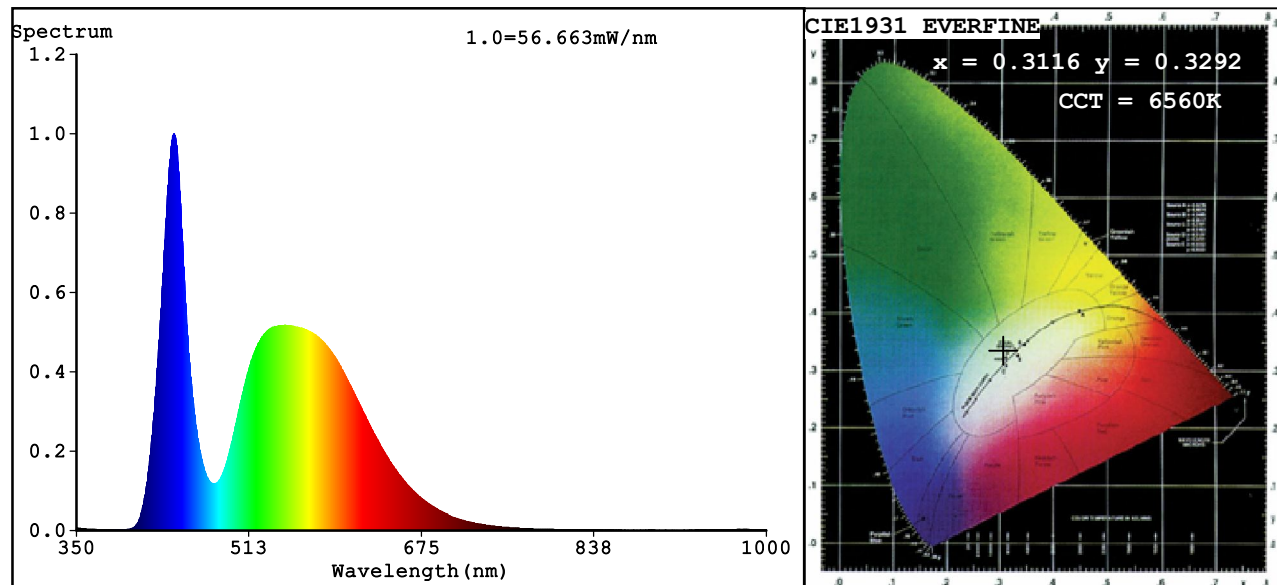


Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3116$ $y=0.3292$ / $u'=0.1970$ $v'=0.4683$

CCT=6560K(Duv=0.0038) Dominant WL:Ld =489.2nm Purity=7.6%

Ratio:R=12.1% G=84.2% B=3.7%;;Peak WL:Lp=442.1nm FWHM=26.1nm

Render Index:Ra=71.7

R1 =71 R2 =73 R3 =76 R4 =74 R5 =73 R6 =67 R7 =78

R8 =61 R9 =0 R10=38 R11=75 R12=51 R13=70 R14=86 R15=64

Photo Parameters:

Flux = 1784 lm Eff. : 74.00 lm/W Fe = 5.689 W

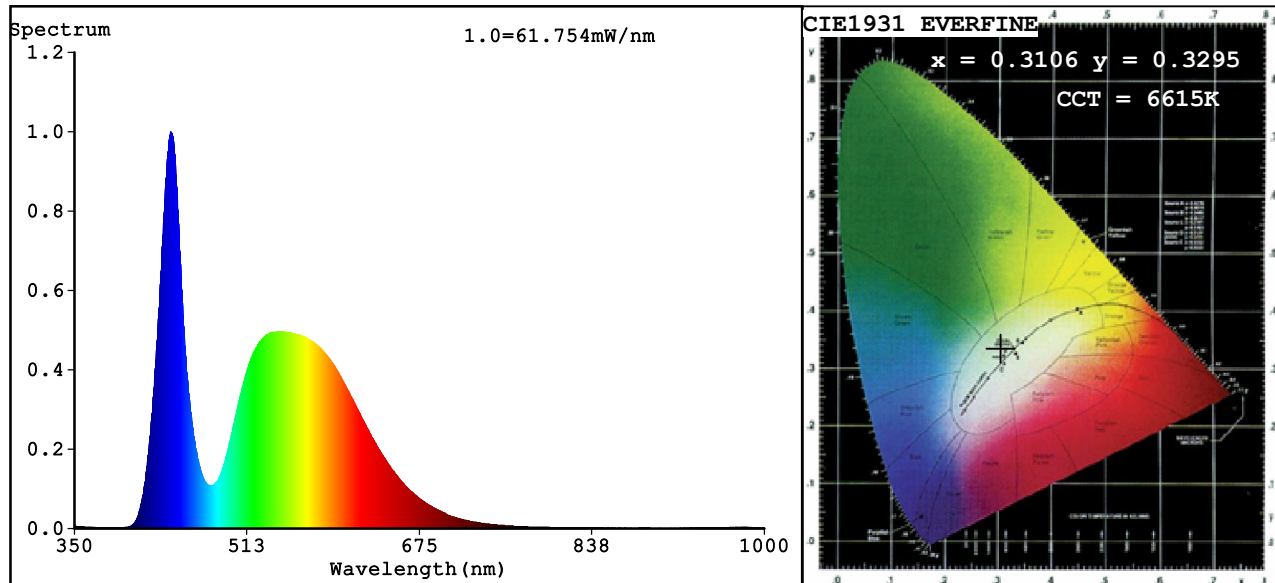
Electrical parameters:

V = 229.85 V I = 0.1836 A P = 24.11 W PF = 0.5712

WHITE:ANSI_6500K

Status: Integral T = 14 ms Ip = 33828 (52%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99XLED447
Date:2018-03-06 16:28
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3106$ $y=0.3295$ $u'=0.1962$ $v'=0.4683$

CCT=6615K(Duv=0.0045) Dominant WL:Ld =489.5nm Purity=8.0%

Ratio:R=11.9% G=84.4% B=3.7%;;Peak WL:Lp=440.4nm FWHM=24.6nm

Render Index:Ra=71.1

R1 =70 R2 =73 R3 =75 R4 =73 R5 =73 R6 =67 R7 =77

R8 =61 R9 =0 R10=37 R11=75 R12=51 R13=69 R14=86 R15=63

Photo Parameters:

Flux = 1860 lm Eff. : 76.41 lm/W Fe = 5.923 W

Electrical parameters:

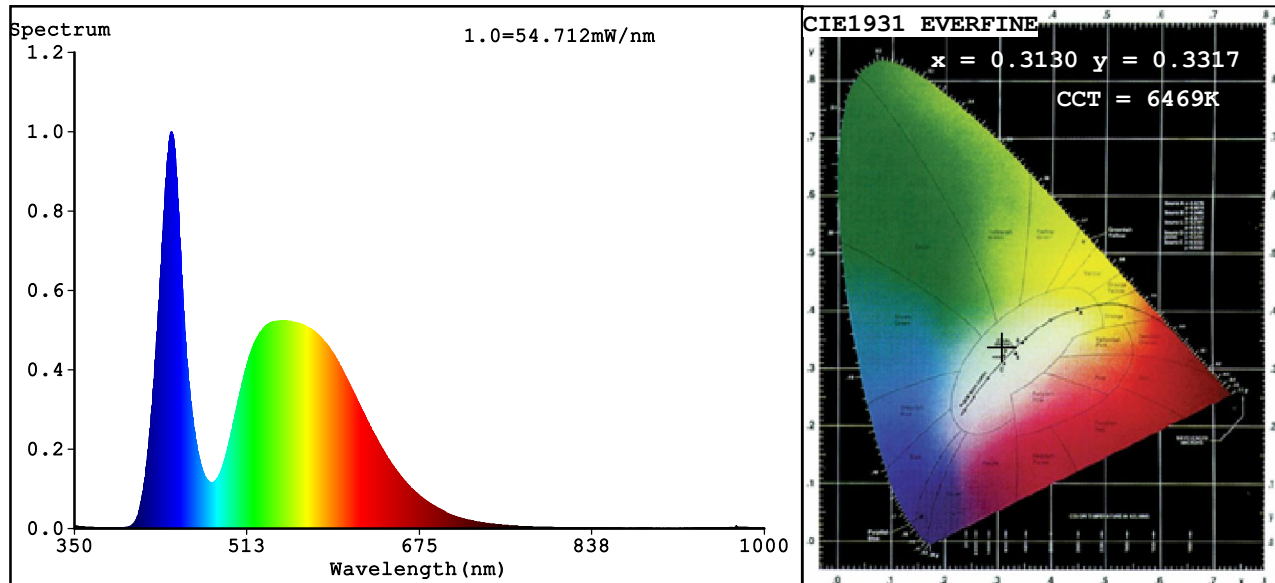
V = 229.92 V I = 0.1853 A P = 24.34 W PF = 0.5714

WHITE:ANSI_6500K

Status: Integral T = 14 ms Ip = 36781 (56%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED447
Date:2018-03-06 16:33
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3130$ $y=0.3317$ $u'=0.1970$ $v'=0.4698$

CCT=6469K(Duv=0.0044) Dominant WL:Ld =490.7nm Purity=7.0%

Ratio:R=12.1% G=84.3% B=3.7%;;Peak WL:Lp=441.1nm FWHM=26.0nm

Render Index:Ra=71.3

R1 =70 R2 =73 R3 =76 R4 =73 R5 =73 R6 =67 R7 =77

R8 =61 R9 =0 R10=37 R11=75 R12=51 R13=69 R14=86 R15=64

Photo Parameters:

Flux = 1743 lm Eff. : 72.46 lm/W Fe = 5.538 W

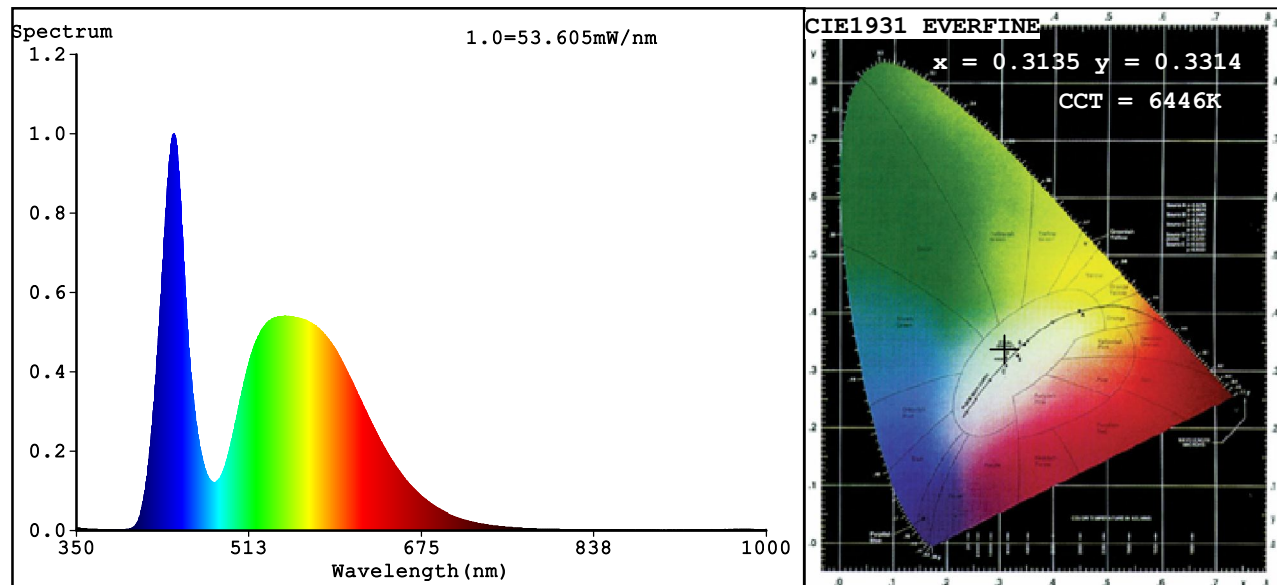
Electrical parameters:

V = 229.84 V I = 0.1840 A P = 24.06 W PF = 0.5690

WHITE:ANSI_6500K

Status: Integral T = 14 ms Ip = 32643 (50%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99XLED447
Date:2018-03-06 16:36
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3135$ $y=0.3314$ $u'=0.1975$ $v'=0.4697$

CCT=6446K(Duv=0.0040) Dominant WL:Ld =490.5nm Purity=6.8%

Ratio:R=12.2% G=84.2% B=3.7%;;Peak WL:Lp=441.8nm FWHM=27.2nm

Render Index:Ra=71.6

R1 =71 R2 =73 R3 =76 R4 =74 R5 =73 R6 =67 R7 =78

R8 =61 R9 =0 R10=38 R11=75 R12=51 R13=70 R14=86 R15=64

Photo Parameters:

Flux = 1763 lm Eff. : 71.84 lm/W Fe = 5.612 W

Electrical parameters:

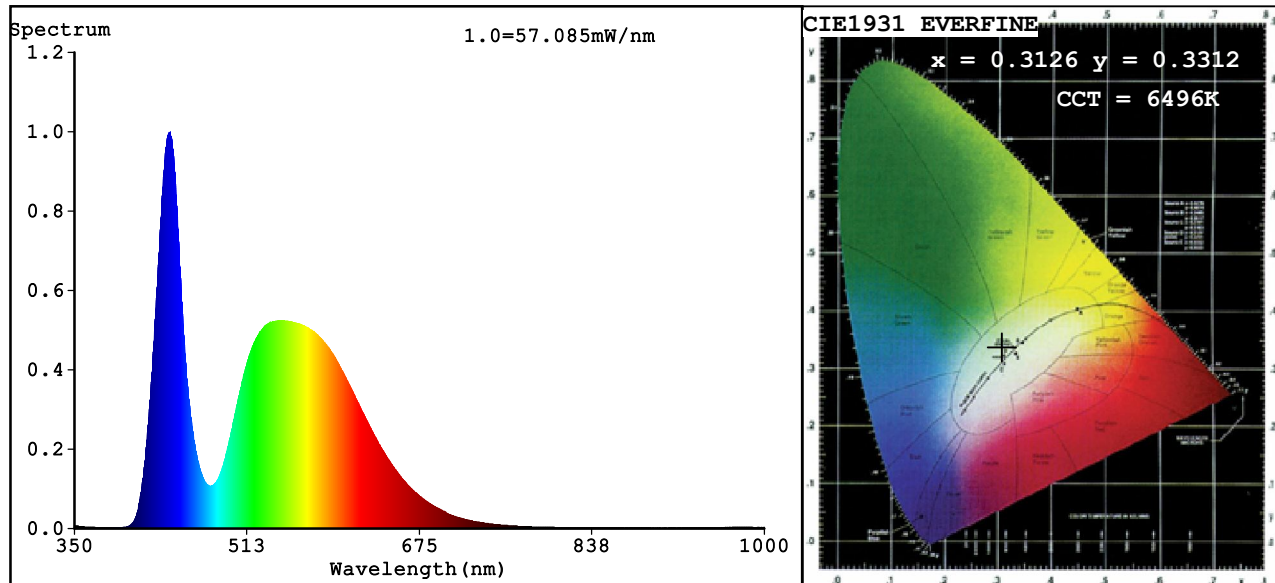
V = 229.85 V I = 0.1873 A P = 24.54 W PF = 0.5701

WHITE:ANSI_6500K

Status: Integral T = 22 ms Ip = 50272 (77%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED447
Date:2018-03-06 16:38
Humidity:65.0%
Remarks:017A045B_4393

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3126$ $y=0.3312$ $u'=0.1969$ $v'=0.4694$

CCT=6496K(Duv=0.0044) Dominant WL:Ld =490.4nm Purity=7.2%

Ratio:R=12.0% G=84.5% B=3.5%;;Peak WL:Lp=440.4nm FWHM=27.1nm

Render Index:Ra=70.5

R1 =70 R2 =72 R3 =75 R4 =72 R5 =73 R6 =66 R7 =76

R8 =60 R9 =0 R10=35 R11=75 R12=51 R13=68 R14=86 R15=63

Photo Parameters:

Flux = 1812 lm Eff. : 74.68 lm/W Fe = 5.804 W

Electrical parameters:

V = 229.85 V I = 0.1842 A P = 24.27 W PF = 0.5733

WHITE:ANSI_6500K

Status: Integral T = 22 ms Ip = 53224 (81%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED447
Date:2018-03-06 16:42
Humidity:65.0%
Remarks:017A045B_4393