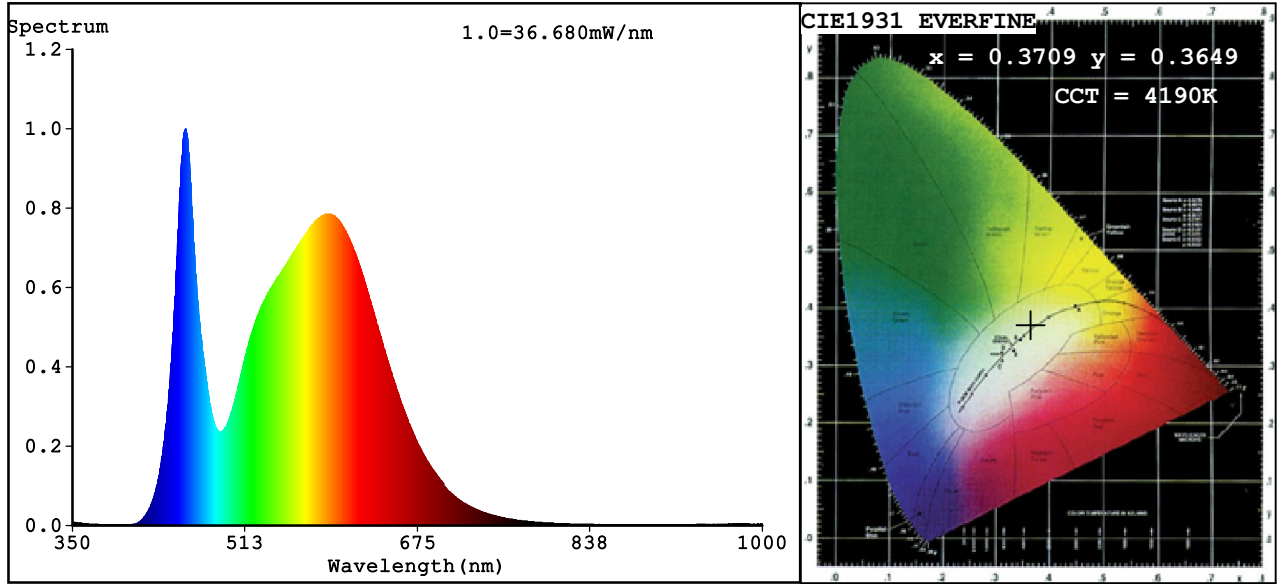


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate: $x=0.3709$   $y=0.3649$ / $u'=0.2235$   $v'=0.4948$   
CCT=4190K(Duv=-0.0028) Dominant WL:Ld =580.2nm Purity=20.8%  
Ratio:R=17.8% G=78.2% B=4.0%;;Peak WL:Lp=456.7nm FWHM=25.0nm  
Render Index:Ra=81.9  
R1 =81 R2 =90 R3 =94 R4 =78 R5 =80 R6 =84 R7 =85  
R8 =64 R9 =9 R10=74 R11=74 R12=56 R13=84 R14=97 R15=77

**Photo Parameters:**

Flux = 1667 lm Eff. : 87.49 lm/W Fe = 5.162 W

**Electrical parameters:**

V = 230.11 V I = 0.08693 A P = 19.06 W PF = 0.9527

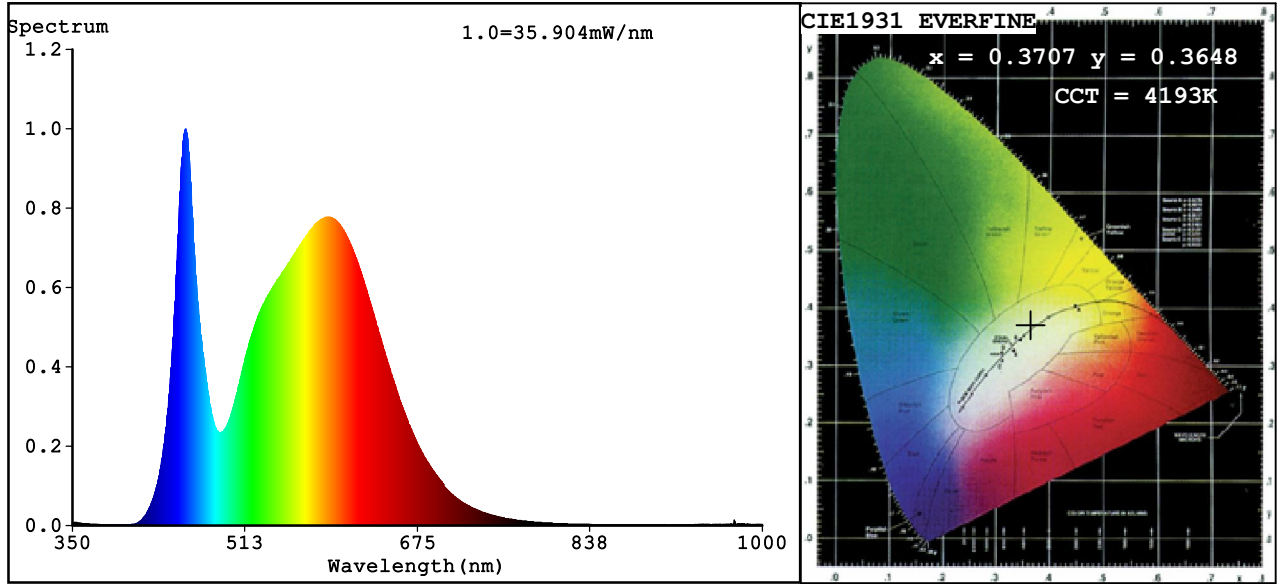
WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 51914 (79%)

Model:LED GLASS PANELS/18W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED644  
Date:2017-06-23 16:22  
Humidity:65.0%  
Remarks:017V009A\_3793

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3707$   $y=0.3648$   $u'=0.2234$   $v'=0.4947$   
 CCT=4193K(Duv=-0.0027) Dominant WL:Ld =580.2nm Purity=20.7%  
 Ratio:R=17.8% G=78.2% B=4.0%;;Peak WL:Lp=456.7nm FWHM=24.8nm  
 Render Index:Ra=81.9  
 R1 =81      R2 =90      R3 =94      R4 =78      R5 =80      R6 =84      R7 =85  
 R8 =64      R9 =9      R10=74      R11=74      R12=56      R13=84      R14=97      R15=77

**Photo Parameters:**

Flux = 1616 lm    Eff. : 86.57 lm/W    Fe = 5.004 W

**Electrical parameters:**

V = 230.10 V      I = 0.08513 A      P = 18.67 W PF = 0.9532

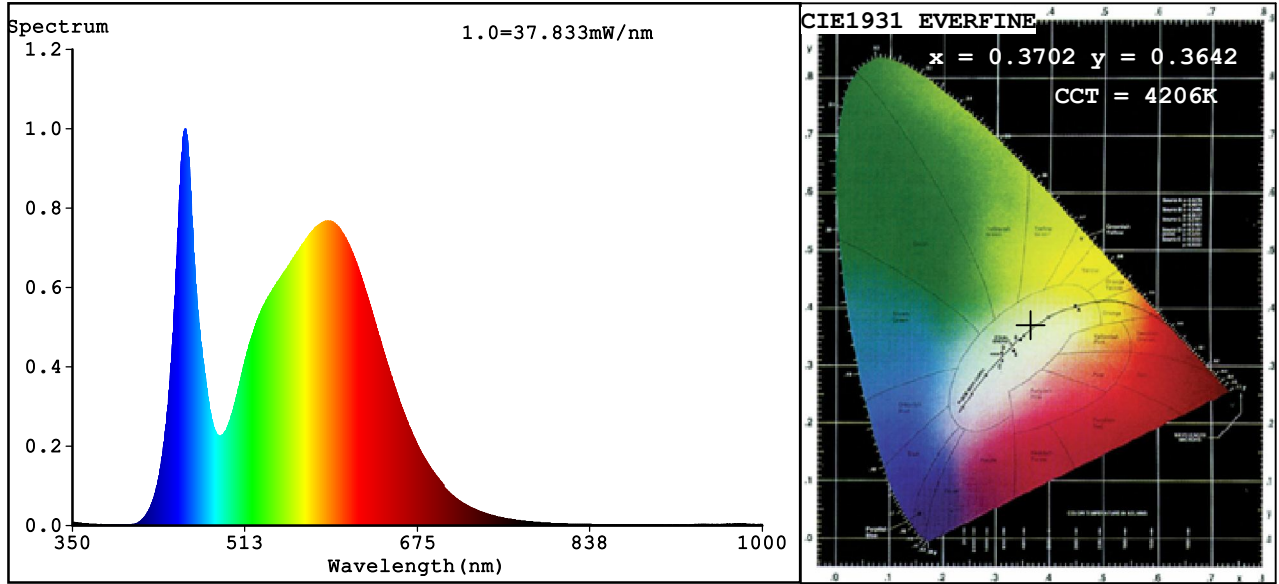
WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 50801 (78%)

Model:LED GLASS PANELS/18W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED644  
 Date:2017-06-23 16:25  
 Humidity:65.0%  
 Remarks:017V009A\_3793

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3702$   $y=0.3642$   $u'=0.2233$   $v'=0.4944$   
 CCT=4206K(Duv=-0.0028) Dominant WL:Ld =580.2nm Purity=20.4%  
 Ratio:R=17.7% G=78.3% B=3.9%;;Peak WL:Lp=456.7nm FWHM=24.3nm  
 Render Index:Ra=81.7  
 R1 =81      R2 =90      R3 =94      R4 =78      R5 =79      R6 =83      R7 =85  
 R8 =64      R9 =8      R10=73      R11=74      R12=55      R13=83      R14=97      R15=76

**Photo Parameters:**

Flux = 1683 lm    Eff. : 90.30 lm/W    Fe = 5.208 W

**Electrical parameters:**

V = 230.08 V      I = 0.08505 A      P = 18.64 W PF = 0.9526

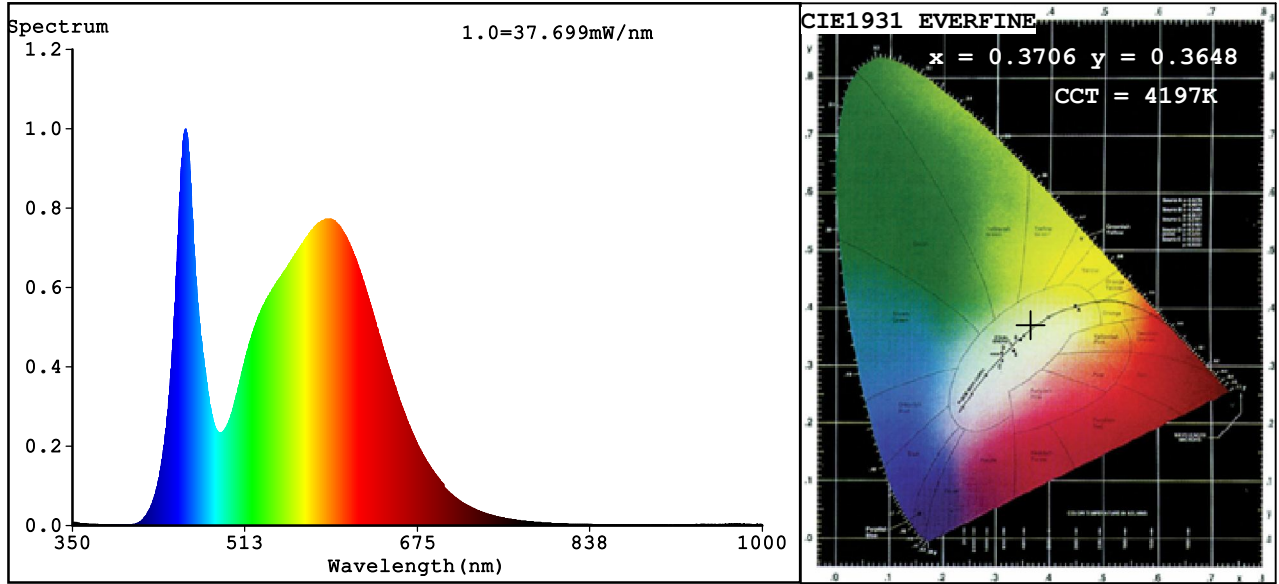
WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 53457 (82%)

Model:LED GLASS PANELS/18W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED644  
 Date:2017-06-23 16:30  
 Humidity:65.0%  
 Remarks:017V009A\_3793

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3706$   $y=0.3648$   $u'=0.2234$   $v'=0.4947$

CCT=4197K (Duv=-0.0027) Dominant WL:Ld =580.2nm Purity=20.7%

Ratio:R=17.8% G=78.2% B=4.0%;; Peak WL:Lp=456.7nm FWHM=24.6nm

Render Index:Ra=81.9

R1 =81	R2 =90	R3 =94	R4 =78	R5 =80	R6 =84	R7 =85	
R8 =64	R9 =9	R10=74	R11=74	R12=56	R13=84	R14=97	R15=77

**Photo Parameters:**

Flux = 1687 lm Eff. : 89.51 lm/W Fe = 5.221 W

**Electrical parameters:**

V = 230.10 V I = 0.08596 A P = 18.85 W PF = 0.9530

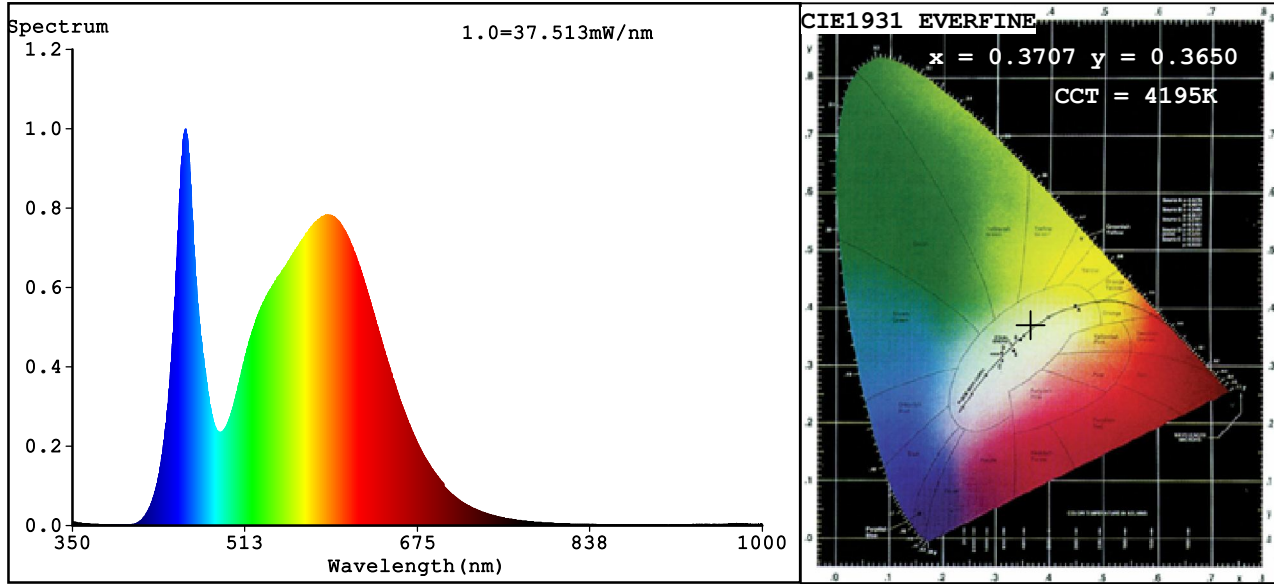
WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 53334 (81%)

Model:LED GLASS PANELS/18W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED644  
Date:2017-06-23 16:33  
Humidity:65.0%  
Remarks:017V009A\_3793

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3707$   $y=0.3650$   $u'=0.2234$   $v'=0.4948$

CCT=4195K(Duv=-0.0027) Dominant WL:Ld =580.1nm Purity=20.8%

Ratio:R=17.8% G=78.3% B=4.0%;;Peak WL:Lp=456.7nm FWHM=24.9nm

Render Index:Ra=81.8

R1 =81	R2 =90	R3 =94	R4 =78	R5 =80	R6 =84	R7 =85	
R8 =64	R9 =8	R10=74	R11=74	R12=56	R13=84	R14=97	R15=76

**Photo Parameters:**

Flux = 1701 lm Eff. : 89.01 lm/W Fe = 5.262 W

**Electrical parameters:**

V = 230.08 V I = 0.08707 A P = 19.11 W PF = 0.9538

WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 53010 (81%)

Model:LED GLASS PANELS/18W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:99LED644  
Date:2017-06-23 16:36  
Humidity:65.0%  
Remarks:017V009A\_3793