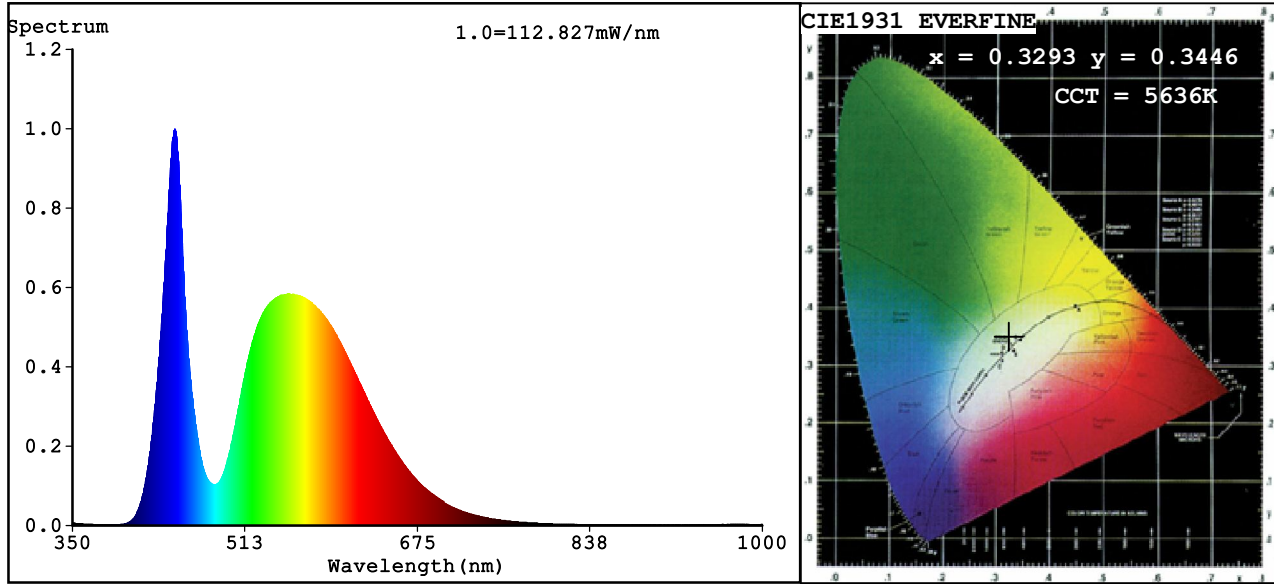


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3293$ $y=0.3446$ / $u'=0.2034$ $v'=0.4789$
 CCT=5636K (Duv=0.0032) Dominant WL:Ld =531.7nm Purity=2.4%
 Ratio:R=13.1% G=83.7% B=3.2%; Peak WL:Lp=446.5nm FWHM=23.8nm
 Render Index:Ra=71.2
 R1 =70 R2 =74 R3 =76 R4 =73 R5 =71 R6 =66 R7 =79
 R8 =60 R9 =0 R10=38 R11=71 R12=43 R13=69 R14=87 R15=65

Photo Parameters:

Flux = 3929 lm Eff. : 84.54 lm/W Fe = 12.10 W

Electrical parameters:

V = 229.83 V I = 0.2086 A P = 46.47 W PF = 0.9691

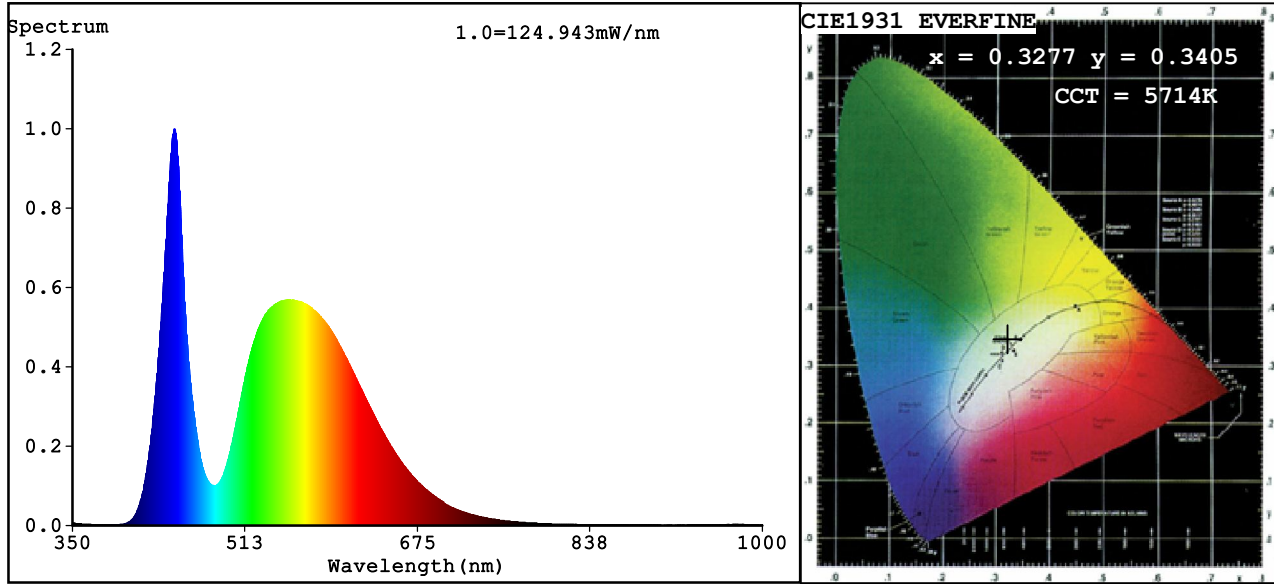
WHITE:ANSI_5700K

Status: Integral T = 8 ms Ip = 38775 (59%)

Model:HELIOS SMD/50W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98HELIOS50
 Date:2018-04-16 09:55
 Humidity:65.0%
 Remarks:017V060B_4394

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3277$ $y=0.3405$ $u'=0.2038$ $v'=0.4766$

CCT=5714K (Duv=0.0019) Dominant WL:Ld =509.5nm Purity=1.8%

Ratio:R=13.2% G=83.6% B=3.2%; Peak WL:Lp=445.9nm FWHM=24.2nm

Render Index:Ra=71.5

R1 =70	R2 =74	R3 =76	R4 =74	R5 =72	R6 =66	R7 =79	
R8 =61	R9 =0	R10=38	R11=72	R12=44	R13=70	R14=86	R15=66

Photo Parameters:

Flux = 4250 lm Eff. : 90.89 lm/W Fe = 13.22 W

Electrical parameters:

V = 229.74 V I = 0.2102 A P = 46.76 W PF = 0.9683

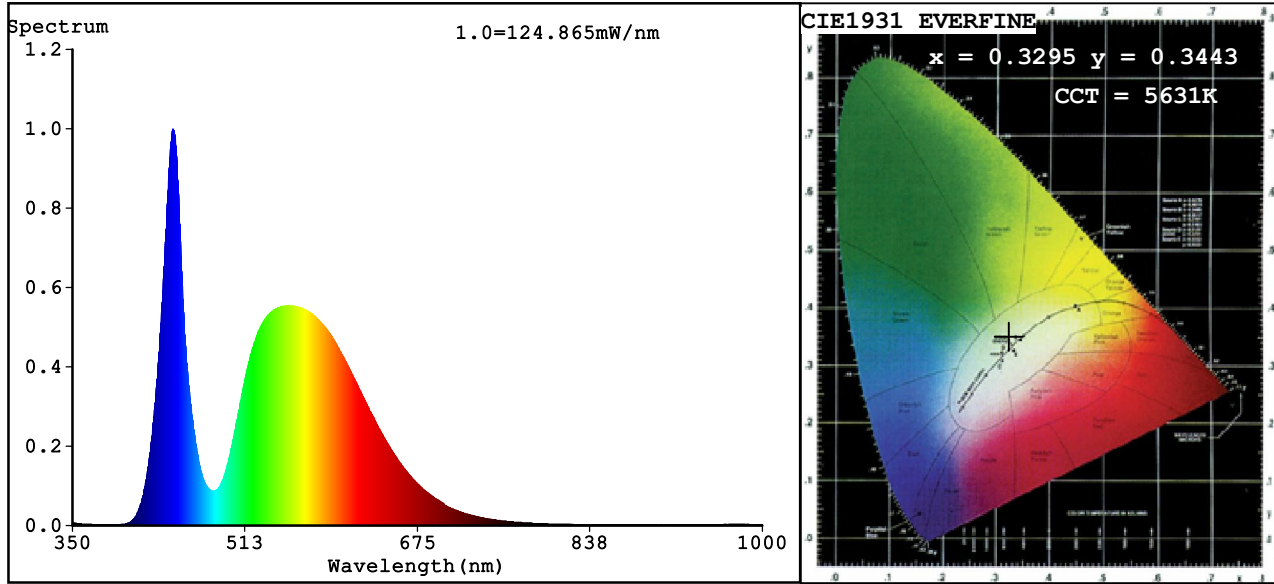
WHITE:ANSI_5700K

Status: Integral T = 8 ms Ip = 42958 (66%)

Model:HELIOS SMD/50W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98HELIOS50
Date:2018-04-16 10:25
Humidity:65.0%
Remarks:017V060B_4394

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3295$ $y=0.3443$ $u'=0.2036$ $v'=0.4788$
 CCT=5631K(Duv=0.0030) Dominant WL:Ld =532.1nm Purity=2.4%
 Ratio:R=13.1% G=83.8% B=3.0%;;Peak WL:Lp=444.5nm FWHM=22.3nm
 Render Index:Ra=70.5
 R1 =69 R2 =73 R3 =75 R4 =73 R5 =71 R6 =65 R7 =78
 R8 =60 R9 =0 R10=36 R11=71 R12=43 R13=69 R14=86 R15=64

Photo Parameters:

Flux = 4136 lm Eff. : 87.57 lm/W Fe = 12.72 W

Electrical parameters:

V = 229.77 V I = 0.2117 A P = 47.23 W PF = 0.9712

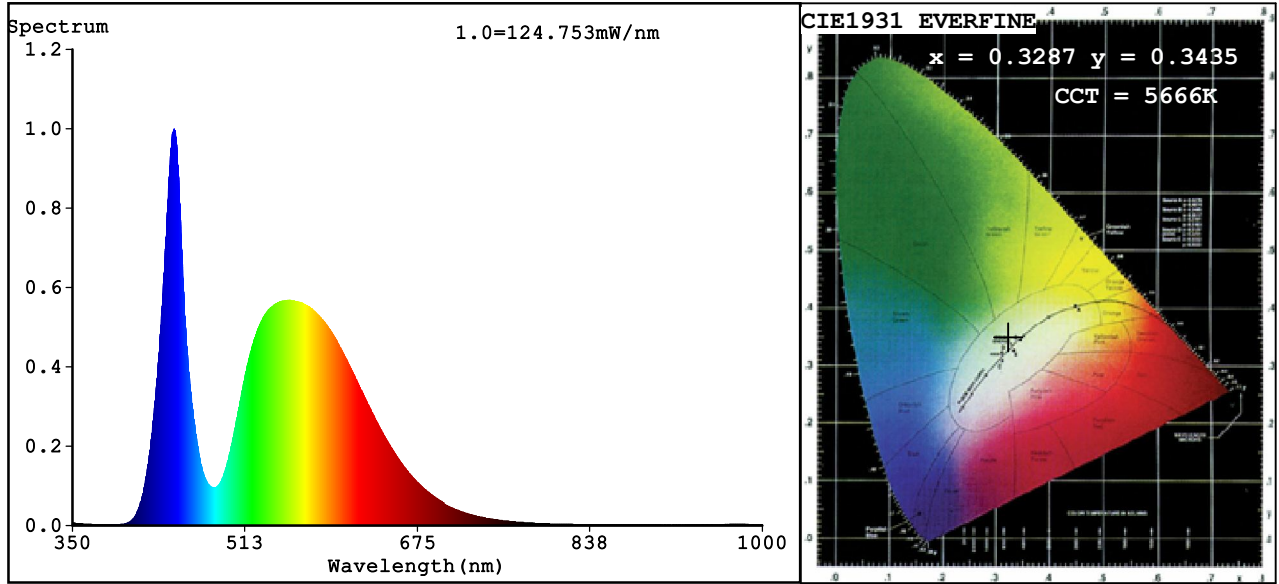
WHITE:ANSI_5700K

Status: Integral T = 8 ms Ip = 42781 (65%)

Model:HELIOS SMD/50W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98HELIOS50
 Date:2018-04-16 10:34
 Humidity:65.0%
 Remarks:017V060B_4394

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3287$ $y=0.3435$ $u'=0.2034$ $v'=0.4782$
 CCT=5666K(Duv=0.0030) Dominant WL:Ld =524.1nm Purity=2.1%
 Ratio:R=13.1% G=83.8% B=3.1%;;Peak WL:Lp=445.9nm FWHM=23.2nm
 Render Index:Ra=70.8
 R1 =70 R2 =74 R3 =76 R4 =73 R5 =71 R6 =65 R7 =79
 R8 =60 R9 =0 R10=37 R11=71 R12=43 R13=69 R14=86 R15=65

Photo Parameters:

Flux = 4227 lm Eff. : 89.68 lm/W Fe = 13.04 W

Electrical parameters:

V = 229.84 V I = 0.2113 A P = 47.14 W PF = 0.9707

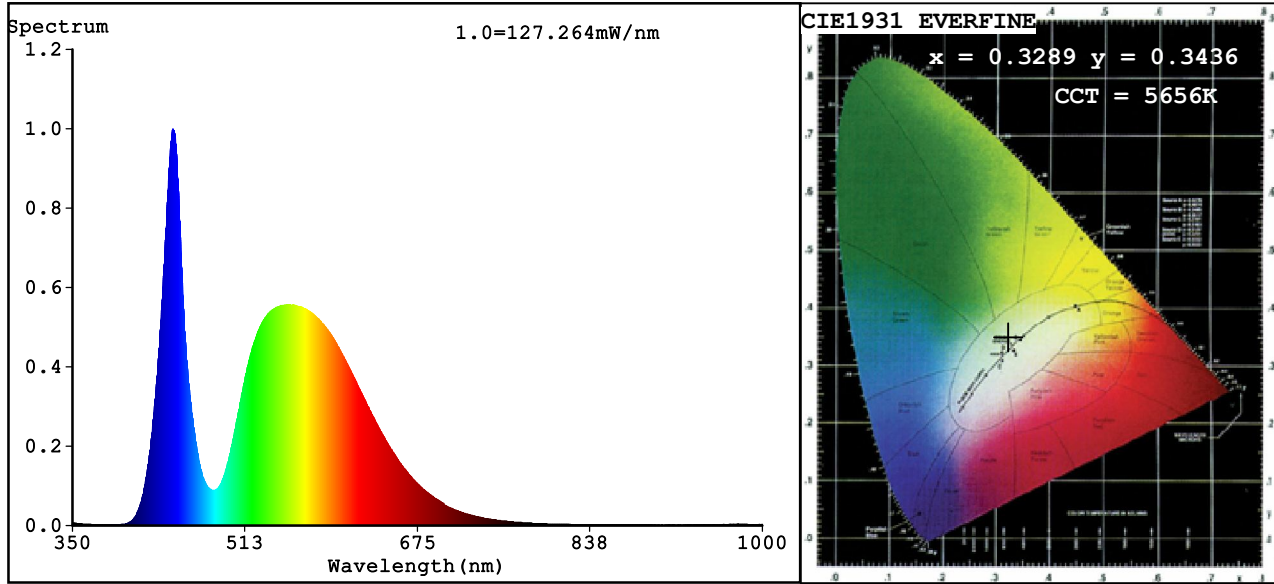
WHITE:ANSI_5700K

Status: Integral T = 8 ms Ip = 42823 (65%)

Model:HELIOS SMD/50W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98HELIOS50
 Date:2018-04-16 10:40
 Humidity:65.0%
 Remarks:017V060B_4394

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3289$ $y=0.3436$ $u'=0.2035$ $v'=0.4783$

CCT=5656K (Duv=0.0029) Dominant WL:Ld =526.2nm Purity=2.1%

Ratio:R=13.1% G=83.8% B=3.0%;; Peak WL:Lp=444.5nm FWHM=22.7nm

Render Index:Ra=70.5

R1 =69	R2 =73	R3 =75	R4 =73	R5 =71	R6 =65	R7 =78	
R8 =60	R9 =0	R10=36	R11=72	R12=43	R13=69	R14=86	R15=64

Photo Parameters:

Flux = 4235 lm Eff. : 88.72 lm/W Fe = 13.04 W

Electrical parameters:

V = 229.85 V I = 0.2139 A P = 47.73 W PF = 0.9707

WHITE:ANSI_5700K

Status: Integral T = 8 ms Ip = 43649 (67%)

Model:HELIOS SMD/50W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98HELIOS50
Date:2018-04-16 10:42
Humidity:65.0%
Remarks:017V060B_4394