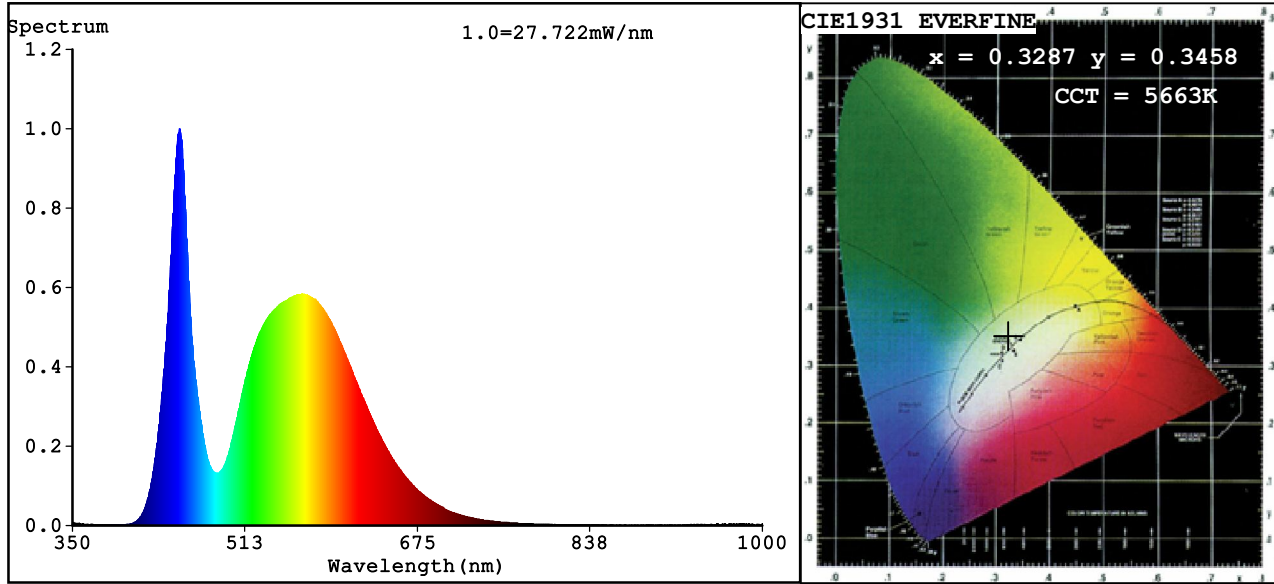


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3287$ $y=0.3458$ $u'=0.2025$ $v'=0.4794$
 CCT=5663K(Duv=0.0041) Dominant WL:Ld =530.7nm Purity=2.7%
 Ratio:R=12.8% G=83.5% B=3.7%;;Peak WL:Lp=451.0nm FWHM=22.7nm
 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=70 R14=90 R15=63

Photo Parameters:

Flux = 952.9 lm Eff. : 101.96 lm/W Fe = 2.858 W

Electrical parameters:

V = 220.08 V I = 0.04354 A P = 9.346 W PF = 0.9754

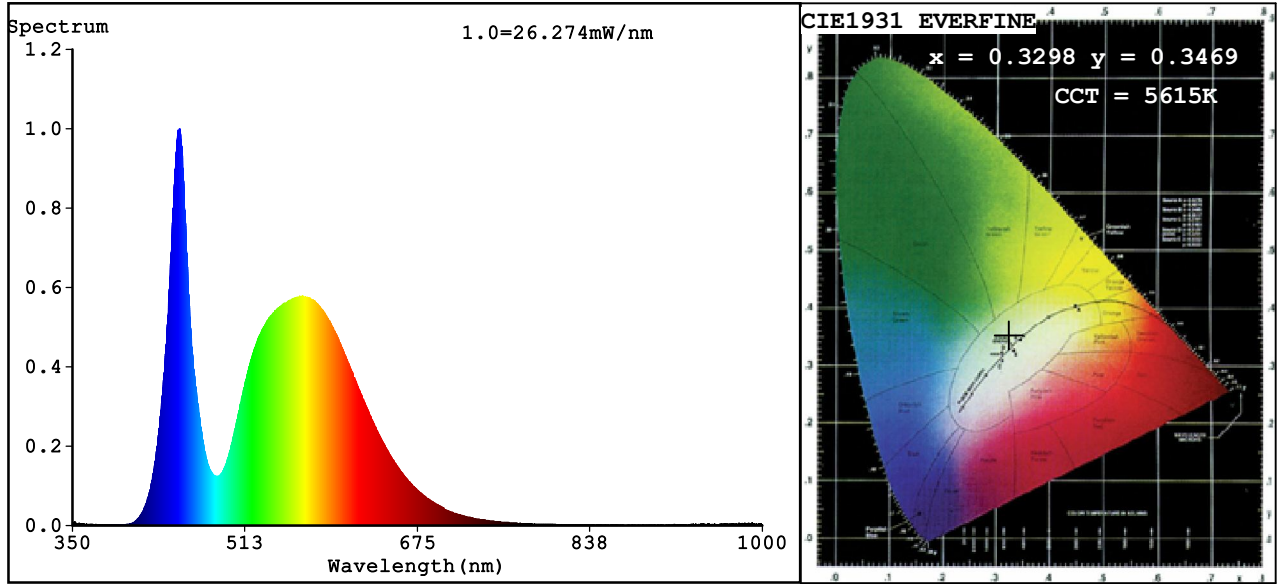
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 47220 (72%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:12
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3298$ $y=0.3469$ $u'=0.2028$ $v'=0.4801$
 CCT=5615K(Duv=0.0042) Dominant WL:Ld =539.0nm Purity=3.2%
 Ratio:R=12.8% G=83.6% B=3.6%;;Peak WL:Lp=450.9nm FWHM=21.9nm
 Render Index:Ra=71.2
 R1 =68 R2 =76 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
 R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 893.1 lm Eff. : 97.25 lm/W Fe = 2.673 W

Electrical parameters:

V = 220.07 V I = 0.04282 A P = 9.184 W PF = 0.9745

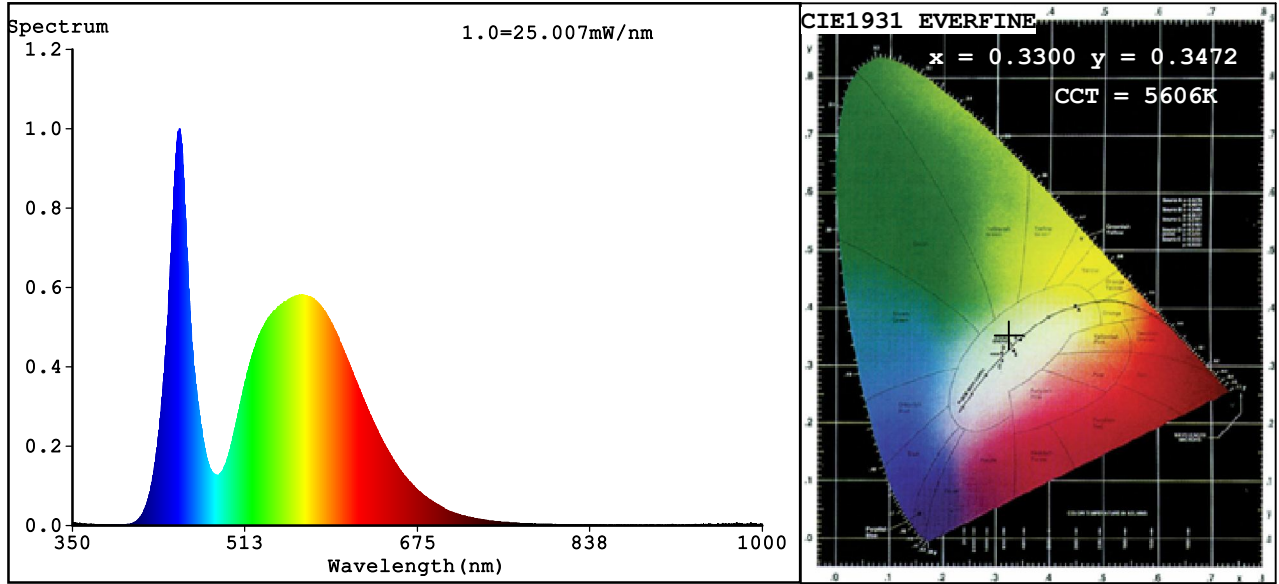
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 44844 (68%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:17
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3300$ $y=0.3472$ $u'=0.2029$ $v'=0.4803$
 CCT=5606K(Duv=0.0042) Dominant WL:Ld =540.5nm Purity=3.3%
 Ratio:R=12.8% G=83.5% B=3.7%;;Peak WL:Lp=450.9nm FWHM=22.2nm
 Render Index:Ra=71.3
 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 = 855.6 lm Eff. : 92.52 lm/W Fe = 2.558 W

Electrical parameters:

V = 220.11 V I = 0.04310 A P = 9.248 W PF = 0.9750

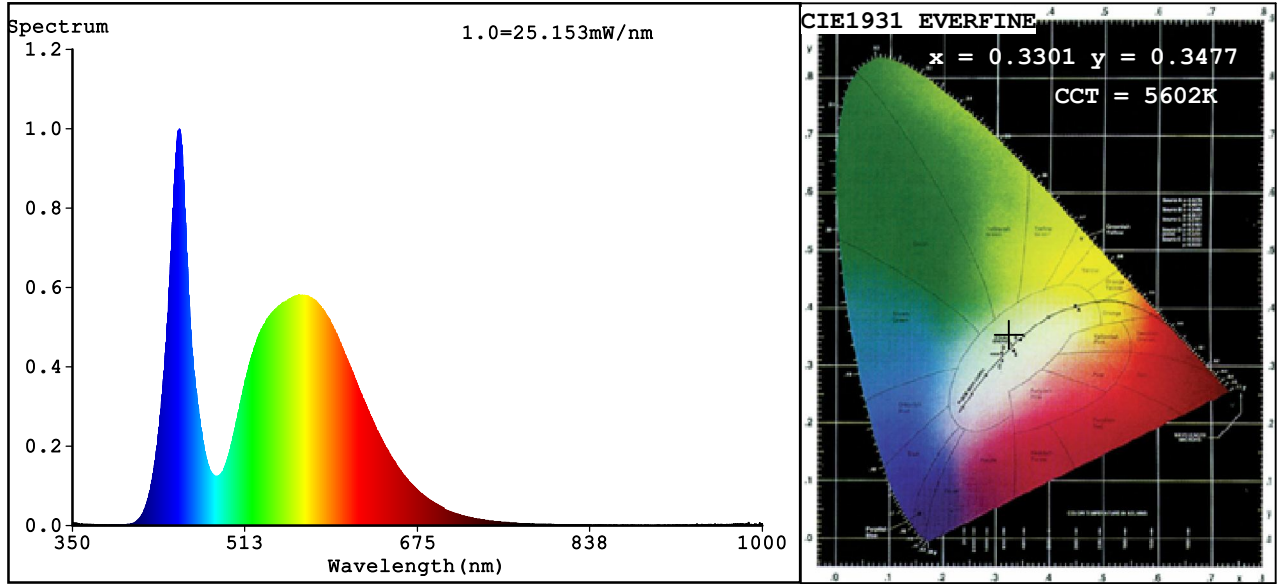
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 42597 (65%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:22
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3301$ $y=0.3477$ / $u'=0.2028$ $v'=0.4805$
 CCT=5602K (Duv=0.0044) Dominant WL:Ld =541.4nm Purity=3.5%
 Ratio:R=12.8% G=83.6% B=3.6%; Peak WL:Lp=450.9nm FWHM=22.0nm
 Render Index:Ra=71.1
 R1 =67 R2 =76 R3 =82 R4 =71 R5 =69 R6 =67 R7 =81
 R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 860.4 lm Eff. : 93.35 lm/W Fe = 2.566 W

Electrical parameters:

V = 220.17 V I = 0.04293 A P = 9.217 W PF = 0.9751

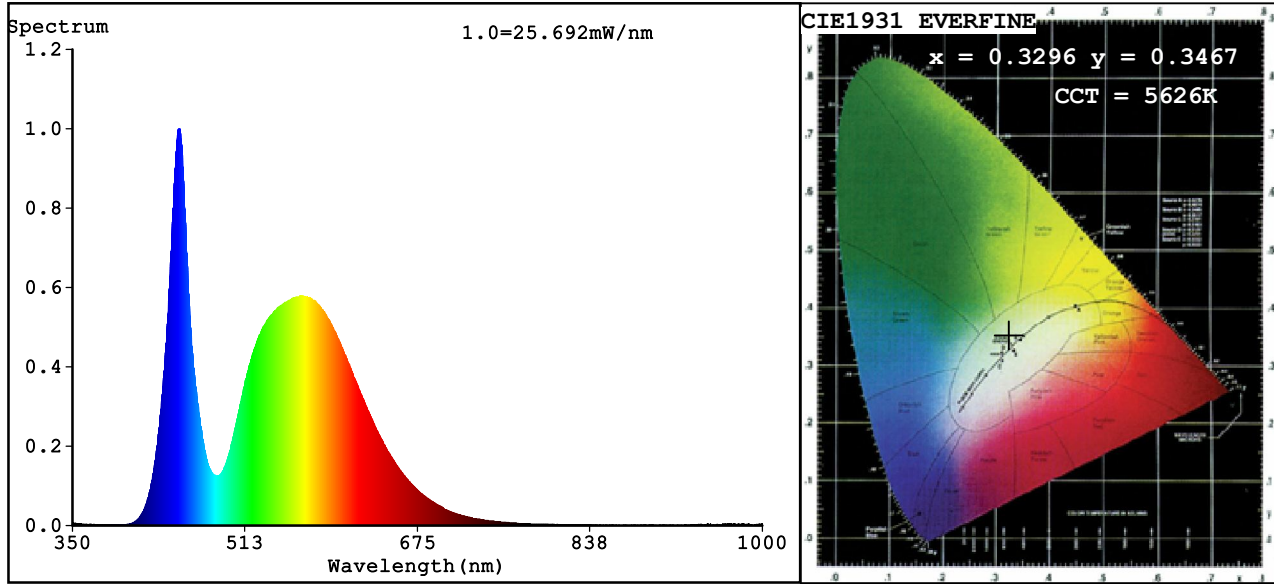
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 42833 (65%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:24
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3296$ $y=0.3467$ / $u'=0.2028$ $v'=0.4800$
CCT=5626K (Duv=0.0042) Dominant WL:Ld =537.4nm Purity=3.1%
Ratio:R=12.8% G=83.6% B=3.6%; Peak WL:Lp=449.9nm FWHM=22.1nm
Render Index:Ra=71.3
R1 =68 R2 =76 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 875.1 lm Eff. : 93.84 lm/W Fe = 2.616 W

Electrical parameters:

V = 220.17 V I = 0.04344 A P = 9.326 W PF = 0.9750

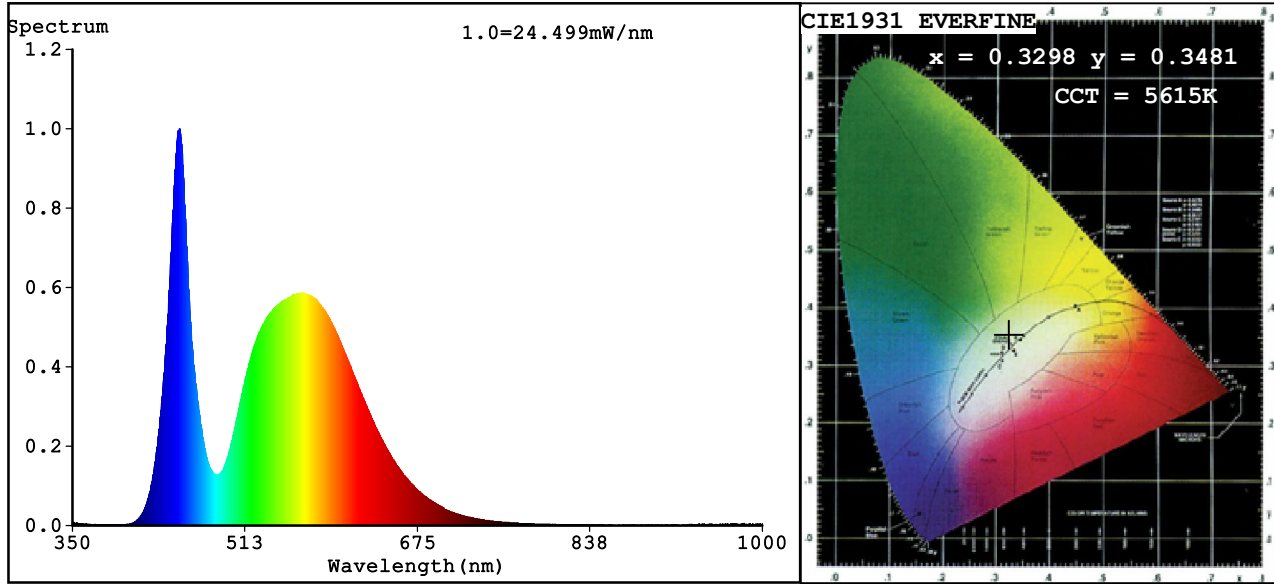
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 43806 (67%)

Model:VEGA10 SLIM/10W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA10SLIM
Date:2016-07-13 13:26
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3298$ $y=0.3481$ / $u'=0.2024$ $v'=0.4807$
CCT=5615K (Duv=0.0047) Dominant WL:Ld =540.5nm Purity=3.5%
Ratio:R=12.8% G=83.6% B=3.7%;; Peak WL:Lp=450.9nm FWHM=22.3nm
Render Index:Ra=71.2
R1 =67 R2 =76 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 845.2 lm Eff. : 89.71 lm/W Fe = 2.520 W

Electrical parameters:

V = 220.17 V I = 0.04387 A P = 9.422 W PF = 0.9755

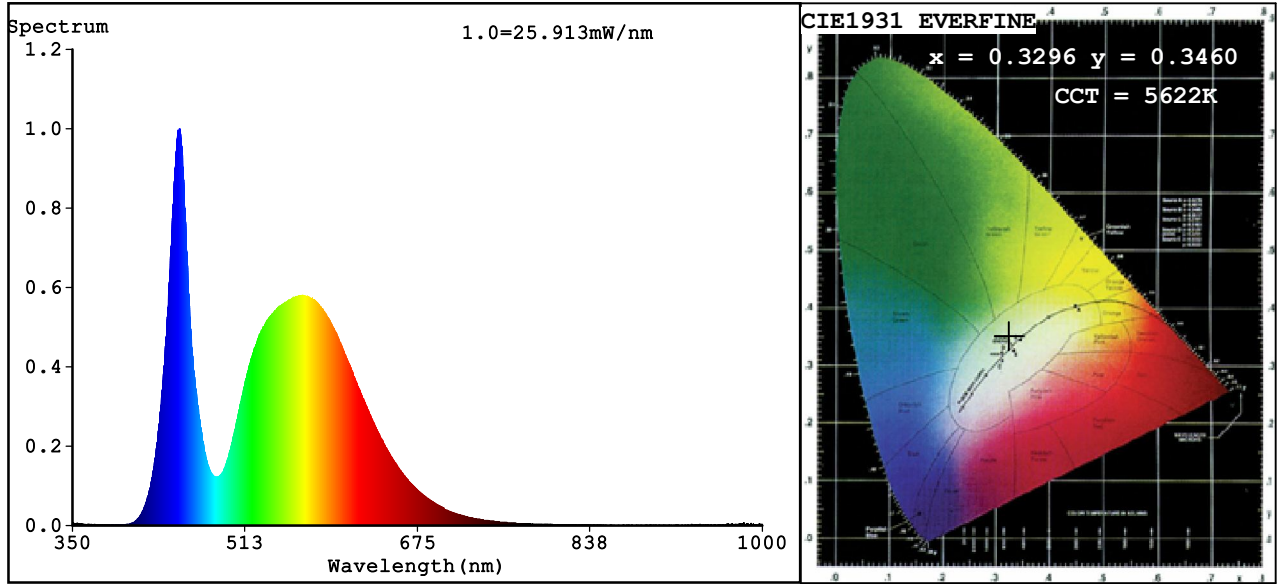
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 41722 (64%)

Model:VEGA10 SLIM/10W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98VEGA10SLIM
Date:2016-07-13 13:30
Humidity:65.0%
Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3296$ $y=0.3460$ $u'=0.2031$ $v'=0.4796$
 CCT=5622K (Duv=0.0038) Dominant WL:Ld =536.6nm Purity=2.9%
 Ratio:R=12.8% G=83.6% B=3.6%;; Peak WL:Lp=450.9nm FWHM=22.4nm
 Render Index:Ra=71.2
 R1 =68 R2 =76 R3 =81 R4 =71 R5 =69 R6 =67 R7 =81
 R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 883.6 lm Eff. : 95.47 lm/W Fe = 2.645 W

Electrical parameters:

V = 220.15 V I = 0.04310 A P = 9.255 W PF = 0.9754

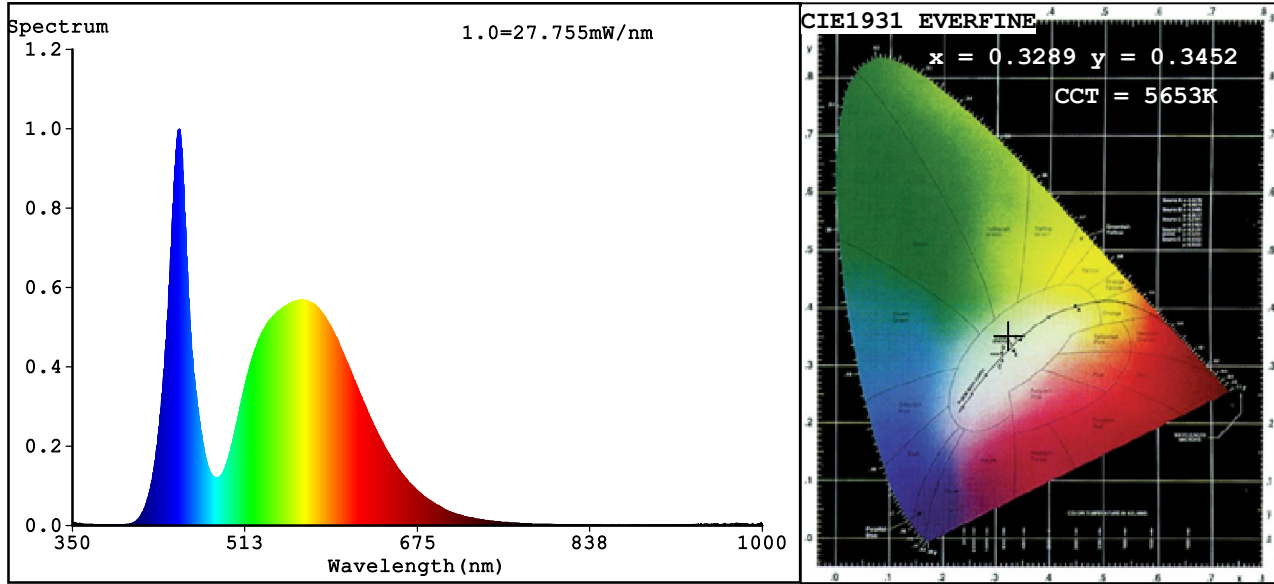
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 44135 (67%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:33
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3289$ $y=0.3452$ $u'=0.2029$ $v'=0.4791$
 CCT=5653K(Duv=0.0037) Dominant WL:Ld =530.7nm Purity=2.5%
 Ratio:R=12.8% G=83.6% B=3.6%;;Peak WL:Lp=450.9nm FWHM=22.0nm
 Render Index:Ra=71.3
 R1 =68 R2 =76 R3 =81 R4 =71 R5 =69 R6 =67 R7 =81
 R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=89 R15=62

Photo Parameters:

Flux = 930.1 lm Eff. : 99.42 lm/W Fe = 2.792 W

Electrical parameters:

V = 220.16 V I = 0.04356 A P = 9.355 W PF = 0.9755

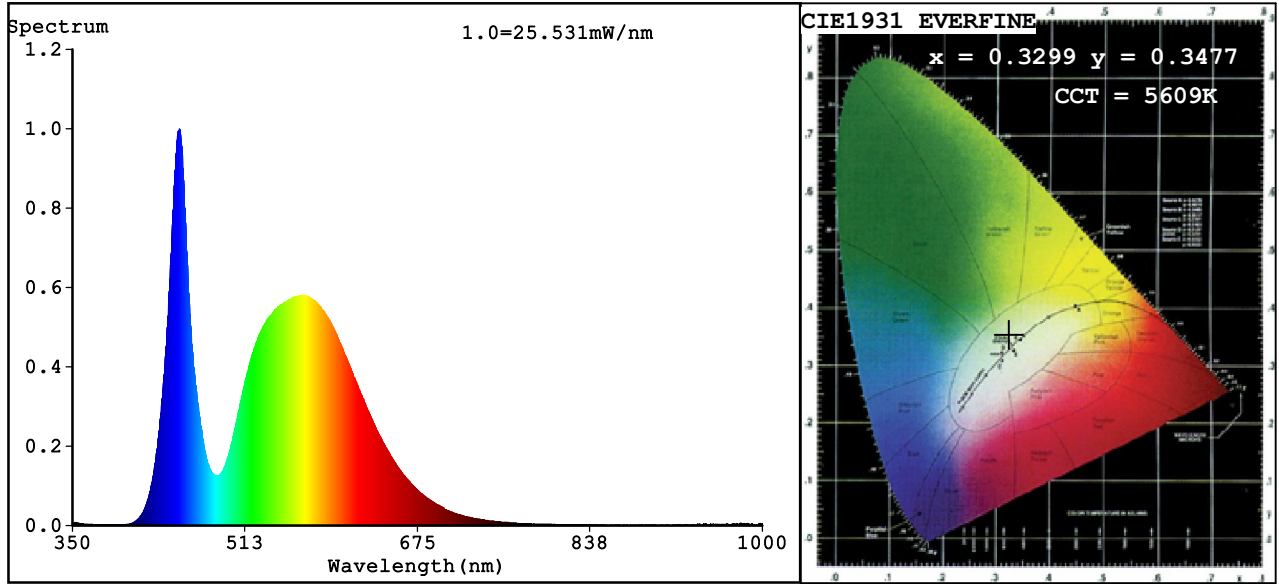
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 47280 (72%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:39
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3299$ $y=0.3477$ $u'=0.2026$ $v'=0.4805$
 CCT=5609K(Duv=0.0045) Dominant WL:Ld =540.8nm Purity=3.5%
 Ratio:R=12.8% G=83.6% B=3.6%;;Peak WL:Lp=450.9nm FWHM=22.0nm
 Render Index:Ra=71.2
 R1 =67 R2 =76 R3 =82 R4 =71 R5 =69 R6 =68 R7 =81
 R8 =55 R9 =0 R10=43 R11=67 R12=41 R13=69 R14=90 R15=62

Photo Parameters:

Flux = 871.3 lm Eff. : 92.92 lm/W Fe = 2.600 W

Electrical parameters:

V = 220.14 V I = 0.04368 A P = 9.377 W PF = 0.9752

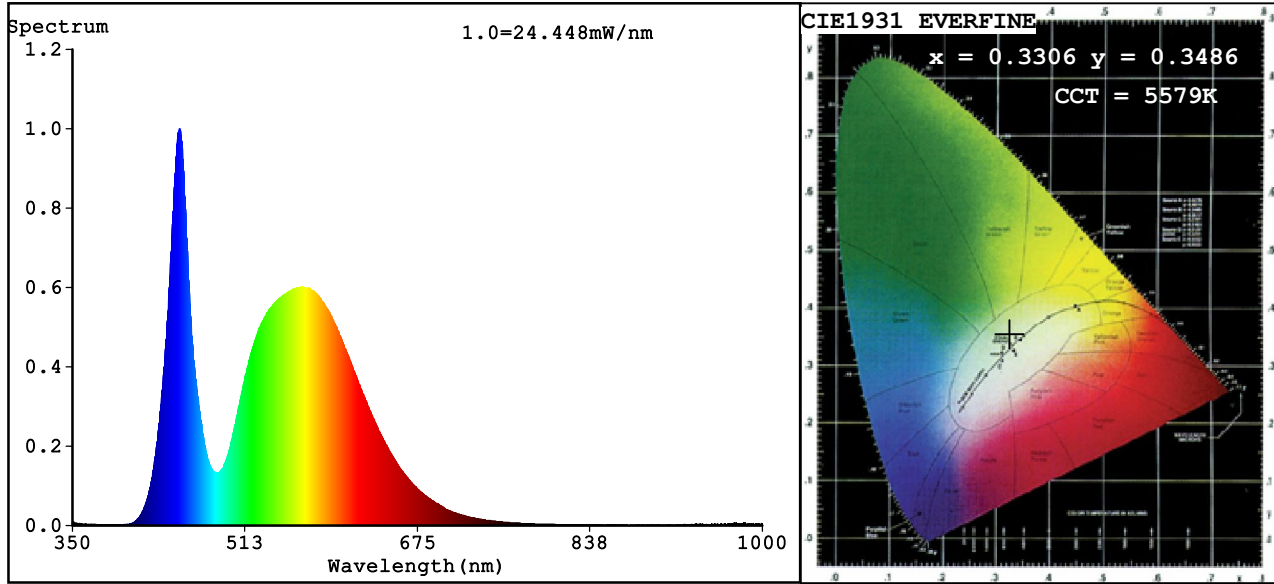
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 43486 (66%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:42
 Humidity:65.0%
 Remarks:016F006_2941

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3306$ $y=0.3486$ $u'=0.2028$ $v'=0.4811$
 CCT=5579K(Duv=0.0046) Dominant WL:Ld =544.7nm Purity=3.9%
 Ratio:R=12.8% G=83.5% B=3.7%;; Peak WL:Lp=450.9nm FWHM=22.9nm
 Render Index:Ra=71.2
 R1 =67 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 = 865.2 lm Eff. : 91.81 lm/W Fe = 2.582 W

Electrical parameters:

V = 220.15 V I = 0.04386 A P = 9.424 W PF = 0.9760

WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 41713 (64%)

Model:VEGA10 SLIM/10W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA10SLIM
 Date:2016-07-13 13:46
 Humidity:65.0%
 Remarks:016F006_2941