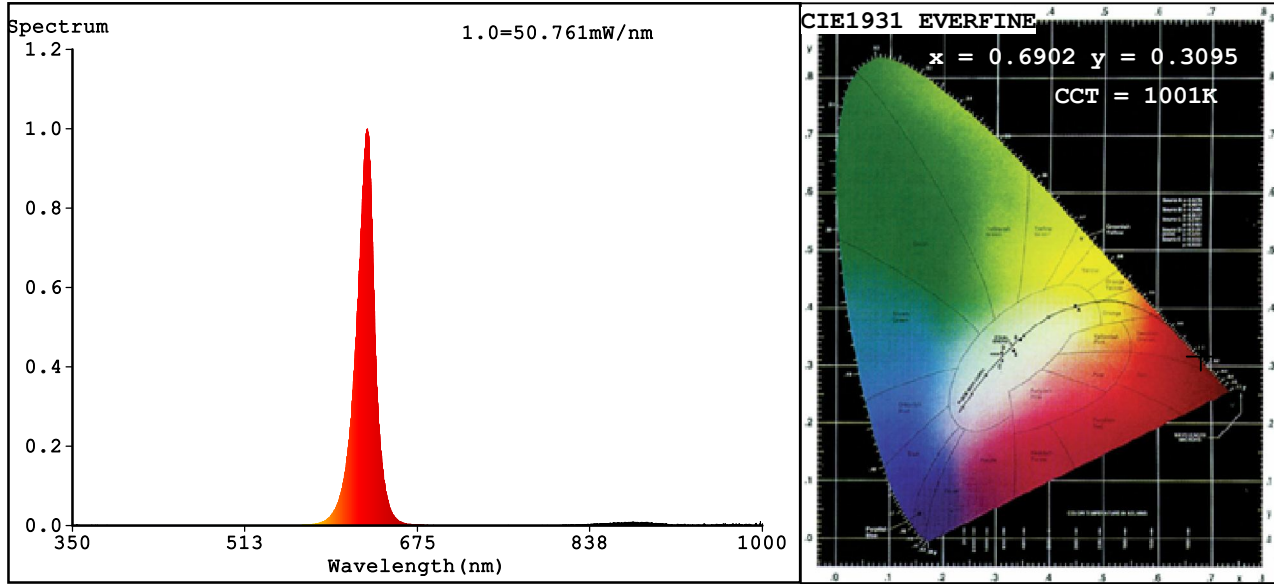


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6902$   $y=0.3095$  /  $u'=0.5176$   $v'=0.5222$   
 CCT=1001K (Duv=-0.0700) Dominant WL:Ld =619.4nm Purity=100.0%  
 Ratio:R=95.5% G=4.5% B=0.0%;; Peak WL:Lp=627.7nm FWHM=16.9nm  
 Render Index:Ra=25.8  
 R1 =6      R2 =78      R3 =29      R4 =0      R5 =0      R6 =90      R7 =4  
 R8 =0      R9 =0      R10=71      R11=0      R12=79      R13=29      R14=59      R15=0

**Photo Parameters:**

Flux = 230.9 lm    Eff. : 9.32 lm/W    Fe = 1.062 W

**Electrical parameters:**

V = 10.593 V      I = 2.338 A      P = 24.77 W PF = 1.000

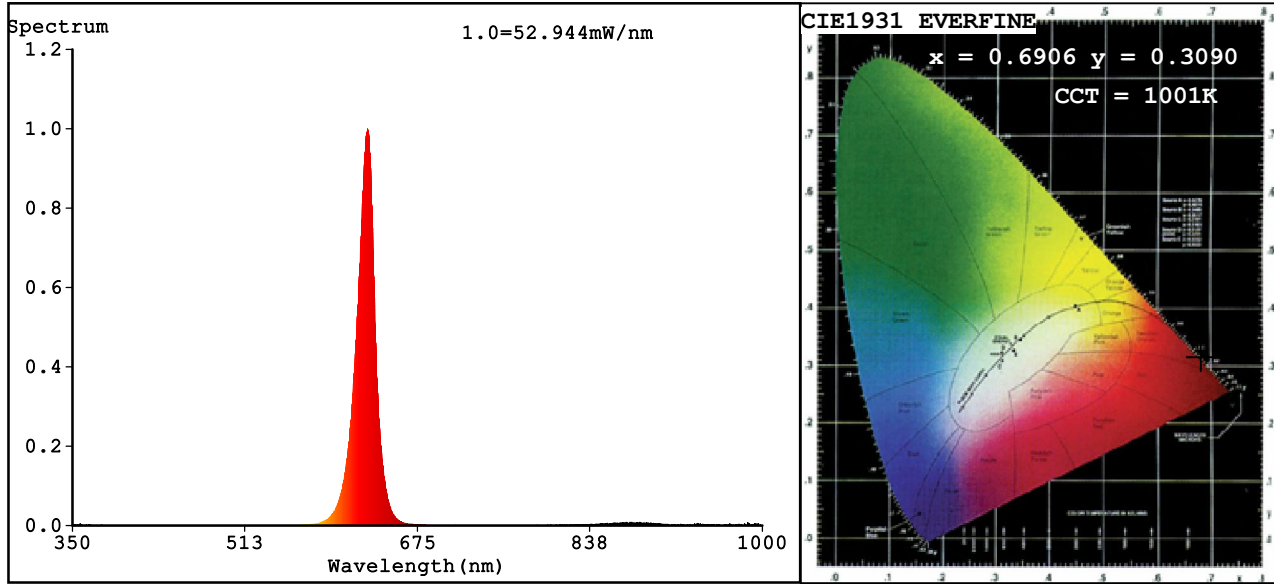
WHITE:OUT

Status: Integral T = 19 ms Ip = 44950 (69%)

Model:LED-5050-60-R/14.4W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED682  
 Date:2017-11-24 16:28  
 Humidity:65.0%  
 Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6906$   $y=0.3090$   $u'=0.5185$   $v'=0.5221$

CCT=1001K (Duv=-0.0709) Dominant WL:Ld =619.7nm Purity=99.9%

Ratio:R=95.6% G=4.4% B=0.0%;; Peak WL:Lp=628.1nm FWHM=17.0nm

Render Index:Ra=26.0

R1 = 6	R2 = 78	R3 = 29	R4 = 0	R5 = 0	R6 = 90	R7 = 4	
R8 = 0	R9 = 0	R10=71	R11=0	R12=79	R13=30	R14=59	R15=0

**Photo Parameters:**

Flux = 240.4 lm Eff. : 9.28 lm/W Fe = 1.115 W

**Electrical parameters:**

V = 10.674 V I = 2.426 A P = 25.90 W PF = 1.000

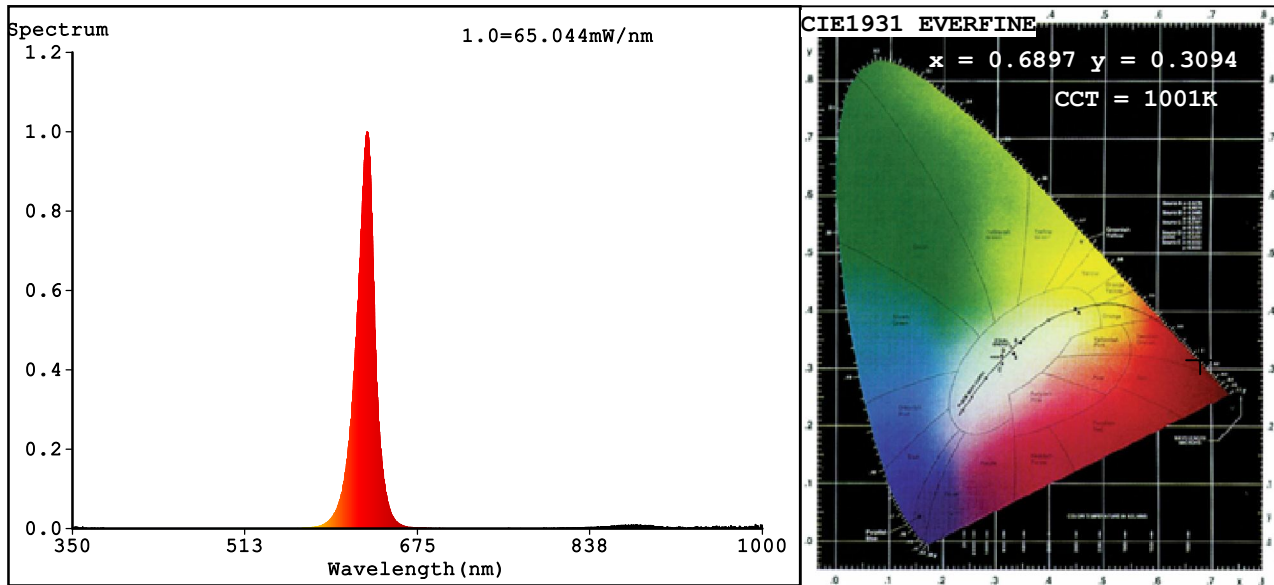
WHITE:OUT

Status: Integral T = 19 ms Ip = 46905 (72%)

Model:LED-5050-60-R/14.4W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED682  
Date:2017-11-24 16:53  
Humidity:65.0%  
Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6897$   $y=0.3094$   $u'=0.5172$   $v'=0.5221$

CCT=1001K(Duv=-0.0696) Dominant WL:Ld =619.5nm Purity=99.8%

Ratio:R=95.4% G=4.6% B=0.0%;;Peak WL:Lp=627.7nm FWHM=17.3nm

Render Index:Ra=26.6

R1 = 8	R2 = 79	R3 = 30	R4 = 0	R5 = 2	R6 = 91	R7 = 4	
R8 = 0	R9 = 0	R10=72	R11=0	R12=78	R13=31	R14=60	R15=0

**Photo Parameters:**

Flux = 301.6 lm Eff. : 8.59 lm/W Fe = 1.404 W

**Electrical parameters:**

V = 11.886 V I = 2.955 A P = 35.13 W PF = 1.000

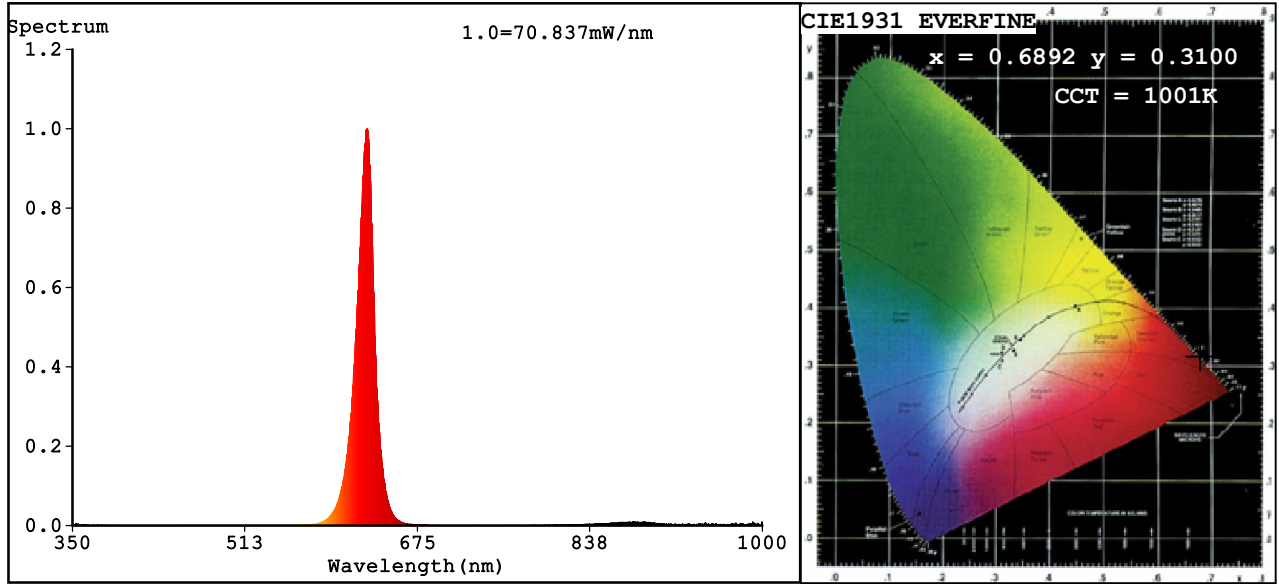
WHITE:OUT

Status: Integral T = 15 ms Ip = 45466 (69%)

Model:LED-5050-60-R/14.4W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED682  
Date:2017-11-27 08:54  
Humidity:65.0%  
Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6892$   $y=0.3100$   $u'=0.5161$   $v'=0.5223$

CCT=1001K (Duv=-0.0685) Dominant WL:Ld =619.2nm Purity=99.8%

Ratio:R=95.3% G=4.7% B=0.0%; Peak WL:Lp=627.7nm FWHM=17.3nm

Render Index:Ra=26.7

R1 = 8	R2 = 79	R3 = 30	R4 = 0	R5 = 2	R6 = 90	R7 = 5	
R8 = 0	R9 = 0	R10=72	R11=0	R12=78	R13=31	R14=60	R15=0

**Photo Parameters:**

Flux = 330.5 lm Eff. : 9.57 lm/W Fe = 1.526 W

**Electrical parameters:**

V = 11.680 V I = 2.955 A P = 34.52 W PF = 1.000

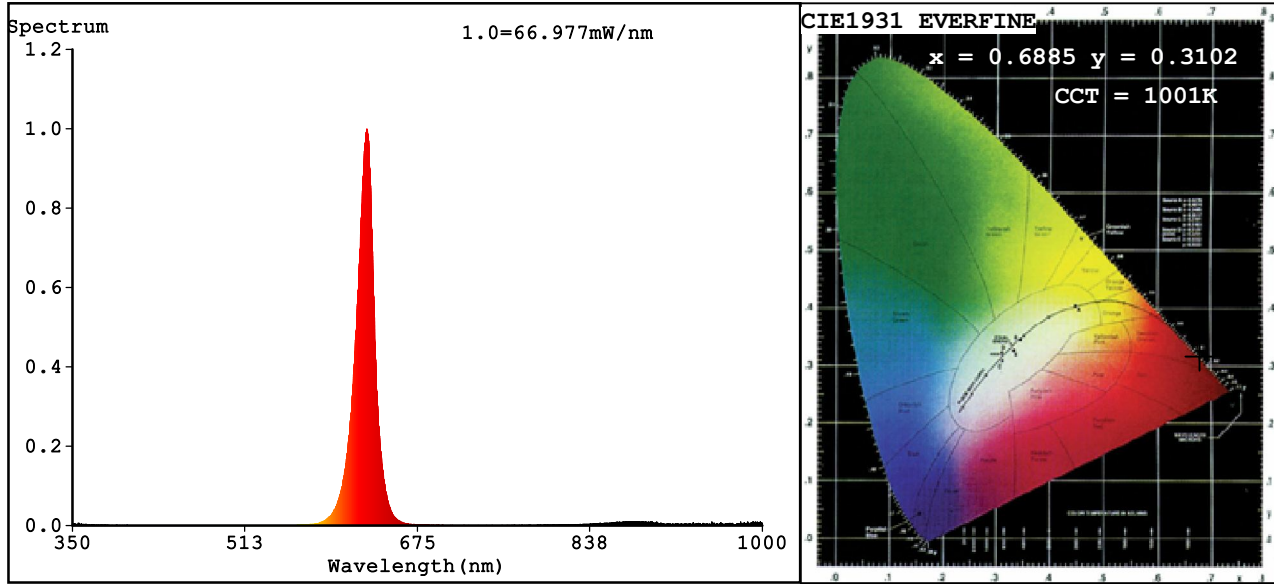
WHITE:OUT

Status: Integral T = 15 ms Ip = 49518 (76%)

Model:LED-5050-60-R/14.4W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED682  
Date:2017-11-27 09:01  
Humidity:65.0%  
Remarks:017V038A\_4095

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6885$   $y=0.3102$   $u'=0.5152$   $v'=0.5223$   
CCT=1001K(Duv=-0.0676) Dominant WL:Ld =619.1nm Purity=99.7%  
Ratio:R=95.1% G=4.9% B=0.0%;;Peak WL:Lp=627.4nm FWHM=17.3nm  
Render Index:Ra=27.4  
R1 =9      R2 =79      R3 =30      R4 =0      R5 =4      R6 =91      R7 =5  
R8 =0      R9 =0      R10=73      R11=0      R12=78      R13=32      R14=60      R15=0

**Photo Parameters:**

Flux = 312.1 lm    Eff. : 9.00 lm/W    Fe = 1.453 W

**Electrical parameters:**

V = 11.740 V      I = 2.955 A      P = 34.70 W PF = 1.000

WHITE:OUT

Status: Integral T = 15 ms Ip = 46771 (71%)

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Model:LED-5050-60-R/14.4W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED682  
Date:2017-11-27 09:09  
Humidity:65.0%  
Remarks:017V038A\_4095