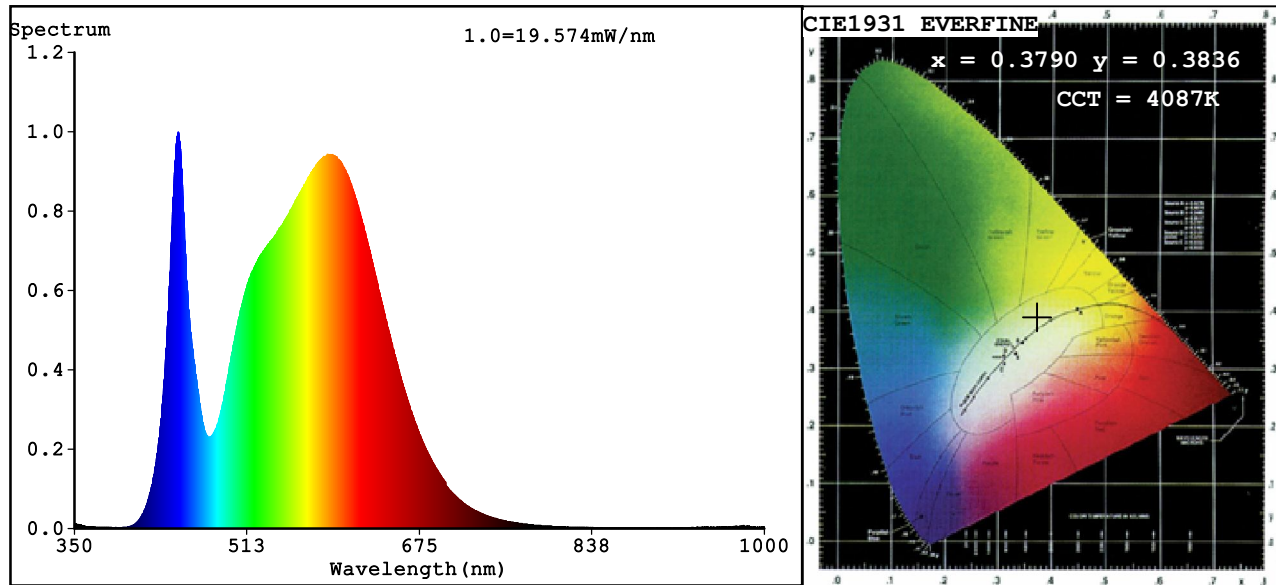


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3790$   $y=0.3836$   $u'=0.2215$   $v'=0.5044$

CCT=4087K(Duv=0.0036) Dominant WL:Ld =576.9nm Purity=28.9%

Ratio:R=17.5% G=79.3% B=3.3%;;Peak WL:Lp=447.9nm FWHM=21.9nm

Render Index:Ra=80.5

R1 =78      R2 =85      R3 =93      R4 =81      R5 =78      R6 =81      R7 =86

R8 =62      R9 =0      R10=67      R11=80      R12=60      R13=79      R14=96      R15=71

**Photo Parameters:**

Flux = 1082 lm    Eff. : 97.14 lm/W    Fe = 3.235 W

**Electrical parameters:**

V = 230.03 V      I = 0.09148 A      P = 11.14 W PF = 0.5294

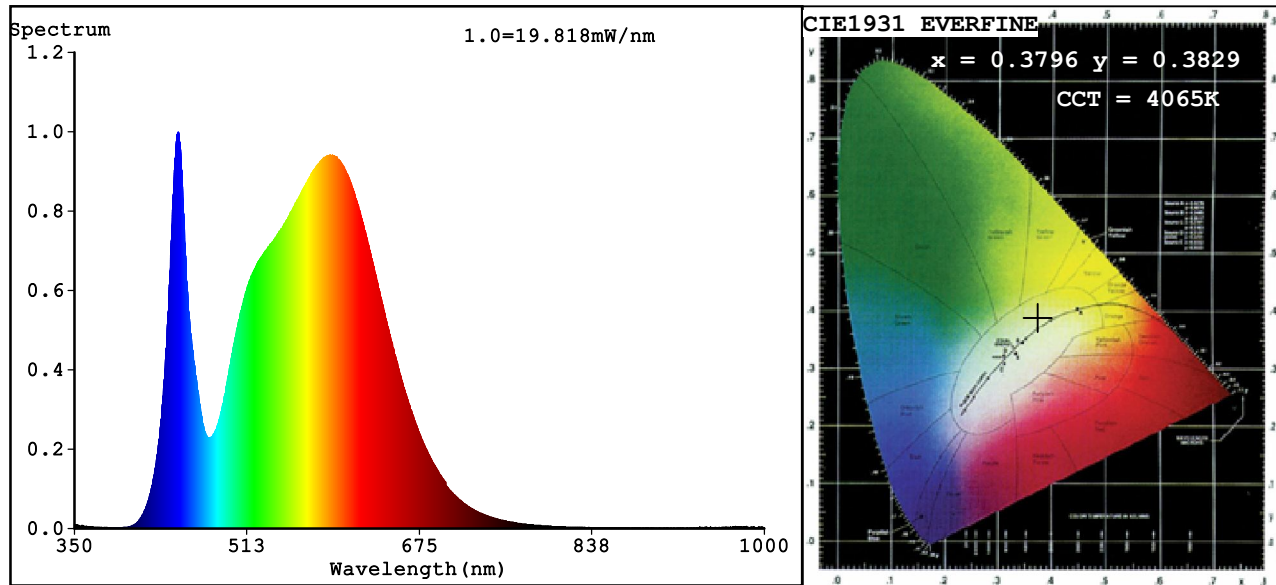
WHITE:ANSI\_4000K

Status: Integral T = 36 ms    Ip = 34757 (53%)

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

Number:99LED774  
Date:2017-07-10 16:04  
Humidity:65.0%  
Remarks:27Q39117013\_3618

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3796$   $y=0.3829$   $u'=0.2221$   $v'=0.5042$

CCT=4065K(Duv=0.0031) Dominant WL:Ld =577.2nm Purity=28.8%

Ratio:R=17.6% G=79.2% B=3.3%;;Peak WL:Lp=447.9nm FWHM=21.8nm

Render Index:Ra=80.6

R1 =78	R2 =86	R3 =93	R4 =81	R5 =79	R6 =81	R7 =86		
R8 =62	R9 =0	R10=67	R11=80	R12=61	R13=80	R14=96	R15=71	

**Photo Parameters:**

Flux = 1090 lm Eff. : 96.83 lm/W Fe = 3.260 W

**Electrical parameters:**

V = 230.03 V I = 0.09175 A P = 11.26 W PF = 0.5333

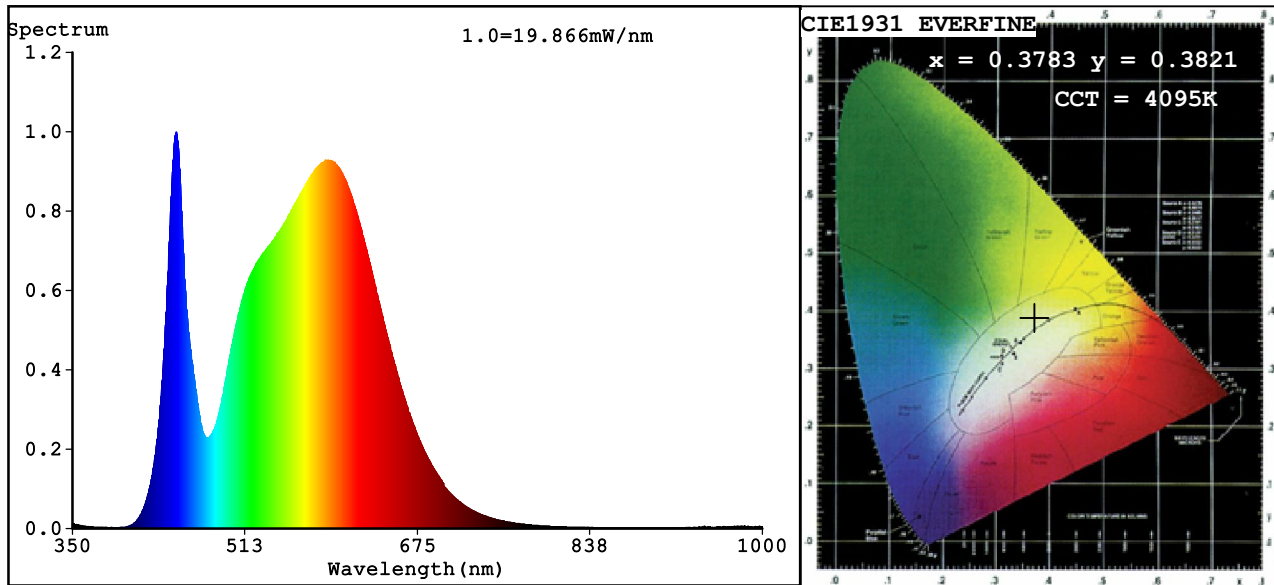
WHITE:ANSI\_4000K

Status: Integral T = 36 ms Ip = 35097 (54%)

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

Number:99LED774  
Date:2017-07-10 16:06  
Humidity:65.0%  
Remarks:27Q39117013\_3618

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3783$   $y=0.3821$   $u'=0.2216$   $v'=0.5036$

CCT=4095K(Duv=0.0031) Dominant WL:Ld =577.1nm Purity=28.2%

Ratio:R=17.5% G=79.2% B=3.3%;;Peak WL:Lp=447.9nm FWHM=21.9nm

Render Index:Ra=80.7

R1 =78      R2 =86      R3 =93      R4 =81      R5 =79      R6 =81      R7 =86

R8 =62      R9 =0      R10=67      R11=80      R12=60      R13=80      R14=96      R15=71

**Photo Parameters:**

Flux = 1081 lm    Eff. : 96.60 lm/W    Fe = 3.240 W

**Electrical parameters:**

V = 230.03 V      I = 0.09129 A      P = 11.19 W PF = 0.5327

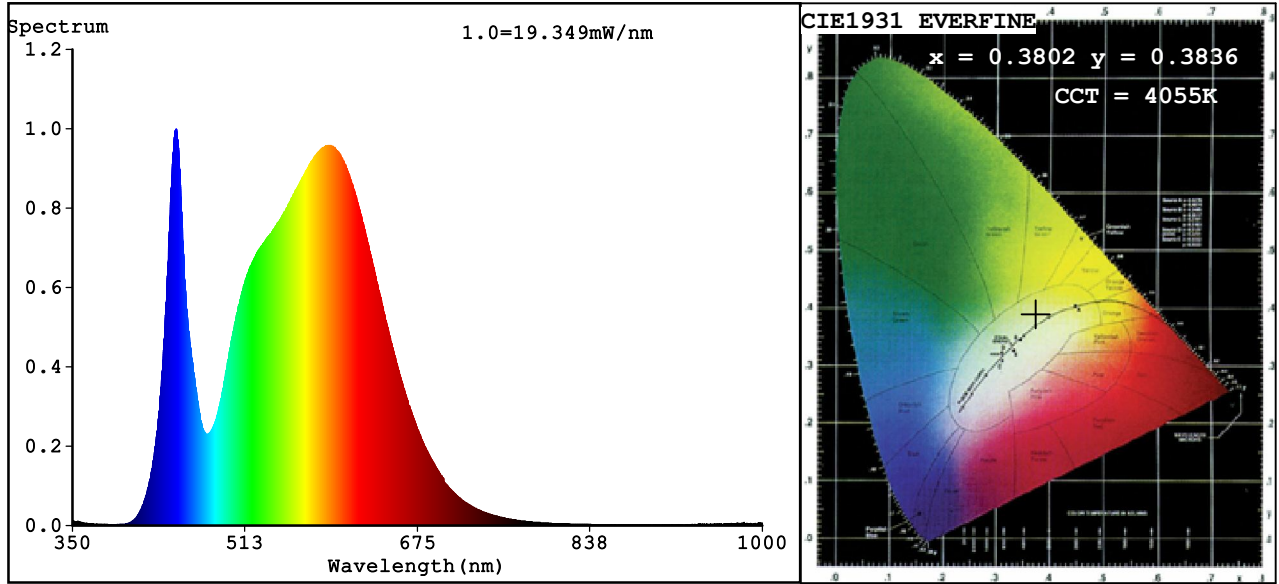
WHITE:ANSI\_4000K

Status: Integral T = 36 ms    Ip = 34720 (53%)

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

Number:99LED774  
Date:2017-07-10 16:09  
Humidity:65.0%  
Remarks:27Q39117013\_3618

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3802$   $y=0.3836/u'=0.2222$   $v'=0.5045$   
 CCT=4055K(Duv=0.0033) Dominant WL:Ld =577.2nm Purity=29.2%  
 Ratio:R=17.6% G=79.2% B=3.2%;;Peak WL:Lp=447.9nm FWHM=22.1nm  
 Render Index:Ra=80.5  
 R1 =78      R2 =86      R3 =93      R4 =81      R5 =79      R6 =81      R7 =86  
 R8 =62      R9 =0      R10=67      R11=80      R12=61      R13=79      R14=96      R15=71

**Photo Parameters:**

Flux = 1083 lm    Eff. : 97.08 lm/W    Fe = 3.239 W

**Electrical parameters:**

V = 230.03 V      I = 0.09111 A      P = 11.15 W PF = 0.5321

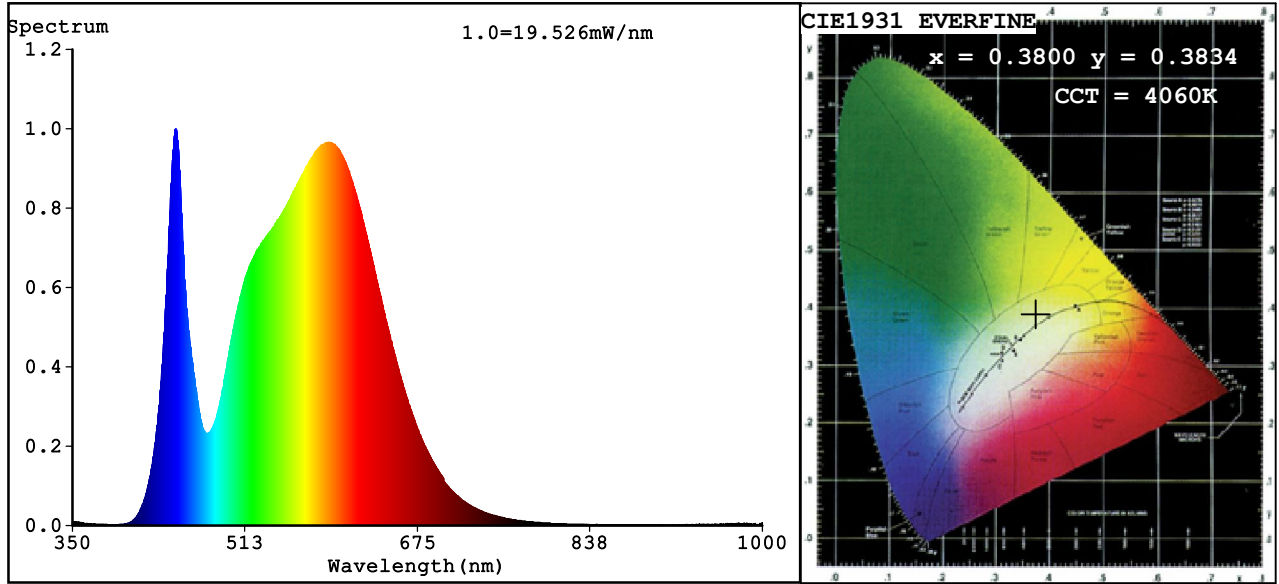
WHITE:ANSI\_4000K

Status: Integral T = 36 ms    Ip = 34899 (53%)

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

Number:99LED774  
 Date:2017-07-10 16:11  
 Humidity:65.0%  
 Remarks:27Q39117013\_3618

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3800$   $y=0.3834$   $u'=0.2222$   $v'=0.5044$   
 CCT=4060K(Duv=0.0032) Dominant WL:Ld =577.2nm Purity=29.1%  
 Ratio:R=17.6% G=79.2% B=3.2%;;Peak WL:Lp=447.9nm FWHM=22.4nm  
 Render Index:Ra=80.5  
 R1 =78    R2 =85    R3 =93    R4 =81    R5 =79    R6 =81    R7 =86  
 R8 =62    R9 =0    R10=67    R11=80    R12=61    R13=79    R14=96    R15=71

**Photo Parameters:**

Flux = 1102 lm    Eff. : 97.21 lm/W    Fe = 3.297 W

**Electrical parameters:**

V = 230.06 V    I = 0.09225 A    P = 11.34 W PF = 0.5341

WHITE:ANSI\_4000K

Status: Integral T = 36 ms Ip = 35509 (54%)

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

Number:99LED774  
 Date:2017-07-10 16:12  
 Humidity:65.0%  
 Remarks:27Q39117013\_3618