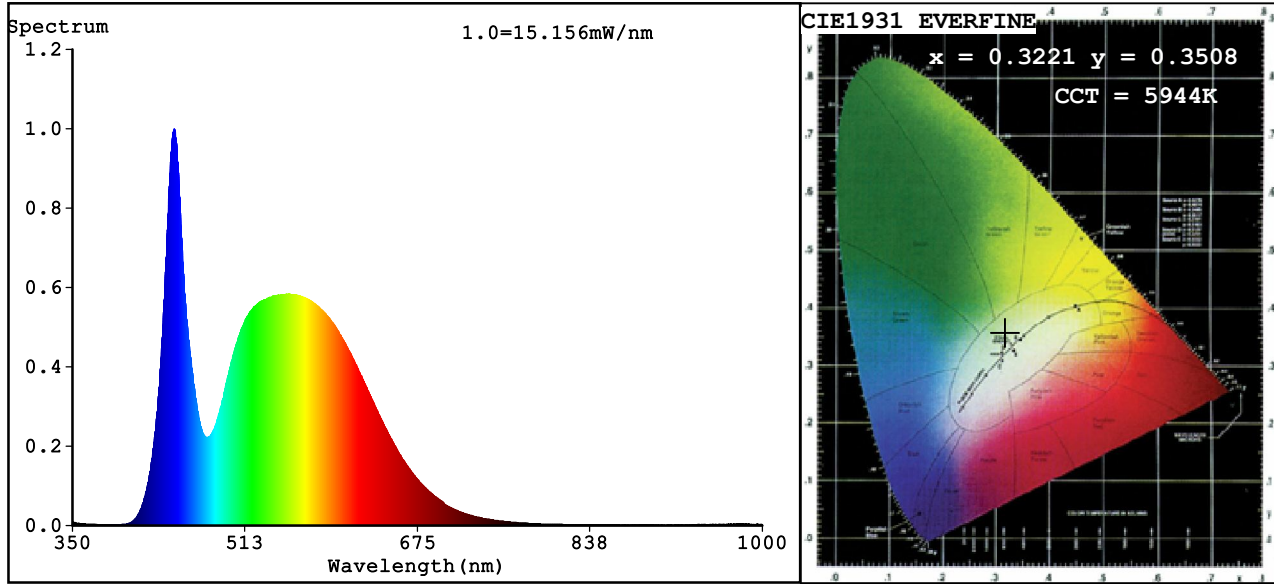


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3221$ $y=0.3508$ $u'=0.1962$ $v'=0.4809$

CCT=5944K (Duv=0.0096) Dominant WL:Ld =513.8nm Purity=3.7%

Ratio:R=13.0% G=82.3% B=4.6%;; Peak WL:Lp=445.9nm FWHM=23.1nm

Render Index:Ra=78.5

R1 =75 R2 =81 R3 =88 R4 =80 R5 =77 R6 =77 R7 =86

R8 =64 R9 =0 R10=58 R11=79 R12=60 R13=76 R14=94 R15=68

Photo Parameters:

Flux = 565.2 lm Eff. : 79.96 lm/W Fe = 1.763 W

Electrical parameters:

V = 229.90 V I = 0.05165 A P = 7.069 W PF = 0.5953

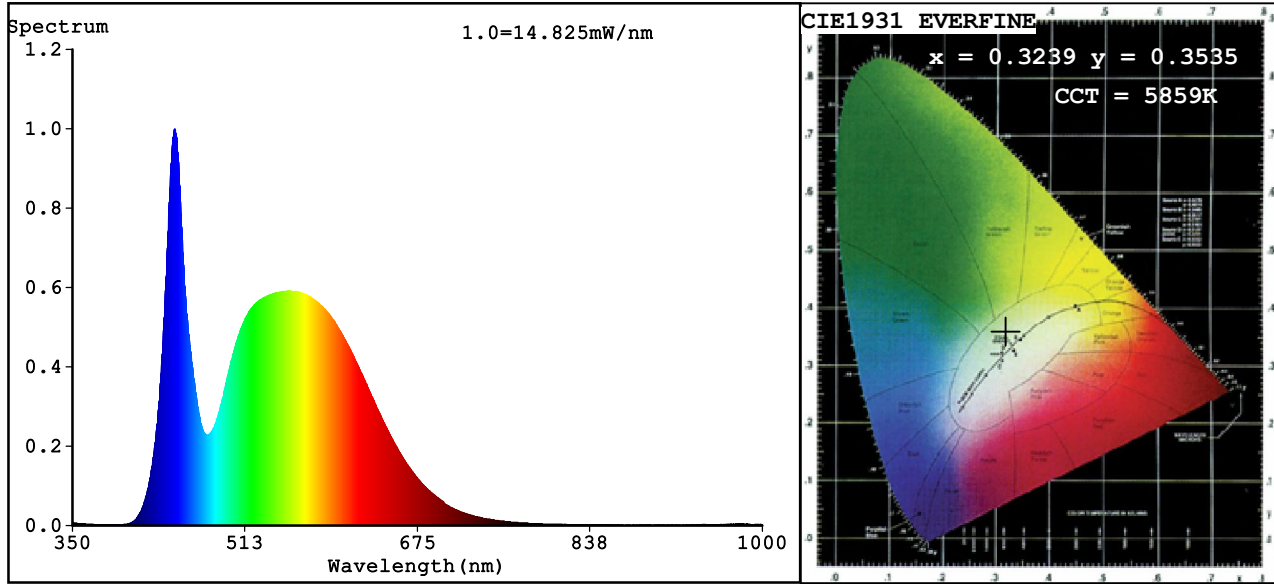
WHITE:OUT

Status: Integral T = 49 ms Ip = 40458 (62%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:09
Humidity:65.0%
Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3239$ $y=0.3535/u'=0.1965$ $v'=0.4825$
 CCT=5859K(Duv=0.0100) Dominant WL:Ld =523.3nm Purity=4.1%
 Ratio:R=13.1% G=82.3% B=4.6%;;Peak WL:Lp=446.2nm FWHM=22.9nm
 Render Index:Ra=78.6
 R1 =75 R2 =82 R3 =89 R4 =79 R5 =77 R6 =77 R7 =86
 R8 =64 R9 =0 R10=59 R11=79 R12=59 R13=76 R14=94 R15=68

Photo Parameters:

Flux = 560.4 lm Eff. : 78.85 lm/W Fe = 1.737 W

Electrical parameters:

V = 229.91 V I = 0.05205 A P = 7.107 W PF = 0.5939

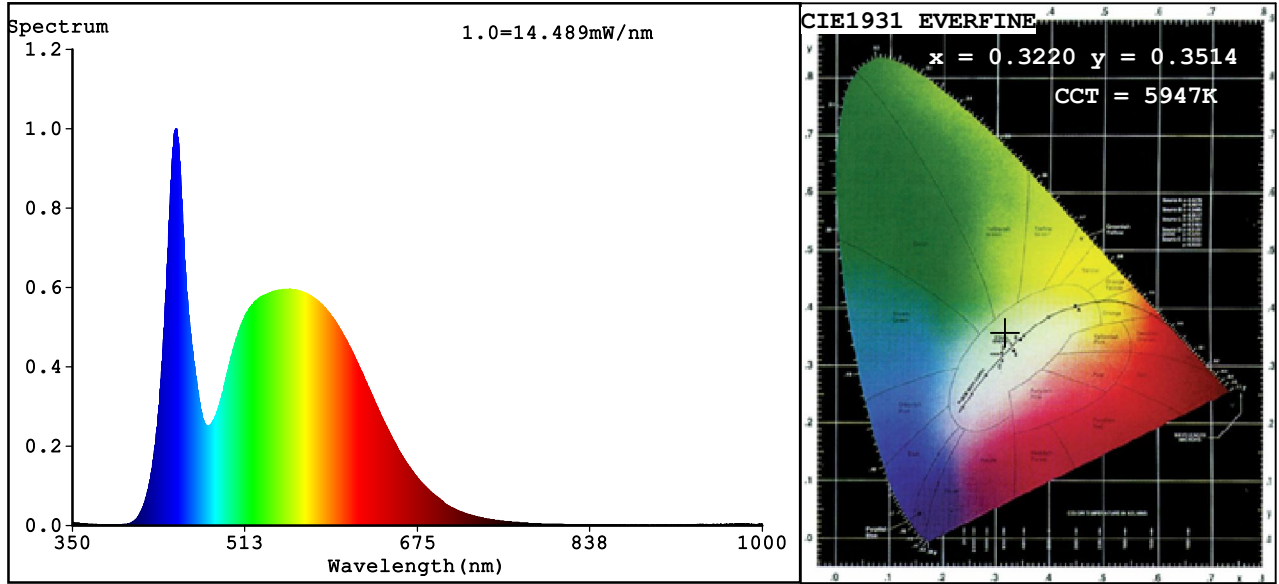
WHITE:OUT

Status: Integral T = 49 ms Ip = 39643 (60%)

Model:LEDSMD/6.5W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED796
 Date:2018-06-26 09:10
 Humidity:65.0%
 Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3220$ $y=0.3514$ / $u'=0.1960$ $v'=0.4811$
 CCT=5947K (Duv=0.0099) Dominant WL:Ld =514.4nm Purity=3.8%
 Ratio:R=13.1% G=82.1% B=4.8%; Peak WL:Lp=447.6nm FWHM=24.1nm
 Render Index:Ra=79.5
 R1 =76 R2 =83 R3 =90 R4 =80 R5 =78 R6 =79 R7 =87
 R8 =65 R9 =0 R10=61 R11=79 R12=59 R13=77 R14=94 R15=69

Photo Parameters:

Flux = 554.1 lm Eff. : 81.01 lm/W Fe = 1.728 W

Electrical parameters:

V = 229.91 V I = 0.05049 A P = 6.840 W PF = 0.5892

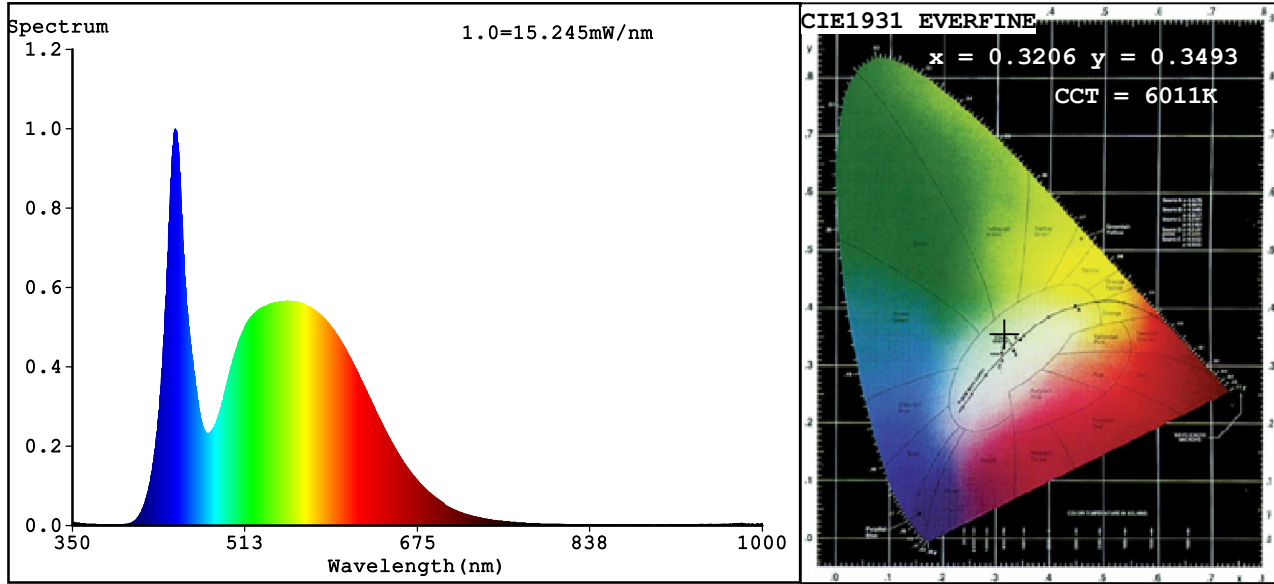
WHITE:OUT

Status: Integral T = 49 ms Ip = 39059 (60%)

Model:LEDSMD/6.5W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED796
 Date:2018-06-26 09:11
 Humidity:65.0%
 Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3206$ $y=0.3493$ $u'=0.1958$ $v'=0.4799$

CCT=6011K(Duv=0.0095) Dominant WL:Ld =509.3nm Purity=3.9%

Ratio:R=13.0% G=82.2% B=4.8%;;Peak WL:Lp=446.9nm FWHM=22.7nm

Render Index:Ra=79.2

R1 =75	R2 =82	R3 =89	R4 =80	R5 =78	R6 =78	R7 =86	
R8 =65	R9 =0	R10=60	R11=79	R12=59	R13=77	R14=94	R15=69

Photo Parameters:

Flux = 552.4 lm Eff. : 79.75 lm/W Fe = 1.726 W

Electrical parameters:

V = 229.92 V I = 0.05100 A P = 6.926 W PF = 0.5907

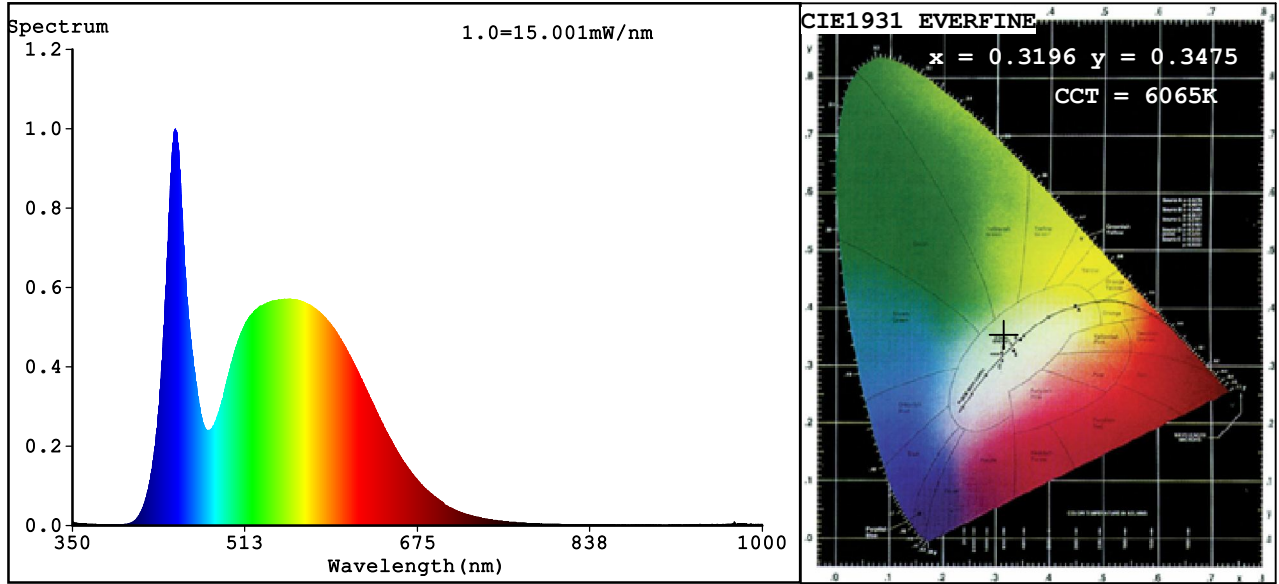
WHITE:OUT

Status: Integral T = 49 ms Ip = 40981 (63%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:12
Humidity:65.0%
Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3196$ $y=0.3475$ / $u'=0.1957$ $v'=0.4789$
 CCT=6065K (Duv=0.0091) Dominant WL:Ld =505.9nm Purity=4.2%
 Ratio:R=13.0% G=82.1% B=4.9%; Peak WL:Lp=446.9nm FWHM=23.8nm
 Render Index:Ra=79.5
 R1 =76 R2 =83 R3 =89 R4 =80 R5 =78 R6 =78 R7 =87
 R8 =65 R9 =0 R10=60 R11=79 R12=59 R13=77 R14=94 R15=69

Photo Parameters:

Flux = 548.9 lm Eff. : 78.67 lm/W Fe = 1.721 W

Electrical parameters:

V = 229.92 V I = 0.05152 A P = 6.977 W PF = 0.5890

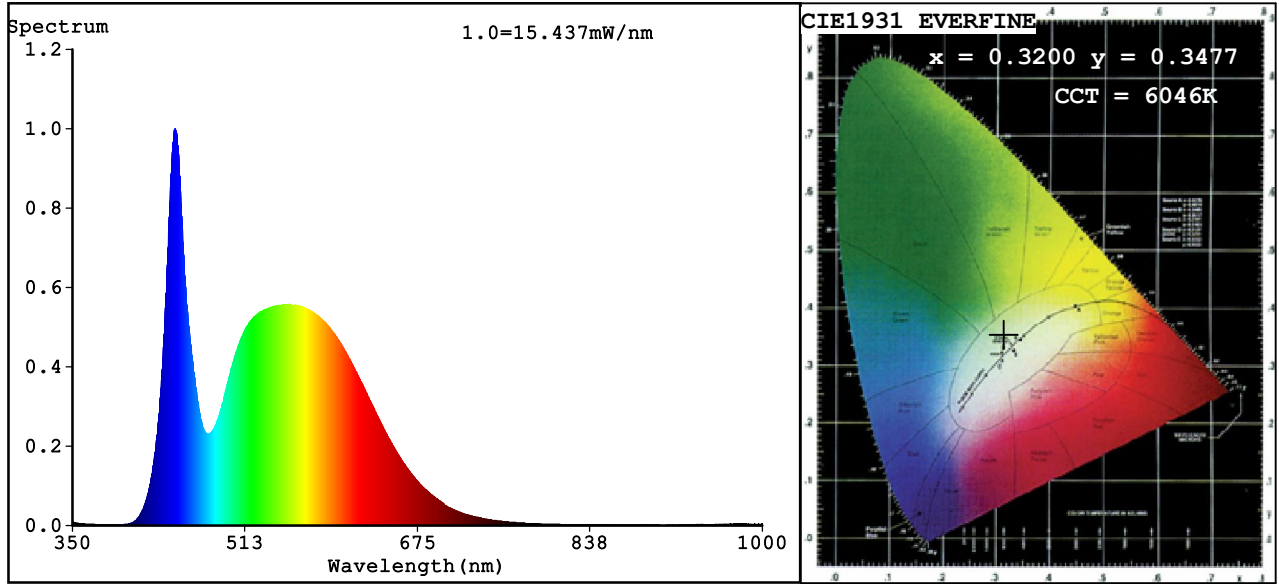
WHITE:OUT

Status: Integral T = 49 ms Ip = 40261 (61%)

Model:LEDSMD/6.5W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED796
 Date:2018-06-26 09:20
 Humidity:65.0%
 Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3200$ $y=0.3477$ $u'=0.1959$ $v'=0.4790$

CCT=6046K(Duv=0.0090) Dominant WL:Ld =506.5nm Purity=4.1%

Ratio:R=13.0% G=82.1% B=4.8%;;Peak WL:Lp=446.8nm FWHM=22.8nm

Render Index:Ra=79.4

R1 =76	R2 =82	R3 =89	R4 =80	R5 =78	R6 =78	R7 =86	
R8 =65	R9 =0	R10=60	R11=79	R12=59	R13=77	R14=94	R15=69

Photo Parameters:

Flux = 551.1 lm Eff. : 78.77 lm/W Fe = 1.727 W

Electrical parameters:

V = 229.89 V I = 0.05125 A P = 6.995 W PF = 0.5938

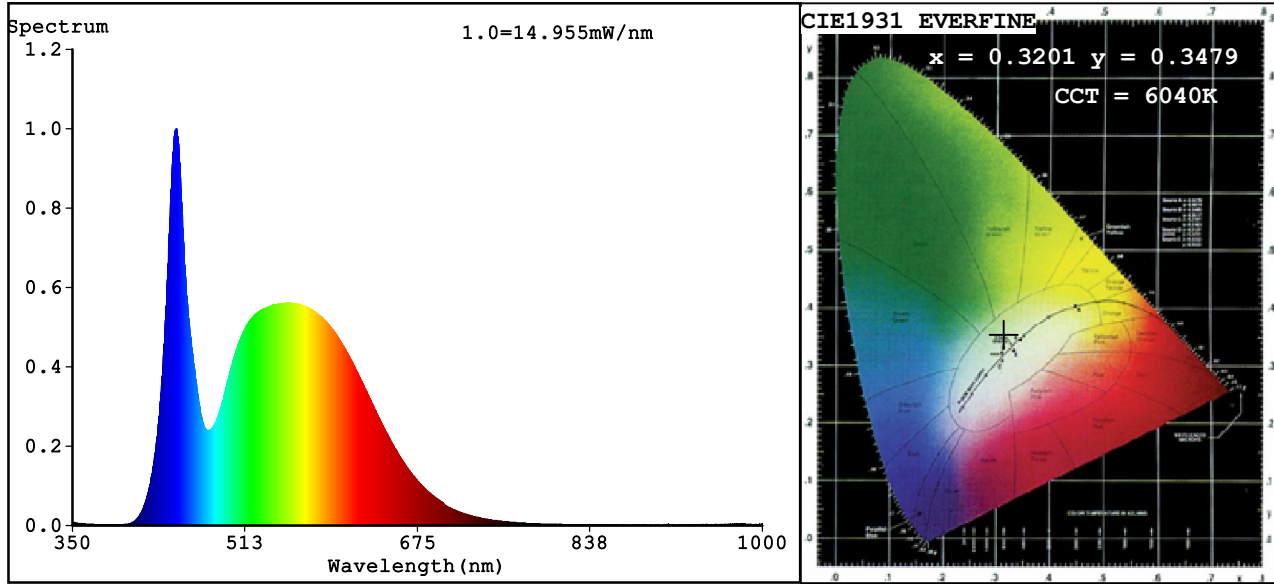
WHITE:OUT

Status: Integral T = 49 ms Ip = 41412 (63%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:27
Humidity:65.0%
Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3201$ $y=0.3479$ $u'=0.1959$ $v'=0.4792$

CCT=6040K(Duv=0.0091) Dominant WL:Ld =506.9nm Purity=4.0%

Ratio:R=13.1% G=82.0% B=4.9%;;Peak WL:Lp=447.9nm FWHM=23.0nm

Render Index:Ra=79.8

R1 =76	R2 =83	R3 =89	R4 =80	R5 =78	R6 =79	R7 =87		
R8 =66	R9 =0	R10=61	R11=79	R12=59	R13=77	R14=94	R15=70	

Photo Parameters:

Flux = 538.8 lm Eff. : 80.13 lm/W Fe = 1.689 W

Electrical parameters:

V = 229.93 V I = 0.04949 A P = 6.724 W PF = 0.5908

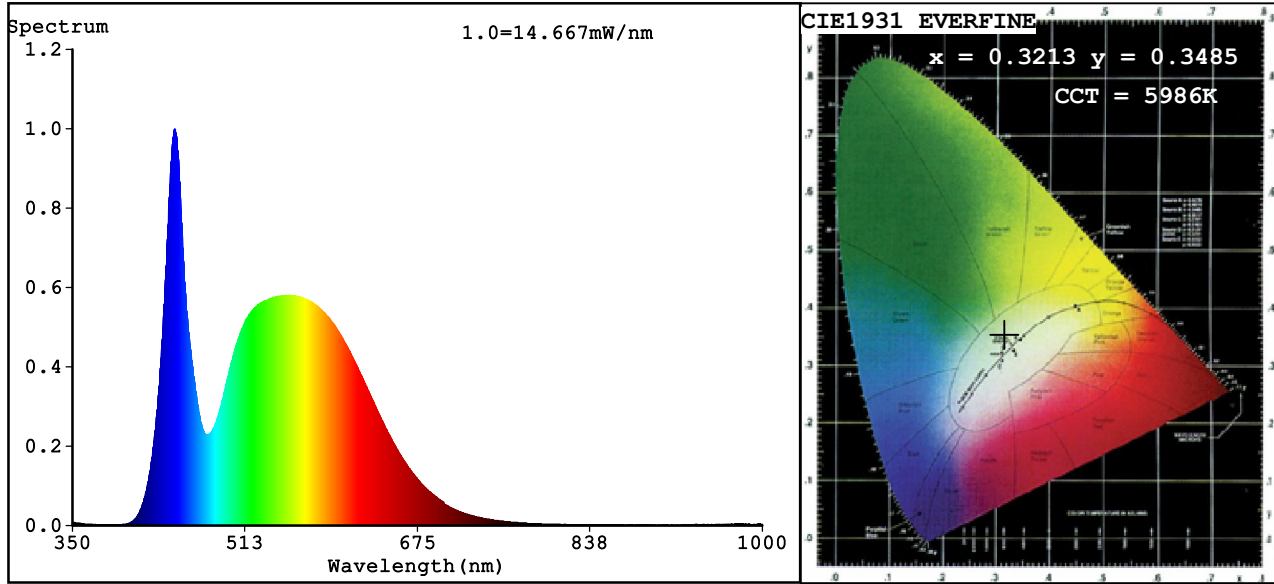
WHITE:OUT

Status: Integral T = 49 ms Ip = 40294 (61%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:29
Humidity:65.0%
Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3213$ $y=0.3485$ $u'=0.1965$ $v'=0.4796$

CCT=5986K(Duv=0.0088) Dominant WL:Ld =509.3nm Purity=3.8%

Ratio:R=13.1% G=82.2% B=4.7%;;Peak WL:Lp=446.2nm FWHM=23.8nm

Render Index:Ra=79.1

R1 =76	R2 =82	R3 =88	R4 =80	R5 =78	R6 =78	R7 =86	
R8 =65	R9 =0	R10=59	R11=80	R12=60	R13=77	R14=94	R15=69

Photo Parameters:

Flux = 545.4 lm Eff. : 78.88 lm/W Fe = 1.710 W

Electrical parameters:

V = 229.92 V I = 0.05098 A P = 6.915 W PF = 0.5899

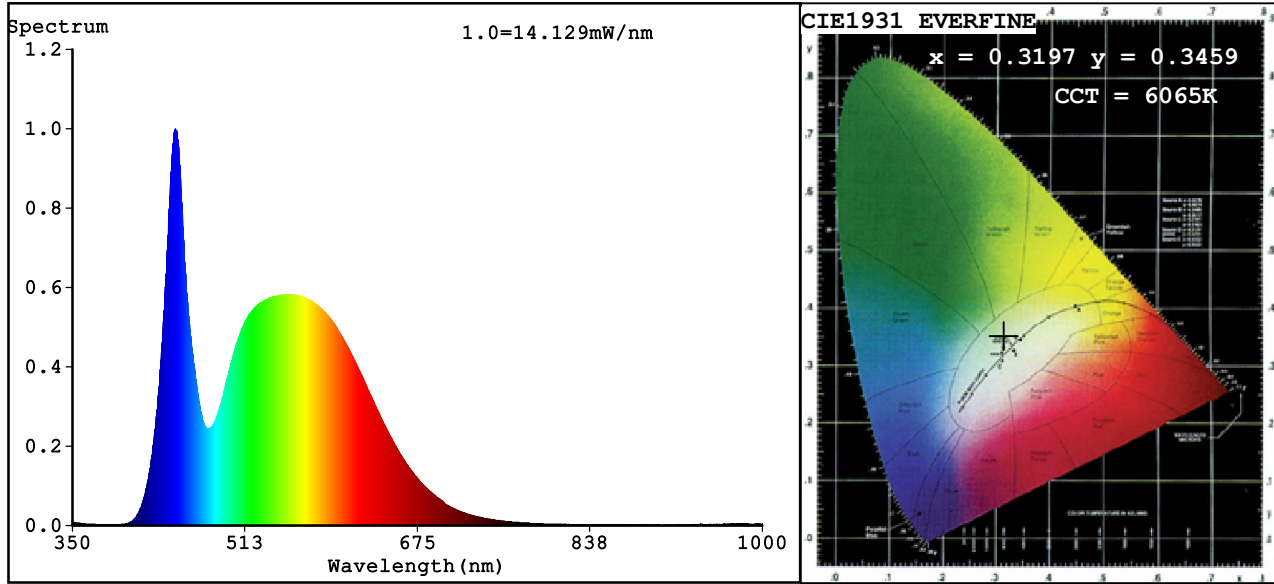
WHITE:OUT

Status: Integral T = 49 ms Ip = 39250 (60%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:30
Humidity:65.0%
Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3197$ $y=0.3459$ $u'=0.1964$ $v'=0.4781$
 CCT=6065K(Duv=0.0082) Dominant WL:Ld =504.2nm Purity=4.1%
 Ratio:R=13.1% G=82.1% B=4.8%;;Peak WL:Lp=446.9nm FWHM=24.9nm
 Render Index:Ra=79.6
 R1 =76 R2 =83 R3 =89 R4 =80 R5 =78 R6 =78 R7 =86
 R8 =66 R9 =0 R10=60 R11=80 R12=60 R13=77 R14=94 R15=70

Photo Parameters:

Flux = 527.6 lm Eff. : 77.27 lm/W Fe = 1.666 W

Electrical parameters:

V = 229.91 V I = 0.05055 A P = 6.828 W PF = 0.5875

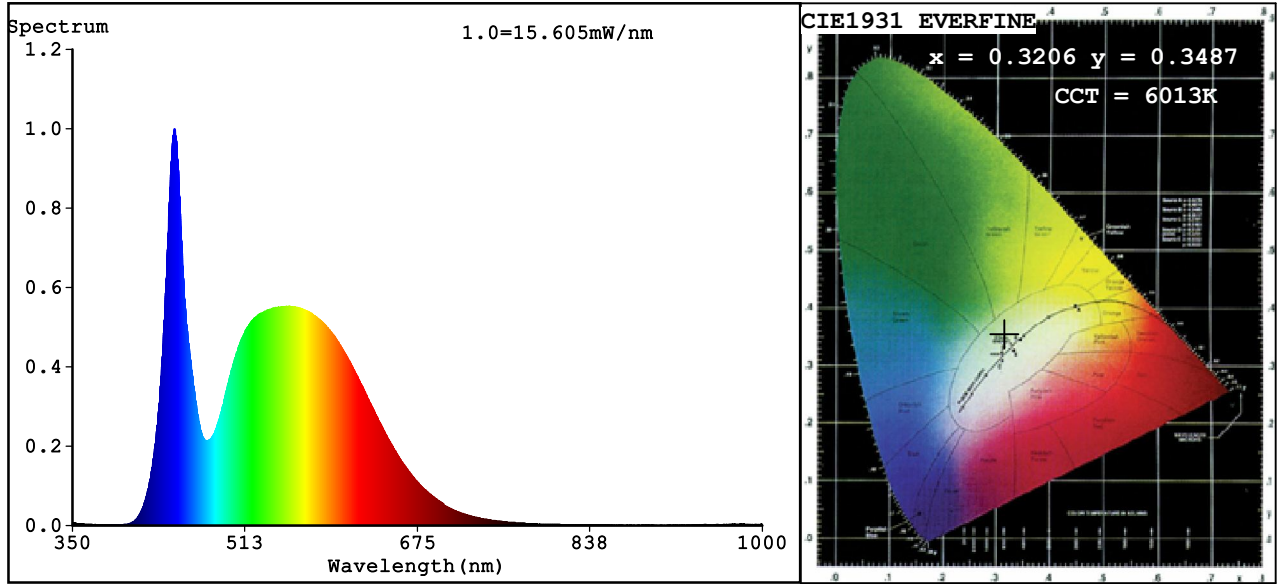
WHITE:ANSI_6500K

Status: Integral T = 49 ms Ip = 37960 (58%)

Model:LEDSMD/6.5W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED796
 Date:2018-06-26 09:31
 Humidity:65.0%
 Remarks:017V077B_4535

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3206$ $y=0.3487$ / $u'=0.1960$ $v'=0.4796$

CCT=6013K (Duv=0.0092) Dominant WL:Ld =508.5nm Purity=3.9%

Ratio:R=13.0% G=82.3% B=4.7%; Peak WL:Lp=446.2nm FWHM=21.8nm

Render Index:Ra=78.8

R1 =75	R2 =82	R3 =88	R4 =80	R5 =78	R6 =77	R7 =86	
R8 =65	R9 =0	R10=58	R11=79	R12=59	R13=76	R14=94	R15=69

Photo Parameters:

Flux = 551.3 lm Eff. : 80.20 lm/W Fe = 1.723 W

Electrical parameters:

V = 229.92 V I = 0.05079 A P = 6.874 W PF = 0.5886

WHITE:OUT

Status: Integral T = 49 ms Ip = 41698 (64%)

Model:LEDSMD/6.5W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED796
Date:2018-06-26 09:32
Humidity:65.0%
Remarks:017V077B_4535