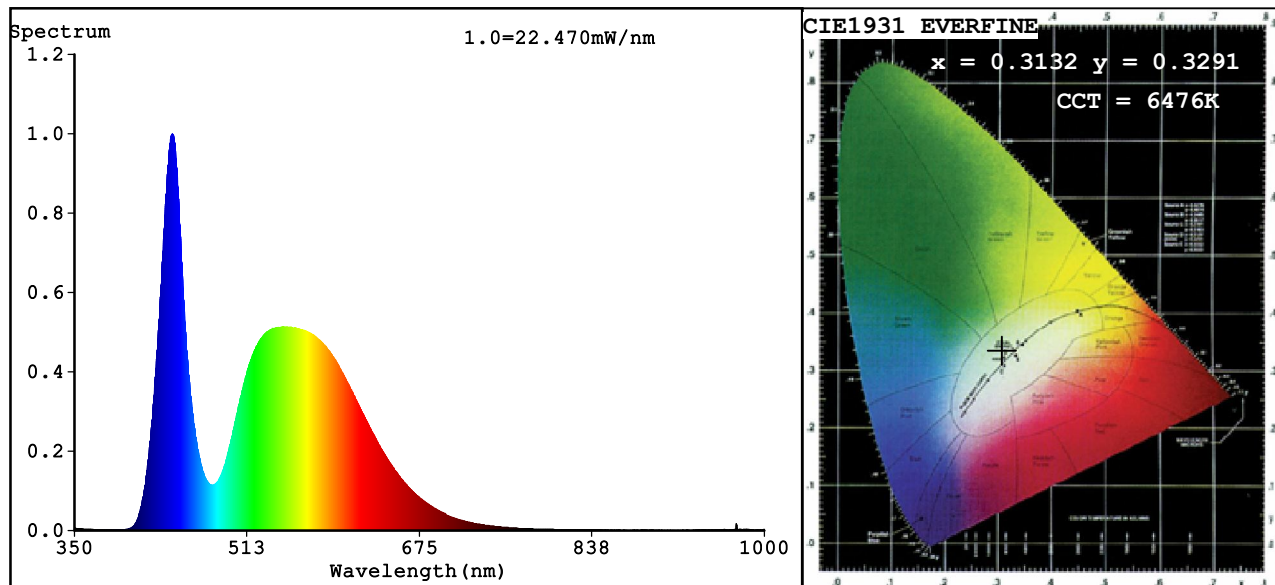


Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3132$ $y=0.3291$ / $u'=0.1982$ $v'=0.4685$

CCT=6476K(Duv=0.0030) Dominant WL:Ld =489.0nm Purity=7.1%

Ratio:R=12.3% G=84.0% B=3.7%;;Peak WL:Lp=442.4nm FWHM=25.7nm

Render Index:Ra=72.0

R1 =71 R2 =74 R3 =76 R4 =74 R5 =74 R6 =68 R7 =78

R8 =62 R9 =0 R10=38 R11=76 R12=51 R13=70 R14=86 R15=65

Photo Parameters:

Flux = 704.0 lm Eff. : 76.53 lm/W Fe = 2.244 W

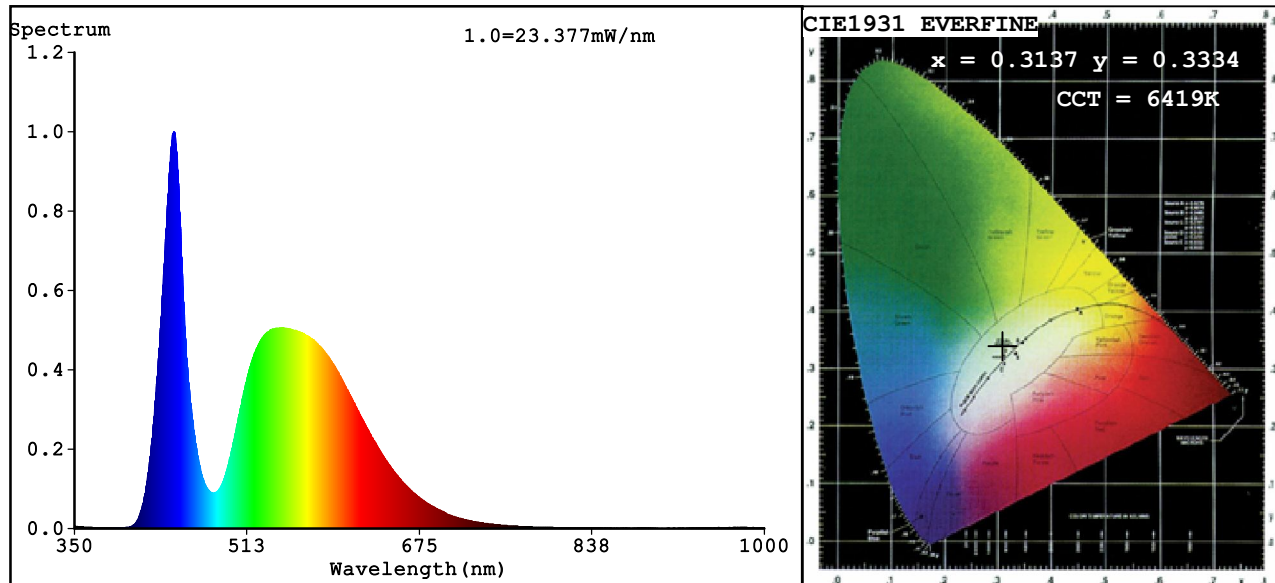
Electrical parameters:

V = 230.04 V I = 0.07453 A P = 9.199 W PF = 0.5365

WHITE:ANSI_6500K

Status: Integral T = 53 ms Ip = 50753 (77%)

Model:LED TUBE/9W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99XLED351
Date:2018-03-07 11:12
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3137$ $y=0.3334$ $u'=0.1969$ $v'=0.4708$

CCT=6419K(Duv=0.0049) Dominant WL:Ld =491.8nm Purity=6.6%

Ratio:R=11.9% G=84.7% B=3.4%;;Peak WL:Lp=443.8nm FWHM=23.4nm

Render Index:Ra=69.7

R1 =68 R2 =72 R3 =74 R4 =72 R5 =71 R6 =65 R7 =77

R8 =59 R9 =0 R10=33 R11=72 R12=45 R13=68 R14=85 R15=62

Photo Parameters:

Flux = 705.0 lm Eff. : 72.22 lm/W Fe = 2.203 W

Electrical parameters:

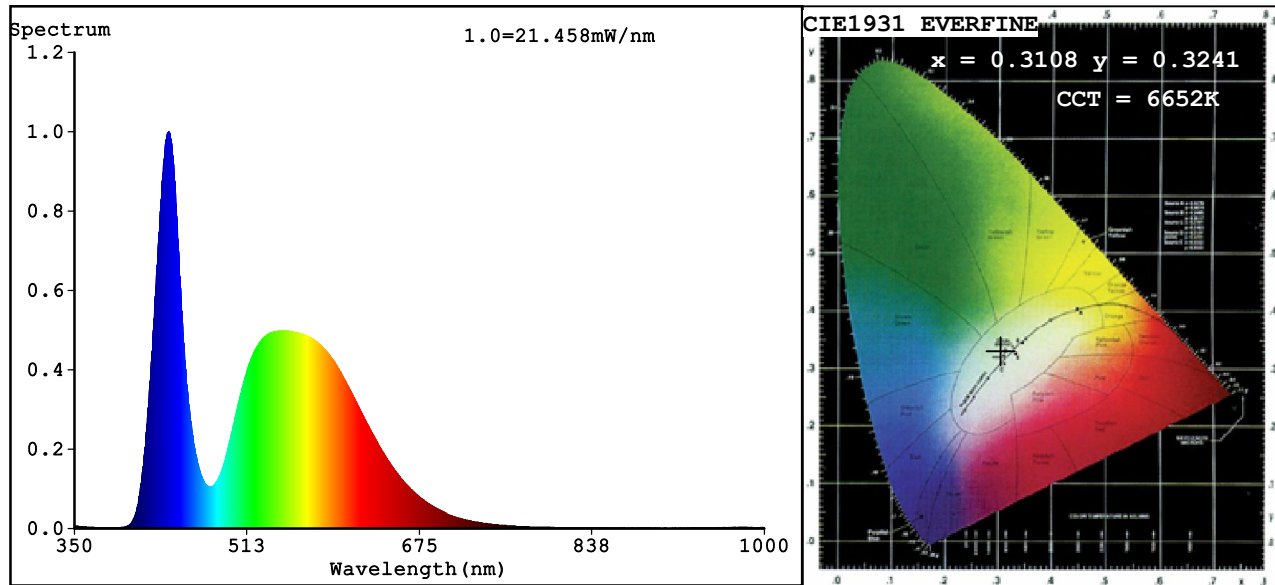
V = 229.95 V I = 0.07812 A P = 9.761 W PF = 0.5433

WHITE:ANSI_6500K

Status: Integral T = 42 ms Ip = 41897 (64%)

Model:LED TUBE/9W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99XLED351
Date:2018-03-07 11:27
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3108$ $y=0.3241$ $u'=0.1984$ $v'=0.4654$

CCT=6652K(Duv=0.0016) Dominant WL:Ld =486.3nm Purity=8.3%

Ratio:R=12.2% G=84.1% B=3.6%;;Peak WL:Lp=439.0nm FWHM=27.8nm

Render Index:Ra=71.3

R1 =72 R2 =73 R3 =73 R4 =73 R5 =74 R6 =67 R7 =75

R8 =62 R9 =0 R10=36 R11=77 R12=53 R13=70 R14=85 R15=65

Photo Parameters:

Flux = 653.7 lm Eff. : 69.03 lm/W Fe = 2.141 W

Electrical parameters:

V = 229.95 V I = 0.07630 A P = 9.470 W PF = 0.5397

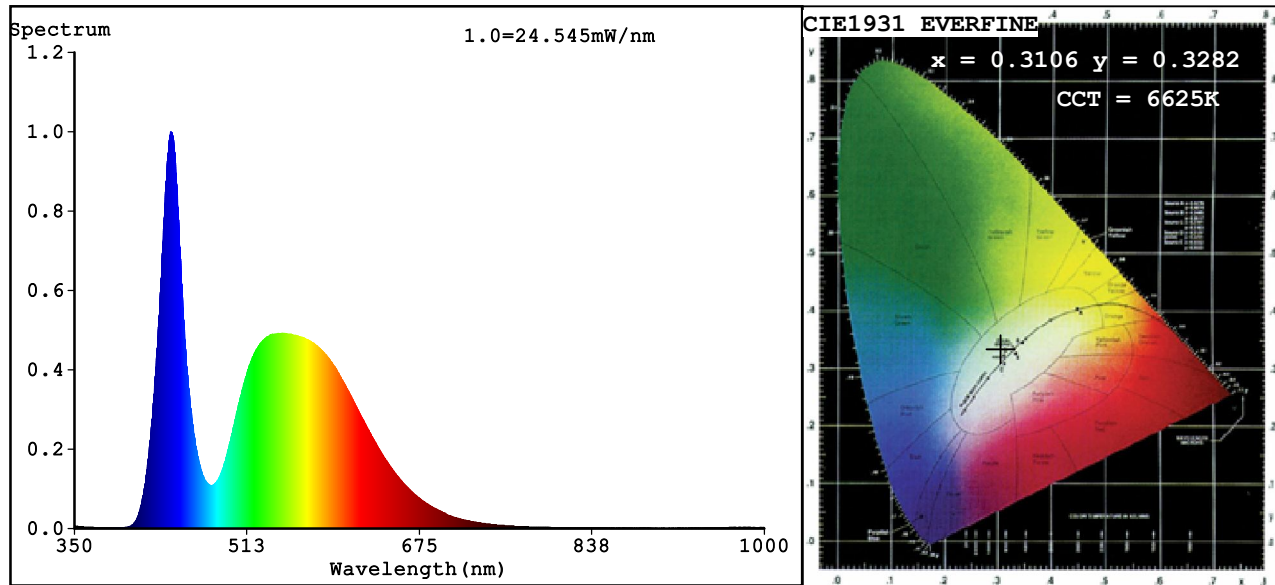
WHITE:ANSI_6500K

Status: Integral T = 42 ms Ip = 38177 (58%)

Model:LED TUBE/9W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED351
Date:2018-03-07 11:30
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3106$ $y=0.3282$ $u'=0.1967$ $v'=0.4676$

CCT=6625K(Duv=0.0038) Dominant WL:Ld =488.8nm Purity=8.0%

Ratio:R=12.0% G=84.3% B=3.7%;;Peak WL:Lp=441.1nm FWHM=24.5nm

Render Index:Ra=71.5

R1 =71 R2 =73 R3 =75 R4 =74 R5 =73 R6 =67 R7 =77

R8 =61 R9 =0 R10=37 R11=75 R12=51 R13=70 R14=86 R15=64

Photo Parameters:

Flux = 734.6 lm Eff. : 78.54 lm/W Fe = 2.346 W

Electrical parameters:

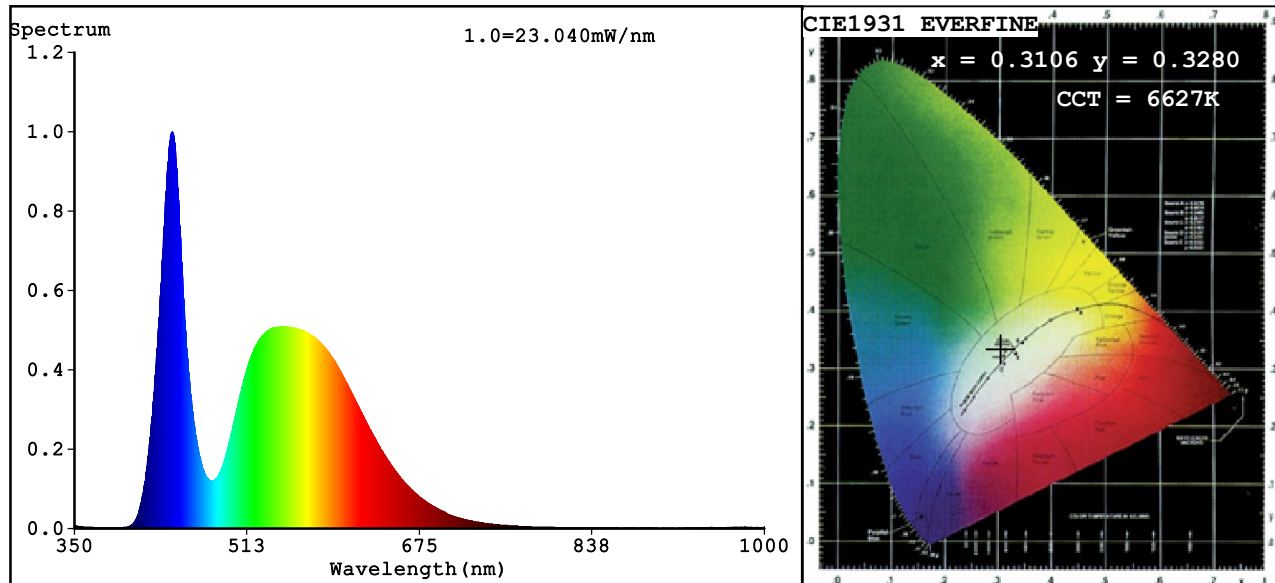
V = 229.97 V I = 0.07520 A P = 9.353 W PF = 0.5408

WHITE:ANSI_6500K

Status: Integral T = 42 ms Ip = 43928 (67%)

Model:LED TUBE/9W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED351
Date:2018-03-07 11:33
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3106$ $y=0.3280$ $u'=0.1967$ $v'=0.4675$

CCT=6627K(Duv=0.0038) Dominant WL:Ld =488.7nm Purity=8.1%

Ratio:R=12.0% G=84.1% B=3.8%;;Peak WL:Lp=442.4nm FWHM=25.6nm

Render Index:Ra=72.0

R1 =71 R2 =74 R3 =76 R4 =74 R5 =74 R6 =68 R7 =78

R8 =62 R9 =0 R10=38 R11=75 R12=52 R13=70 R14=87 R15=65

Photo Parameters:

Flux = 713.3 lm Eff. : 76.93 lm/W Fe = 2.282 W

Electrical parameters:

V = 229.97 V I = 0.07486 A P = 9.271 W PF = 0.5385

WHITE:ANSI_6500K

Status: Integral T = 42 ms Ip = 41247 (63%)

Model:LED TUBE/9W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99XLED351
Date:2018-03-07 11:34
Humidity:65.0%
Remarks:017A045B_4393