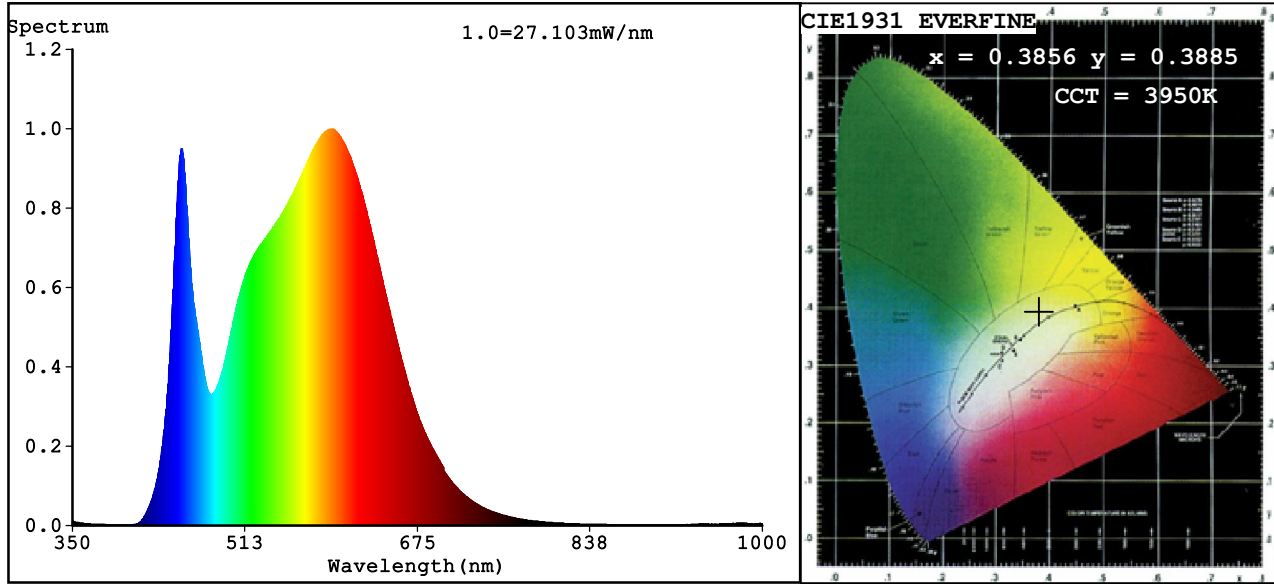


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate: $x=0.3856$   $y=0.3885$ / $u'=0.2238$   $v'=0.5074$

CCT=3950K(Duv=0.0039) Dominant WL:Ld =577.4nm Purity=32.3%

Ratio:R=18.3% G=78.0% B=3.7%;;Peak WL:Lp=593.8nm FWHM=152.4nm

Render Index:Ra=83.6

R1 =81 R2 =90 R3 =97 R4 =82 R5 =81 R6 =87 R7 =87

R8 =65 R9 =9 R10=76 R11=81 R12=62 R13=84 R14=98 R15=74

**Photo Parameters:**

Flux = 1568 lm Eff. : 75.29 lm/W Fe = 4.755 W

**Electrical parameters:**

V = 229.94 V I = 0.1628 A P = 20.82 W PF = 0.5562

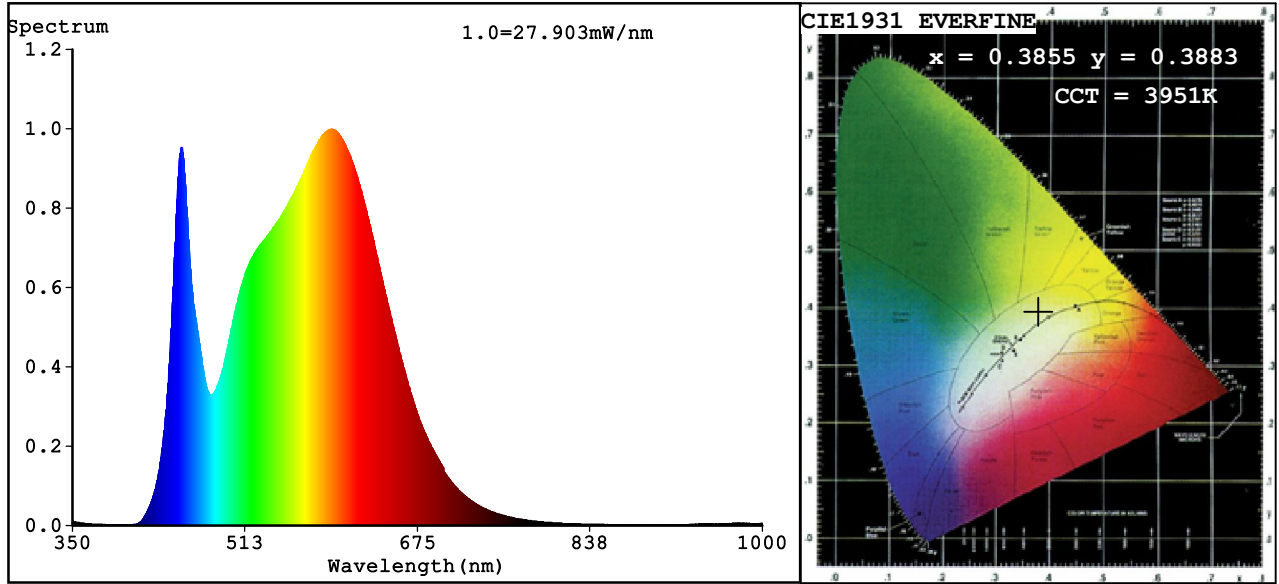
WHITE:ANSI\_4000K

Status: Integral T = 29 ms Ip = 50257 (77%)

Model:TRACY SUPER SLIM/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95TRACYLED20  
Date:2018-09-26 11:13  
Humidity:65.0%  
Remarks:SH18BG-JC-ELM01-1\_4872

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3855$   $y=0.3883$   $u'=0.2238$   $v'=0.5073$   
 CCT=3951K(Duv=0.0039) Dominant WL:Ld =577.4nm Purity=32.2%  
 Ratio:R=18.3% G=78.0% B=3.7%;;Peak WL:Lp=593.8nm FWHM=152.7nm  
 Render Index:Ra=83.8  
 R1 =82 R2 =90 R3 =97 R4 =82 R5 =82 R6 =87 R7 =87  
 R8 =65 R9 =10 R10=77 R11=81 R12=62 R13=84 R14=98 R15=75

**Photo Parameters:**

Flux = 1612 lm Eff. : 76.10 lm/W Fe = 4.891 W

**Electrical parameters:**

V = 229.93 V I = 0.1641 A P = 21.19 W PF = 0.5617

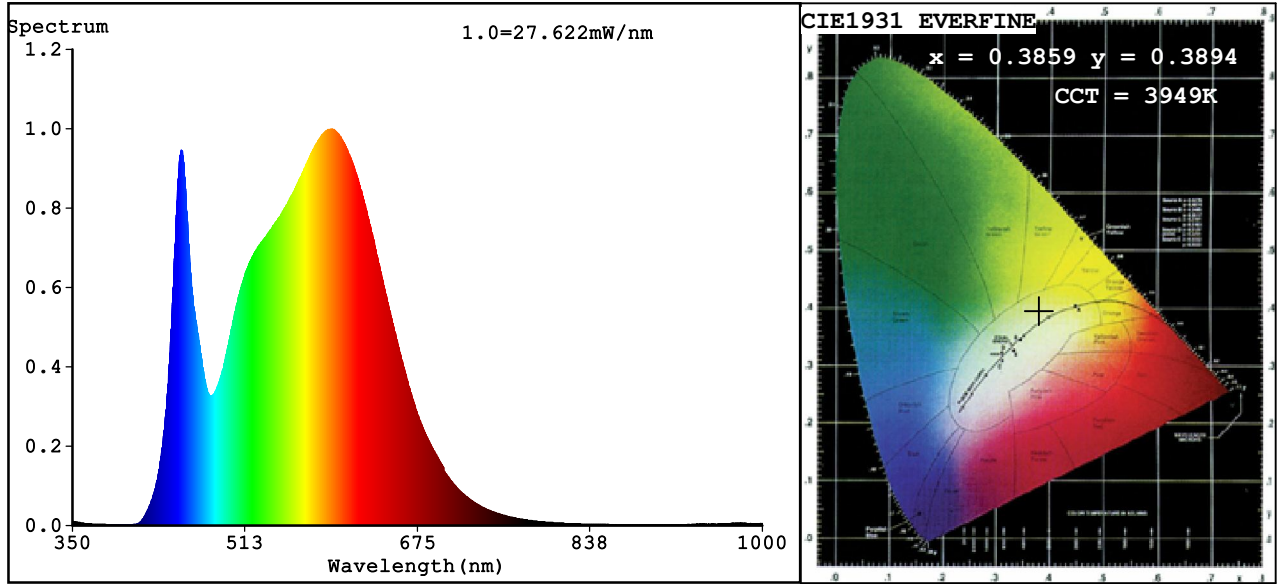
WHITE:ANSI\_4000K

Status: Integral T = 29 ms Ip = 51677 (79%)

Model:TRACY SUPER SLIM/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:95TRACYLED20  
 Date:2018-09-26 11:18  
 Humidity:65.0%  
 Remarks:SH18BG-JC-ELM01-1\_4872

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3859$   $y=0.3894$   $u'=0.2237$   $v'=0.5079$   
 CCT=3949K(Duv=0.0043) Dominant WL:Ld =577.3nm Purity=32.7%  
 Ratio:R=18.2% G=78.1% B=3.7%;;Peak WL:Lp=593.8nm FWHM=152.6nm  
 Render Index:Ra=83.5  
 R1 =81    R2 =90    R3 =97    R4 =82    R5 =81    R6 =86    R7 =87  
 R8 =65    R9 =9    R10=76    R11=81    R12=62    R13=83    R14=98    R15=74

**Photo Parameters:**

Flux = 1600 lm    Eff. : 76.21 lm/W    Fe = 4.845 W

**Electrical parameters:**

V = 229.85 V    I = 0.1626 A    P = 21.00 W PF = 0.5619

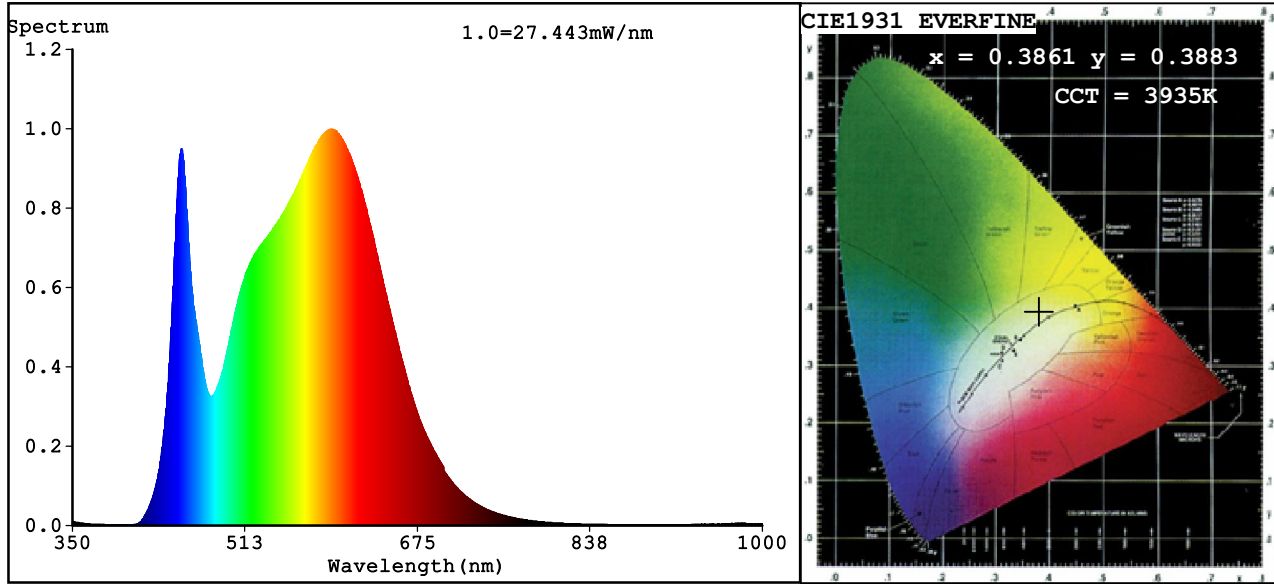
WHITE:ANSI\_4000K

Status: Integral T = 29 ms Ip = 51232 (78%)

Model:TRACY SUPER SLIM/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:95TRACYLED20  
 Date:2018-09-26 11:24  
 Humidity:65.0%  
 Remarks:SH18BG-JC-ELM01-1\_4872

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3861$   $y=0.3883$   $u'=0.2242$   $v'=0.5074$

CCT=3935K(Duv=0.0037) Dominant WL:Ld =577.5nm Purity=32.4%

Ratio:R=18.4% G=77.9% B=3.7%;;Peak WL:Lp=593.8nm FWHM=152.7nm

Render Index:Ra=83.8

R1 =82 R2 =90 R3 =97 R4 =82 R5 =82 R6 =87 R7 =87

R8 =65 R9 =10 R10=77 R11=81 R12=63 R13=84 R14=98 R15=75

**Photo Parameters:**

Flux = 1585 lm Eff. : 74.05 lm/W Fe = 4.812 W

**Electrical parameters:**

V = 229.94 V I = 0.1650 A P = 21.40 W PF = 0.5641

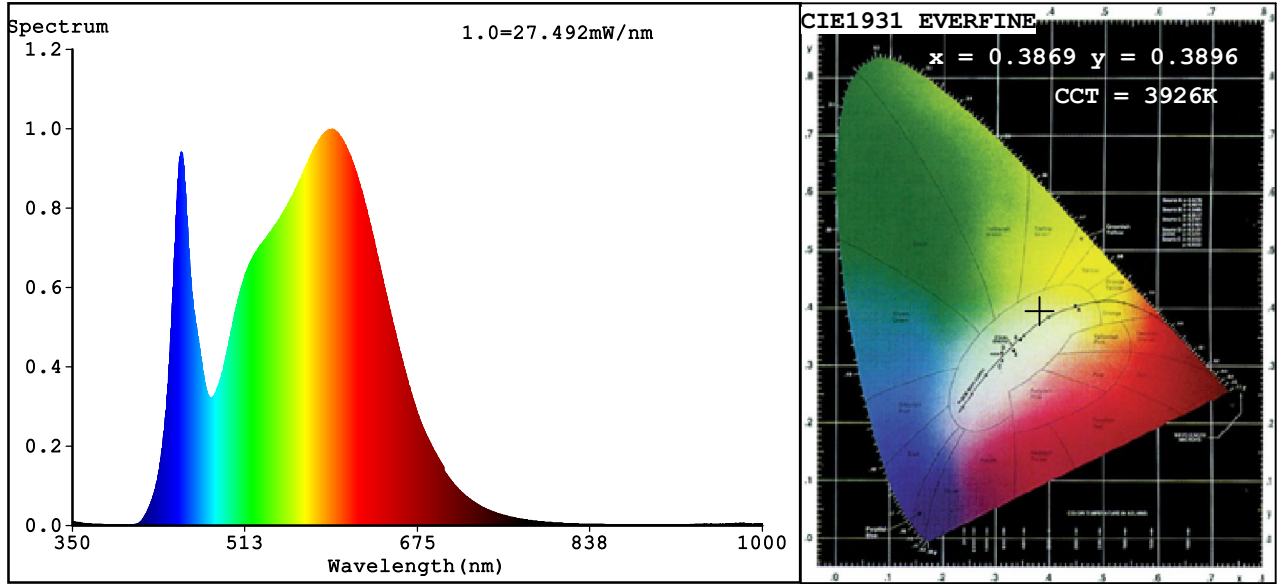
WHITE:ANSI\_4000K

Status: Integral T = 29 ms Ip = 50849 (78%)

Model:TRACY SUPER SLIM/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95TRACYLED20  
Date:2018-09-26 11:31  
Humidity:65.0%  
Remarks:SH18BG-JC-ELM01-1\_4872

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3869$   $y=0.3896$   $u'=0.2242$   $v'=0.5081$

CCT=3926K(Duv=0.0041) Dominant WL:Ld =577.4nm Purity=33.0%

Ratio:R=18.4% G=78.0% B=3.7%;;Peak WL:Lp=594.8nm FWHM=152.7nm

Render Index:Ra=83.6

R1 =81      R2 =90      R3 =97      R4 =82      R5 =81      R6 =86      R7 =87

R8 =65      R9 =9      R10=76      R11=81      R12=62      R13=84      R14=98      R15=74

**Photo Parameters:**

Flux = 1587 lm    Eff. : 76.40 lm/W    Fe = 4.807 W

**Electrical parameters:**

V = 229.93 V      I = 0.1613 A      P = 20.77 W PF = 0.5603

WHITE:ANSI\_4000K

Status: Integral T = 29 ms Ip = 50929 (78%)

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Model:TRACY SUPER SLIM/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95TRACYLED20  
Date:2018-09-26 11:36  
Humidity:65.0%  
Remarks:SH18BG-JC-ELM01-1\_4872