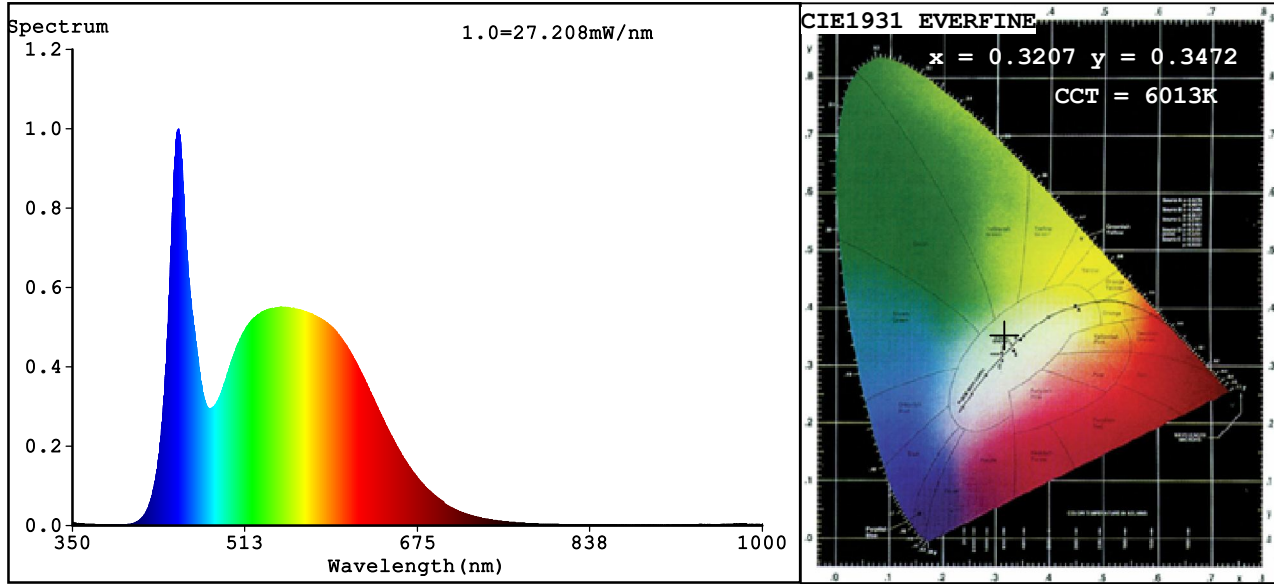


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3207$   $y=0.3472$   $u'=0.1966$   $v'=0.4789$

CCT=6013K(Duv=0.0084) Dominant WL:Ld =506.9nm Purity=3.9%

Ratio:R=13.6% G=81.0% B=5.4%;;Peak WL:Lp=449.9nm FWHM=24.5nm

Render Index:Ra=83.1

R1 =80 R2 =87 R3 =93 R4 =83 R5 =81 R6 =83 R7 =89

R8 =69 R9 =5 R10=70 R11=82 R12=61 R13=82 R14=96 R15=74

**Photo Parameters:**

Flux = 979.9 lm Eff. : 86.36 lm/W Fe = 3.104 W

**Electrical parameters:**

V = 230.05 V I = 0.08926 A P = 11.35 W PF = 0.5526

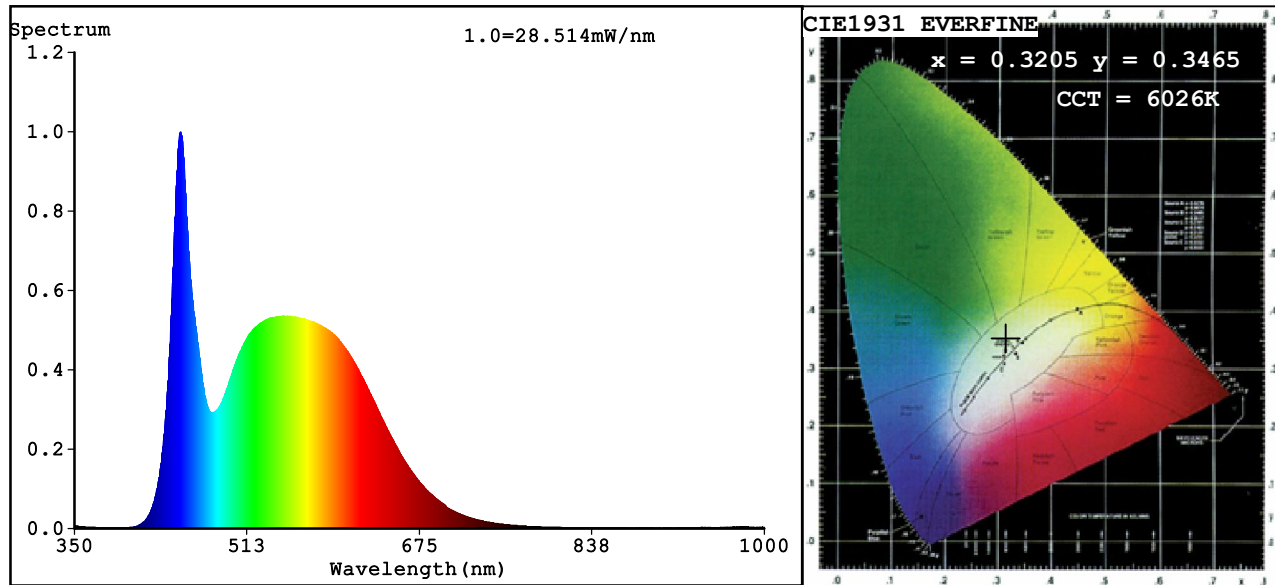
WHITE:OUT

Status: Integral T = 43 ms Ip = 50872 (78%)

Model:LED PAR30/12W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED931  
Date:2018-04-11 15:44  
Humidity:65.0%  
Remarks:27Q39118004\_4403

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3205$   $y=0.3465$   $u'=0.1967$   $v'=0.4785$

CCT=6026K(Duv=0.0082) Dominant WL:Ld =505.7nm Purity=3.9%

Ratio:R=13.7% G=80.9% B=5.5%;;Peak WL:Lp=449.9nm FWHM=24.0nm

Render Index:Ra=83.4

R1 =80	R2 =88	R3 =93	R4 =83	R5 =82	R6 =84	R7 =89	
R8 =69	R9 =6	R10=71	R11=82	R12=60	R13=82	R14=96	R15=75

**Photo Parameters:**

Flux = 1001 lm Eff. : 86.41 lm/W Fe = 3.179 W

**Electrical parameters:**

V = 229.93 V I = 0.09081 A P = 11.59 W PF = 0.5551

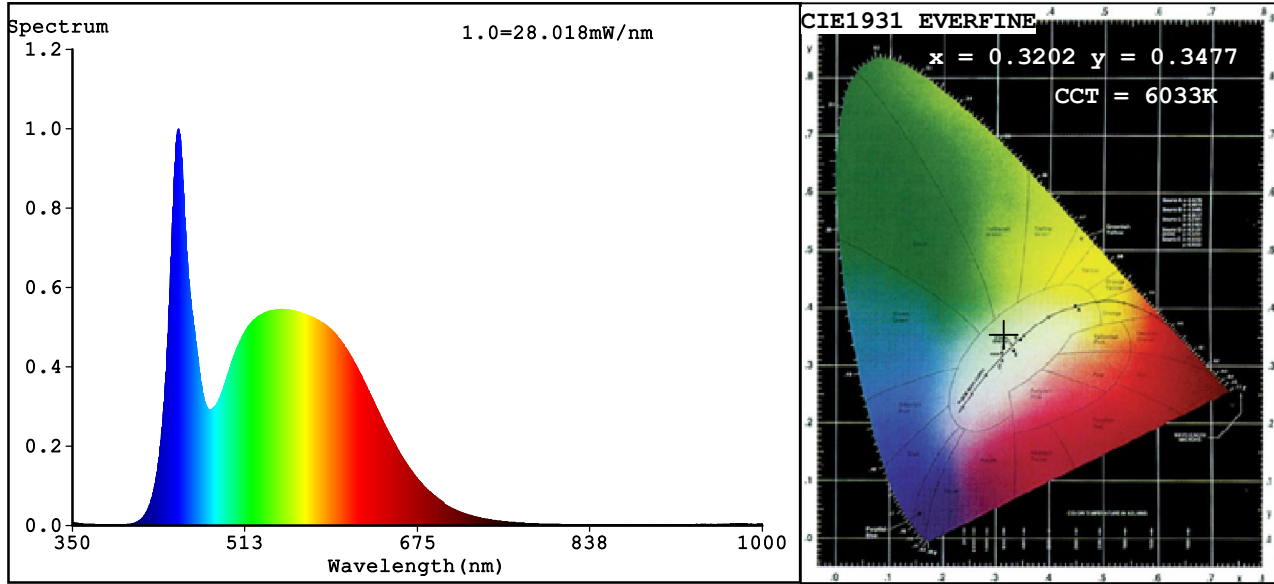
WHITE:ANSI\_6500K

Status: Integral T = 43 ms Ip = 53321 (81%)

Model:LED PAR30/12W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED931  
Date:2018-04-11 15:52  
Humidity:65.0%  
Remarks:27Q39118004\_4403

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3202$   $y=0.3477$   $u'=0.1961$   $v'=0.4791$   
 CCT=6033K(Duv=0.0089) Dominant WL:Ld =506.9nm Purity=4.0%  
 Ratio:R=13.5% G=81.0% B=5.4%;;Peak WL:Lp=449.9nm FWHM=24.1nm  
 Render Index:Ra=82.9  
 R1 =80      R2 =87      R3 =93      R4 =82      R5 =81      R6 =83      R7 =89  
 R8 =68      R9 =4      R10=70      R11=81      R12=60      R13=82      R14=96      R15=74

**Photo Parameters:**

Flux = 996.7 lm    Eff. : 87.27 lm/W    Fe = 3.154 W

**Electrical parameters:**

V = 229.95 V      I = 0.08956 A      P = 11.42 W PF = 0.5545

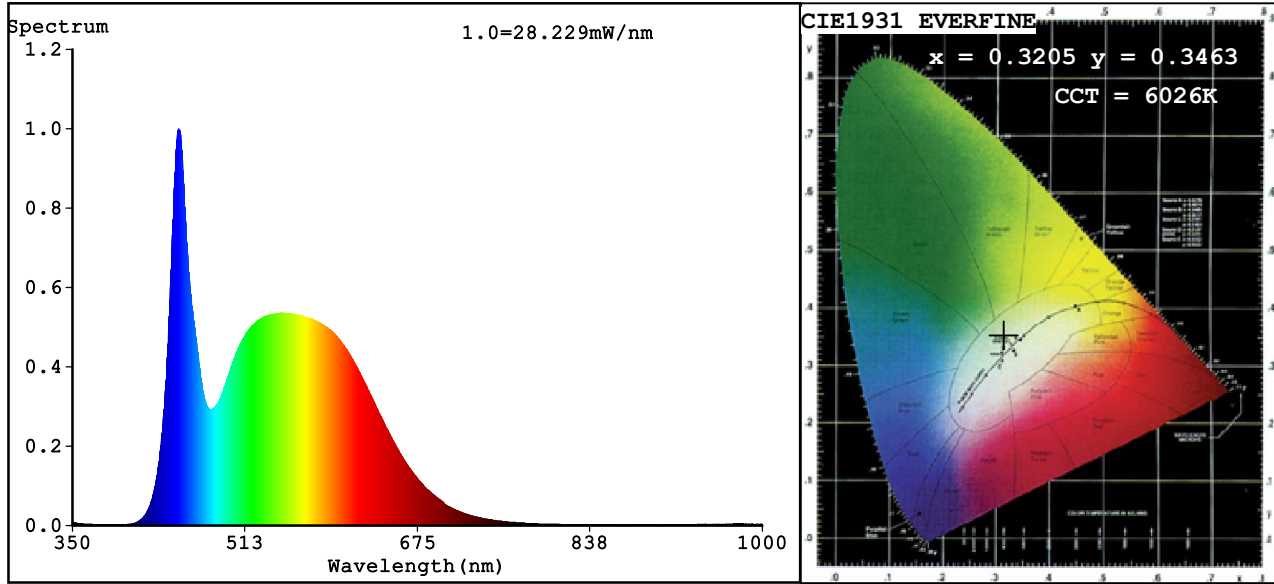
WHITE:ANSI\_6500K

Status: Integral T = 43 ms    Ip = 52389 (80%)

Model:LED PAR30/12W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED931  
 Date:2018-04-11 15:54  
 Humidity:65.0%  
 Remarks:27Q39118004\_4403

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3205$   $y=0.3463$  /  $u'=0.1968$   $v'=0.4784$   
 CCT=6026K (Duv=0.0081) Dominant WL:Ld =505.5nm Purity=3.9%  
 Ratio:R=13.7% G=80.8% B=5.5%;; Peak WL:Lp=449.9nm FWHM=24.1nm  
 Render Index:Ra=83.4  
 R1 =81 R2 =88 R3 =93 R4 =83 R5 =82 R6 =84 R7 =89  
 R8 =69 R9 =6 R10=71 R11=82 R12=60 R13=82 R14=96 R15=75

**Photo Parameters:**

Flux = 991.7 lm Eff. : 87.07 lm/W Fe = 3.149 W

**Electrical parameters:**

V = 229.95 V I = 0.08925 A P = 11.39 W PF = 0.5549

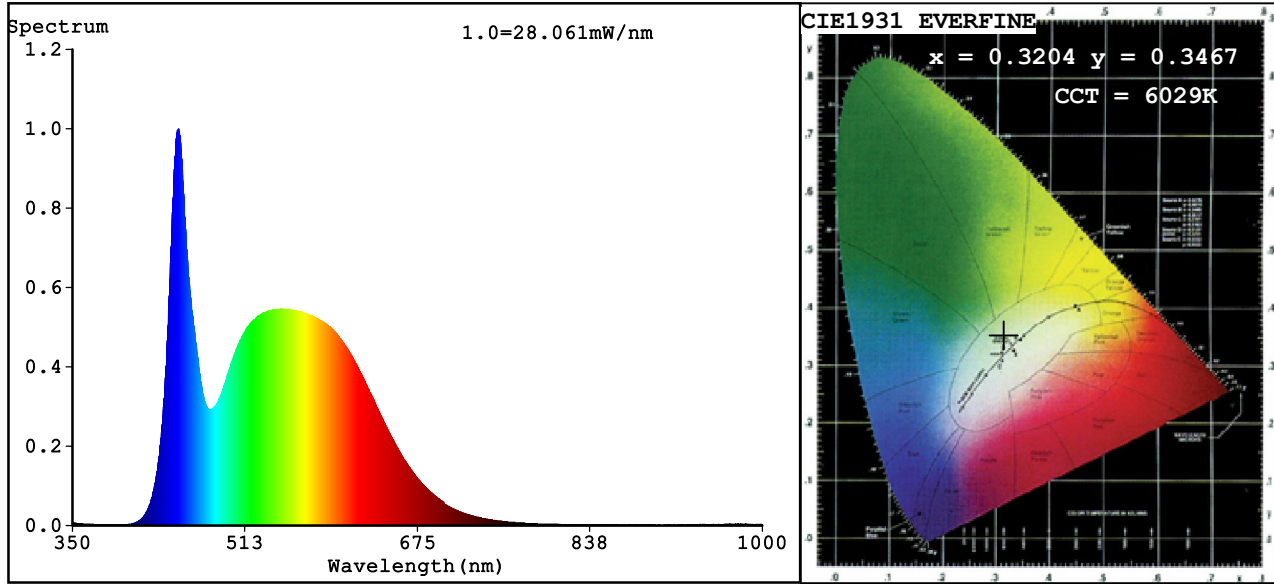
WHITE:ANSI\_6500K

Status: Integral T = 43 ms Ip = 52874 (81%)

Model:LED PAR30/12W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED931  
 Date:2018-04-11 16:06  
 Humidity:65.0%  
 Remarks:27Q39118004\_4403

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3204$   $y=0.3467$   $u'=0.1966$   $v'=0.4786$

CCT=6029K(Duv=0.0083) Dominant WL:Ld =505.9nm Purity=3.9%

Ratio:R=13.6% G=81.0% B=5.4%;;Peak WL:Lp=449.9nm FWHM=24.4nm

Render Index:Ra=83.2

R1 =80	R2 =87	R3 =93	R4 =83	R5 =81	R6 =83	R7 =89		
R8 =69	R9 =5	R10=70	R11=82	R12=61	R13=82	R14=96	R15=74	

**Photo Parameters:**

Flux = 1002 lm Eff. : 86.78 lm/W Fe = 3.176 W

**Electrical parameters:**

V = 229.97 V I = 0.09016 A P = 11.55 W PF = 0.5570

WHITE:ANSI\_6500K

Status: Integral T = 43 ms Ip = 52467 (80%)

Model:LED PAR30/12W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED931  
Date:2018-04-11 16:08  
Humidity:65.0%  
Remarks:27Q39118004\_4403