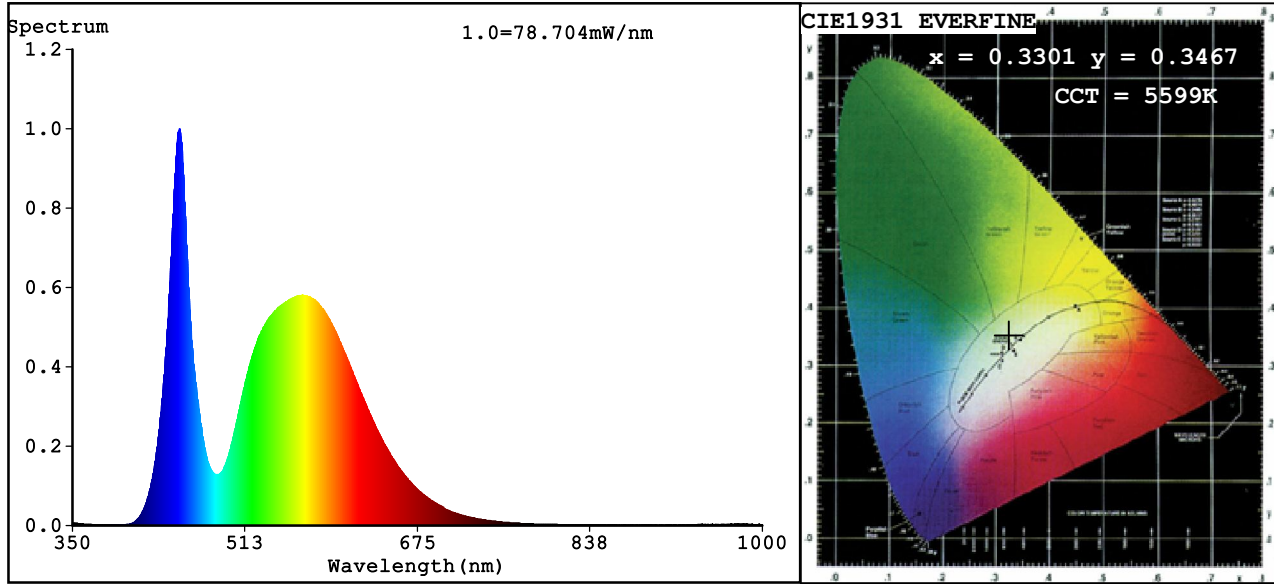


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3301$ $y=0.3467$ / $u'=0.2032$ $v'=0.4800$
CCT=5599K(Duv=0.0039) Dominant WL:Ld =540.4nm Purity=3.2%
Ratio:R=12.9% G=83.4% B=3.7%;; Peak WL:Lp=450.9nm FWHM=22.1nm
Render Index:Ra=71.6
R1 =68 R2 =77 R3 =82 R4 =71 R5 =69 R6 =68 R7 =82
R8 =55 R9 =0 R10=44 R11=67 R12=41 R13=69 R14=90 R15=63

Photo Parameters:

Flux = 2690 lm Eff. : 97.76 lm/W Fe = 8.069 W

Electrical parameters:

V = 220.15 V I = 0.1268 A P = 27.52 W PF = 0.9858

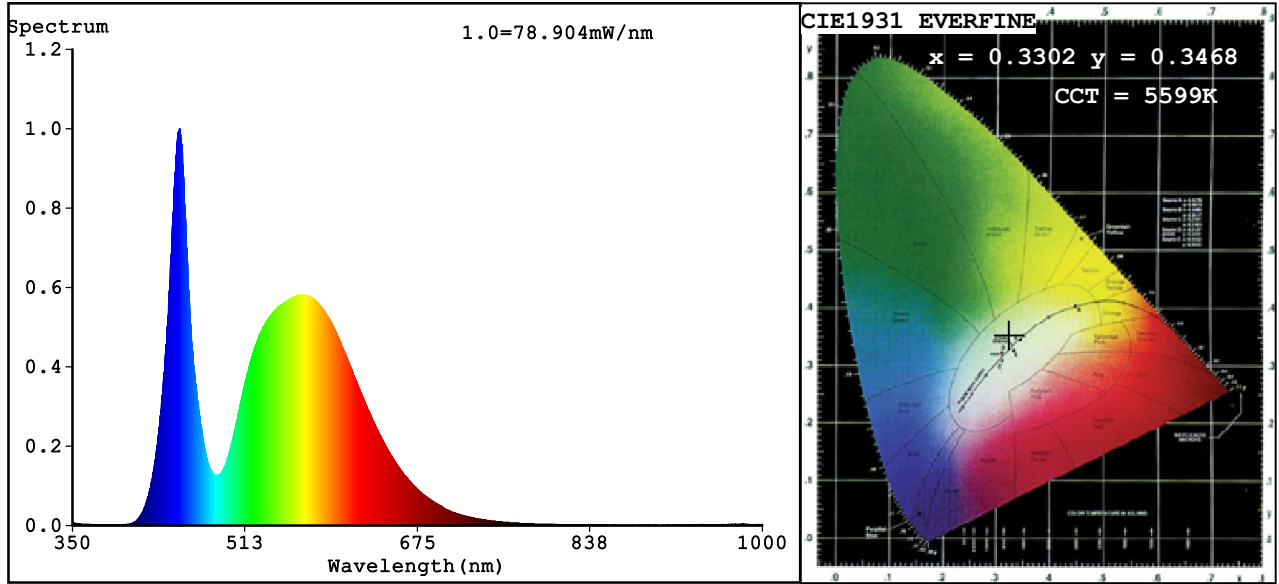
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 47870 (73%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 15:41
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3302$ $y=0.3468$ $u'=0.2032$ $v'=0.4801$

CCT=5599K (Duv=0.0039) Dominant WL:Ld =540.8nm Purity=3.2%

Ratio:R=12.9% G=83.5% B=3.7%;; Peak WL:Lp=450.9nm FWHM=22.2nm

Render Index:Ra=71.4

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =55	R9 =0	R10=44	R11=67	R12=41	R13=69	R14=90	R15=62

Photo Parameters:

Flux = 2701 lm Eff. : 99.19 lm/W Fe = 8.091 W

Electrical parameters:

V = 220.15 V I = 0.1255 A P = 27.23 W PF = 0.9857

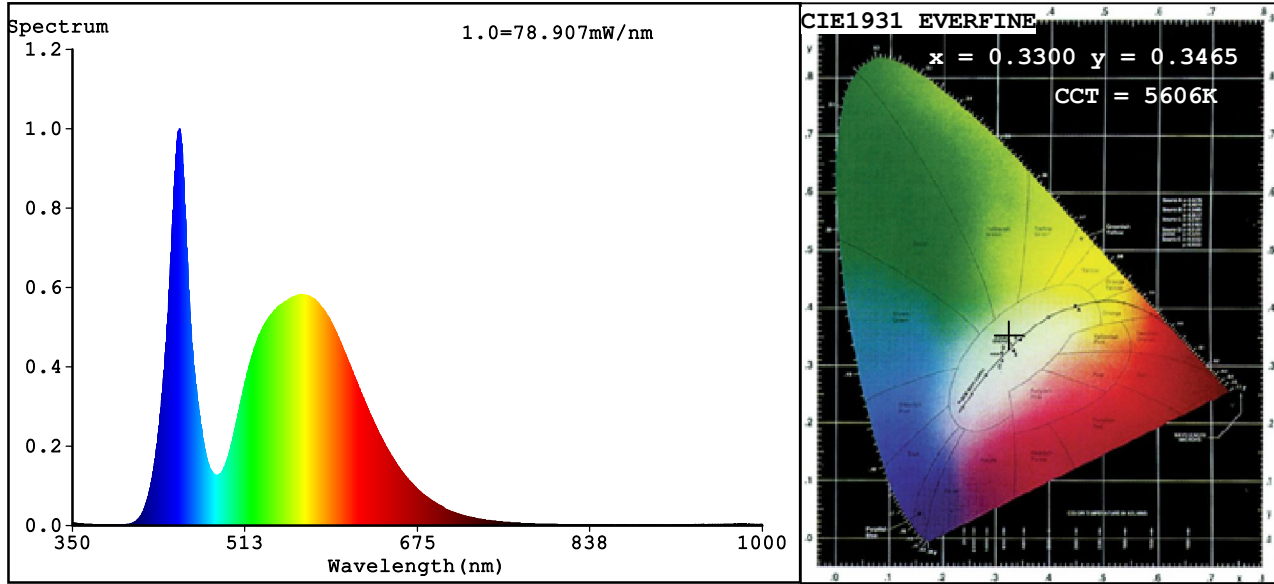
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 47994 (73%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 15:45
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3300$ $y=0.3465$ $u'=0.2031$ $v'=0.4799$

CCT=5606K(Duv=0.0039) Dominant WL:Ld =539.4nm Purity=3.1%

Ratio:R=12.9% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.3nm

Render Index:Ra=71.4

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =55	R9 =0	R10=44	R11=67	R12=41	R13=69	R14=90	R15=62

Photo Parameters:

Flux = 2704 lm Eff. : 98.71 lm/W Fe = 8.113 W

Electrical parameters:

V = 220.06 V I = 0.1263 A P = 27.39 W PF = 0.9857

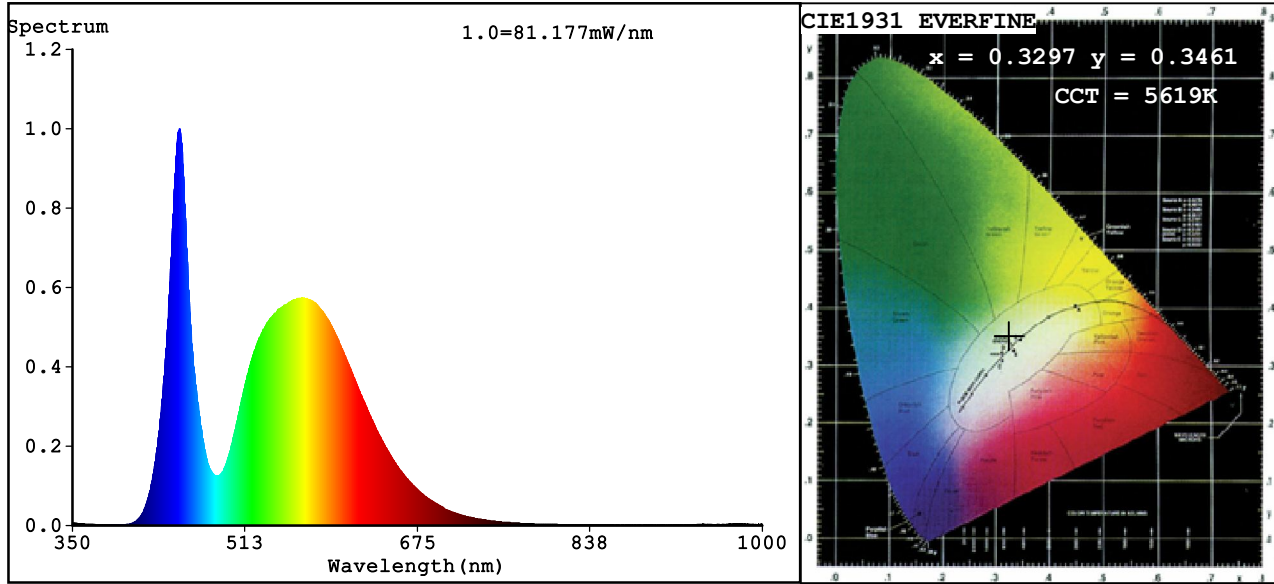
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 48017 (73%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 15:48
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3297$ $y=0.3461$ $u'=0.2031$ $v'=0.4797$

CCT=5619K(Duv=0.0038) Dominant WL:Ld =537.3nm Purity=2.9%

Ratio:R=12.9% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=21.9nm

Render Index:Ra=71.5

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =55	R9 =0	R10=44	R11=67	R12=41	R13=69	R14=90	R15=63

Photo Parameters:

Flux = 2741 lm Eff. : 98.94 lm/W Fe = 8.229 W

Electrical parameters:

V = 220.23 V I = 0.1276 A P = 27.70 W PF = 0.9859

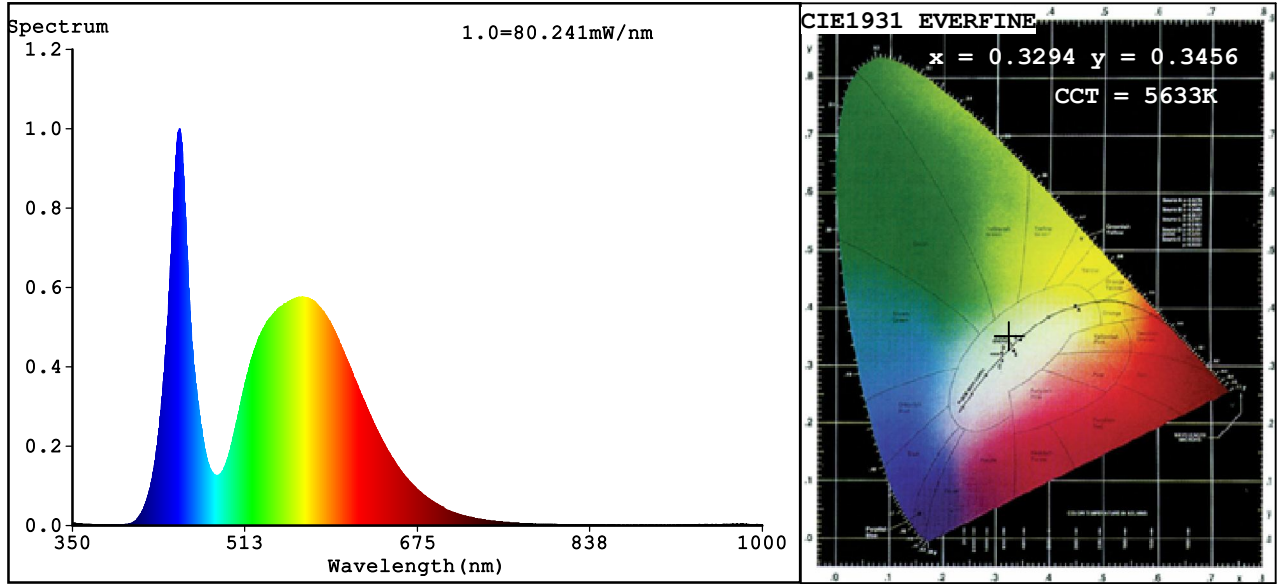
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 49374 (75%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 15:54
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3294$ $y=0.3456$ $u'=0.2030$ $v'=0.4794$

CCT=5633K(Duv=0.0037) Dominant WL:Ld =534.2nm Purity=2.7%

Ratio:R=12.9% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.2nm

Render Index:Ra=71.6

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =56	R9 =0	R10=44	R11=67	R12=41	R13=70	R14=90	R15=63

Photo Parameters:

Flux = 2722 lm Eff. : 99.41 lm/W Fe = 8.181 W

Electrical parameters:

V = 220.16 V I = 0.1262 A P = 27.38 W PF = 0.9859

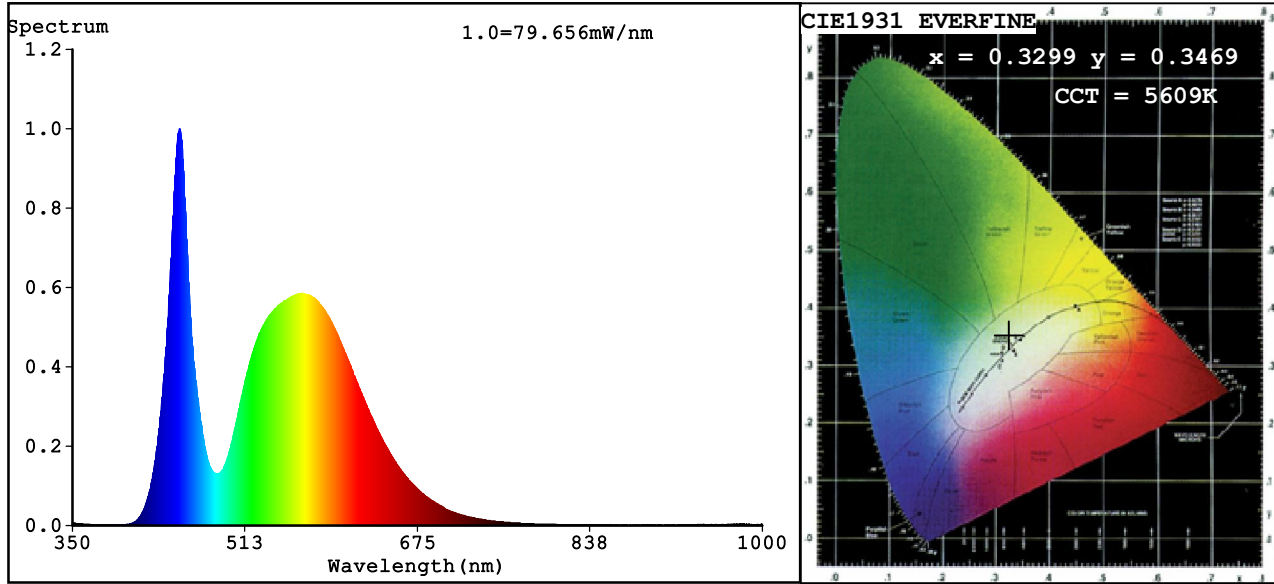
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 48812 (74%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 16:01
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3299$ $y=0.3469$ $u'=0.2029$ $v'=0.4801$

CCT=5609K(Duv=0.0041) Dominant WL:Ld =539.5nm Purity=3.2%

Ratio:R=12.9% G=83.4% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.3nm

Render Index:Ra=71.6

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =82	
R8 =55	R9 =0	R10=44	R11=67	R12=41	R13=69	R14=90	R15=62

Photo Parameters:

Flux = 2743 lm Eff. : 99.81 lm/W Fe = 8.223 W

Electrical parameters:

V = 220.13 V I = 0.1267 A P = 27.49 W PF = 0.9858

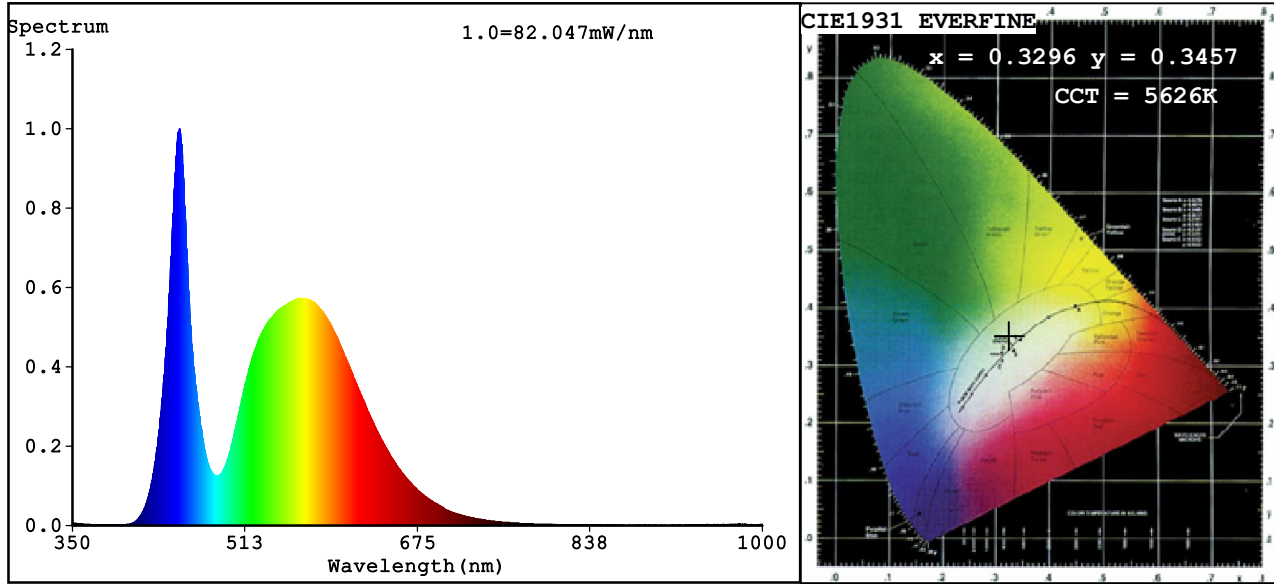
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 48469 (74%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 16:10
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3296$ $y=0.3457$ $u'=0.2031$ $v'=0.4795$

CCT=5626K(Duv=0.0036) Dominant WL:Ld =535.8nm Purity=2.8%

Ratio:R=12.9% G=83.4% B=3.7%;;Peak WL:Lp=450.9nm FWHM=21.9nm

Render Index:Ra=71.6

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =56	R9 =0	R10=44	R11=67	R12=41	R13=70	R14=90	R15=63

Photo Parameters:

Flux = 2767 lm Eff. : 100.34 lm/W Fe = 8.308 W

Electrical parameters:

V = 220.15 V I = 0.1271 A P = 27.57 W PF = 0.9858

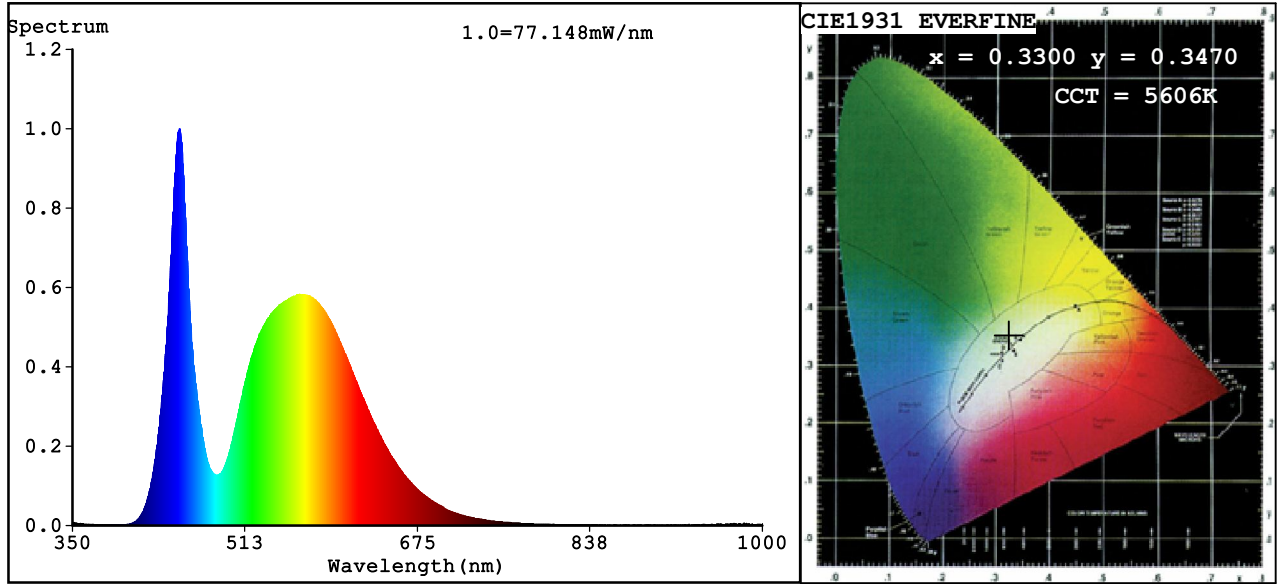
WHITE:ANSI_5700K

Status: Integral T = 10 ms Ip = 49906 (76%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-13 16:15
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3300$ $y=0.3470$ $u'=0.2029$ $v'=0.4802$

CCT=5606K(Duv=0.0041) Dominant WL:Ld =540.0nm Purity=3.2%

Ratio:R=12.8% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.2nm

Render Index:Ra=71.4

R1 =68	R2 =77	R3 =82	R4 =71	R5 =69	R6 =68	R7 =81	
R8 =55	R9 =0	R10=44	R11=67	R12=41	R13=69	R14=90	R15=62

Photo Parameters:

Flux = 2645 lm Eff. : 96.00 lm/W Fe = 7.919 W

Electrical parameters:

V = 219.98 V I = 0.1270 A P = 27.55 W PF = 0.9859

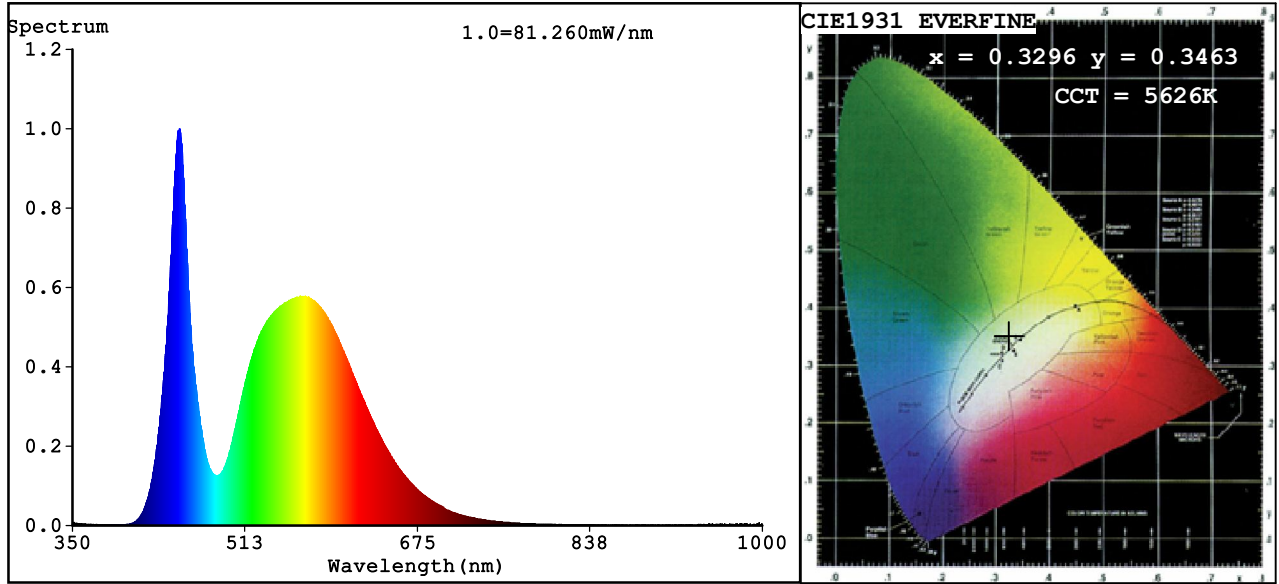
WHITE:ANSI_5700K

Status: Integral T = 9 ms Ip = 42319 (65%)

Model:VEGA30 SLIM/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA30SLIM
Date:2016-07-18 08:31
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3296$ $y=0.3463$ $u'=0.2029$ $v'=0.4797$
 CCT=5626K(Duv=0.0039) Dominant WL:Ld =536.7nm Purity=2.9%
 Ratio:R=12.8% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.1nm
 Render Index:Ra=71.4
 R1 =68 R2 =77 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
 R8 =55 R9 =0 R10=44 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 2764 lm Eff. : 100.30 lm/W Fe = 8.286 W

Electrical parameters:

V = 220.03 V I = 0.1270 A P = 27.55 W PF = 0.9859

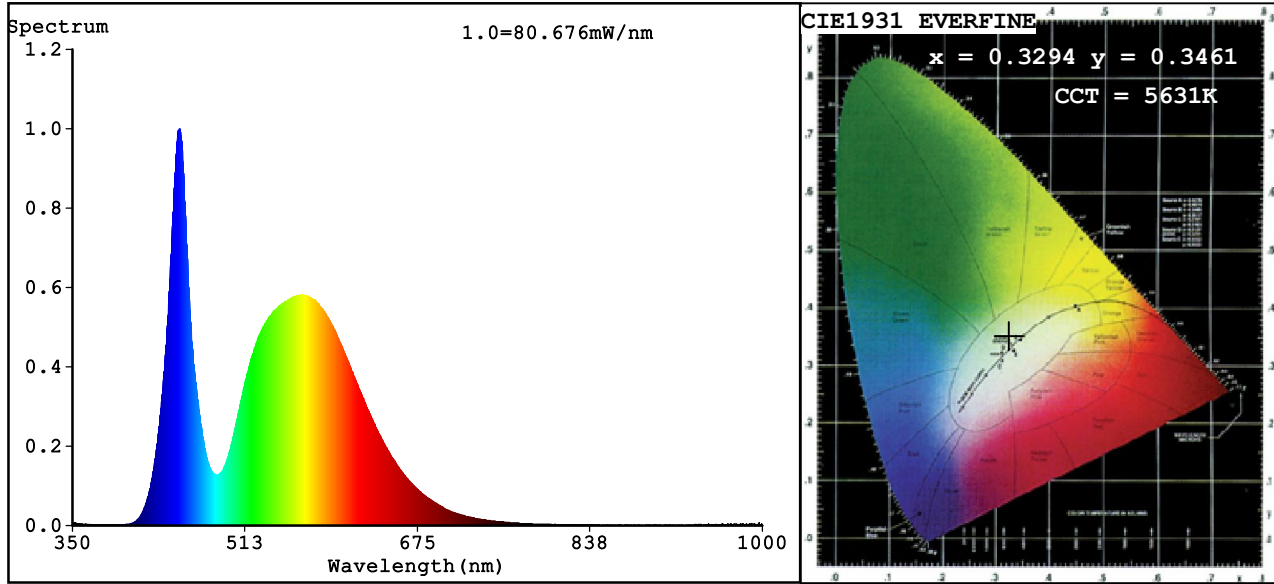
WHITE:ANSI_5700K

Status: Integral T = 9 ms Ip = 44500 (68%)

Model:VEGA30 SLIM/30W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA30SLIM
 Date:2016-07-18 08:51
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3294$ $y=0.3461$ / $u'=0.2029$ $v'=0.4796$
 CCT=5631K (Duv=0.0039) Dominant WL:Ld =535.6nm Purity=2.9%
 Ratio:R=12.8% G=83.5% B=3.7%; Peak WL:Lp=450.9nm FWHM=22.3nm
 Render Index:Ra=71.5
 R1 =68 R2 =77 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
 R8 =55 R9 =0 R10=44 R11=67 R12=41 R13=69 R14=90 R15=63

Photo Parameters:

Flux = 2757 lm Eff. : 99.96 lm/W Fe = 8.266 W

Electrical parameters:

V = 220.03 V I = 0.1271 A P = 27.58 W PF = 0.9860

WHITE:ANSI_5700K

Status: Integral T = 9 ms Ip = 44279 (68%)

Model:VEGA30 SLIM/30W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA30SLIM
 Date:2016-07-18 08:53
 Humidity:65.0%
 Remarks:016F006_2941