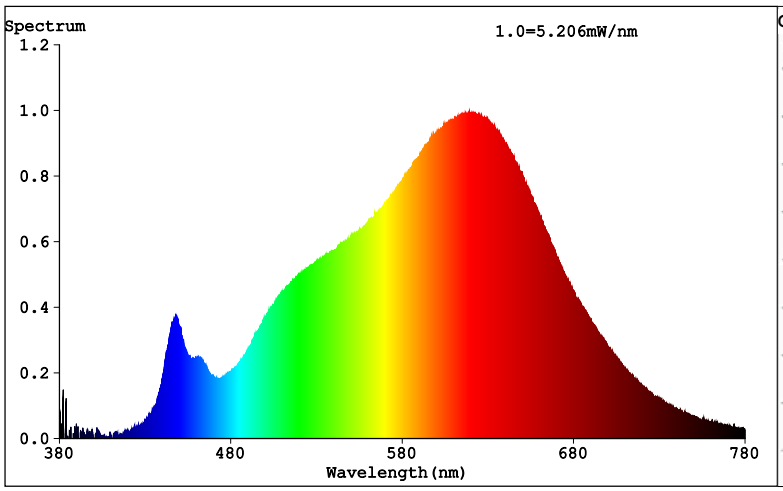
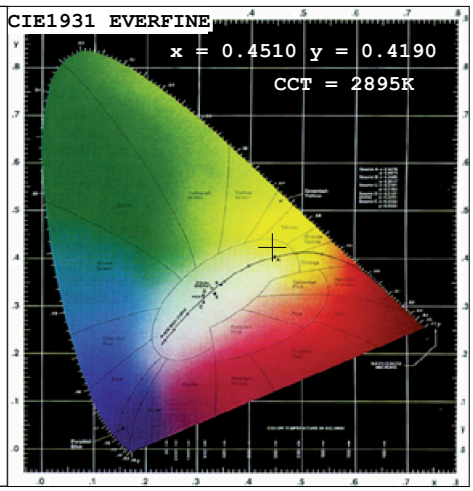
# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.4510 y=0.4190/u'=0.2531 v'=0.5292

CCT=2895K(Duv=0.0040) Dominant WL:Ld =582.0nm Purity=61.2%

Ratio:R=24.5% G=72.9% B=2.5% Peak WL:Lp=619.2nm FWHM=155.0nm

Render Index:Ra=91.5 TM30:Rf=91 Rg=96

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =91 | R2 =94 | R3 =98 | R4 =93 | R5 =91 | R6 =95 | R7 =92 | |
| R8 =78 | R9 =49 | R10=87 | R11=94 | R12=81 | R13=92 | R14=98 | R15=85 |

## Photo Parameters:

Flux = 254.5 lm Eff. : 80.29 lm/W Fe = 847.3 mW

## Electrical parameters:

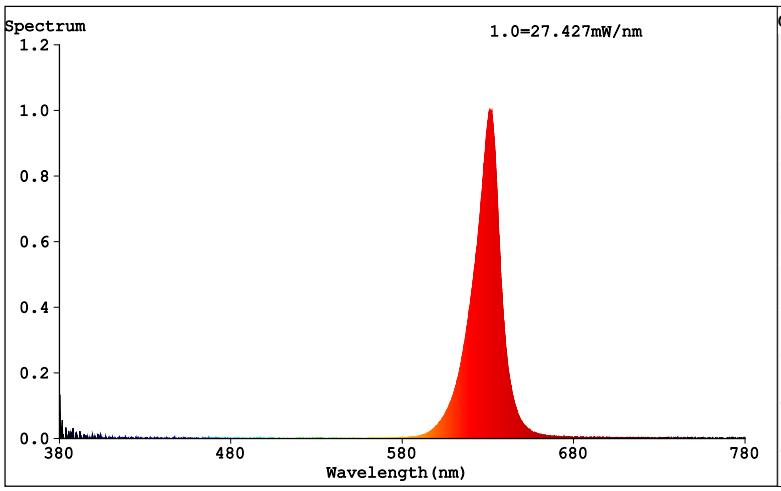
V = 23.997 V I = 0.1321 A P = 3.170 W PF = 1.000

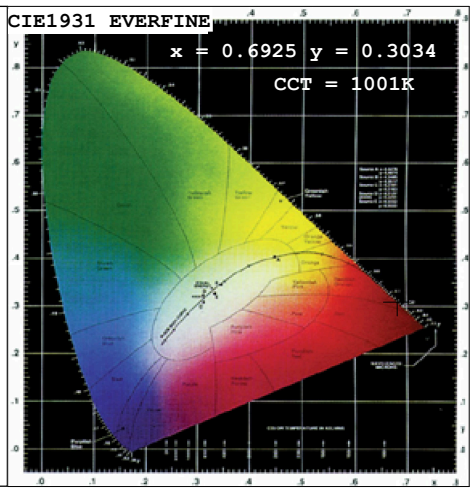
LEVEL:OUT WHITE:ANSI_3000K

*Status: Integral T = 1537 ms Ip = 51561 (79%)*

| | |
|---|---|
| Model: RGBCCT 24V-COB840 | Number:WW |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.6925 y=0.3034/u'=0.5270 v'=0.5196

CCT=1001K(Duv=-0.0795) Dominant WL:Ld =622.8nm Purity=98.8%

Ratio:R=96.8% G=3.2% B=0.1% Peak WL:Lp=631.6nm FWHM=15.8nm

Render Index:Ra=14.6 TM30:Rf=4 Rg=-1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =8 | R2 =80 | R3 =29 | R4 =-26 | R5 =3 | R6 =92 | R7 =3 | |
| R8 =-73 | R9 =-227 | R10=75 | R11=-11 | R12=77 | R13=32 | R14=59 | R15=-35 |

## Photo Parameters:

Flux = 107.9 lm Eff. : 27.86 lm/W Fe = 544.9 mW

## Electrical parameters:

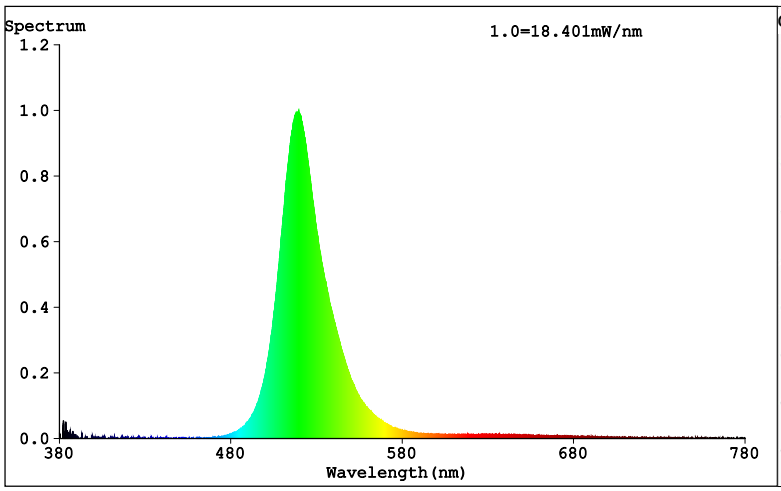
V = 23.997 V I = 0.1614 A P = 3.873 W PF = 1.000

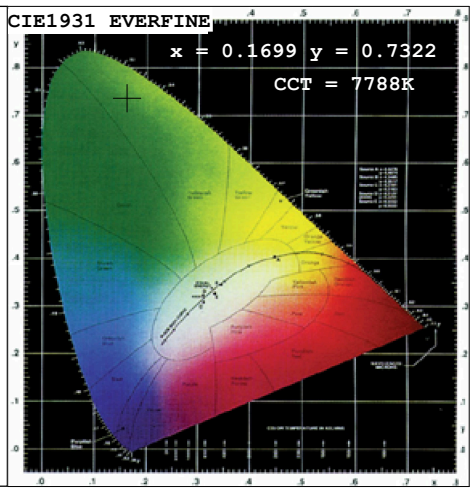
LEVEL:OUT WHITE:OUT

*Status: Integral T = 331 ms Ip = 54516 (83%)*

| | |
|---|---|
| Model:RGBCCT 24V-COB840 | Number:R |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.1699 y=0.7322/u'=0.0594 v'=0.5757

CCT=7788K(Duv=0.1583) Dominant WL:Ld =527.6nm Purity=82.6%

Ratio:R=0.9% G=97.7% B=1.4% Peak WL:Lp=519.6nm FWHM=27.1nm

Render Index:Ra=-25.7 TM30:Rf=1 Rg=9

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =-30 | R2 =-12 | R3 =-32 | R4 =-63 | R5 =-6 | R6 =-20 | R7 =-12 | |
| R8 =-30 | R9 =-322 | R10=-116 | R11=-94 | R12=-41 | R13=-38 | R14=34 | R15=-28 |

## Photo Parameters:

Flux = 299.8 lm Eff. : 108.55 lm/W Fe = 627.5 mW

## Electrical parameters:

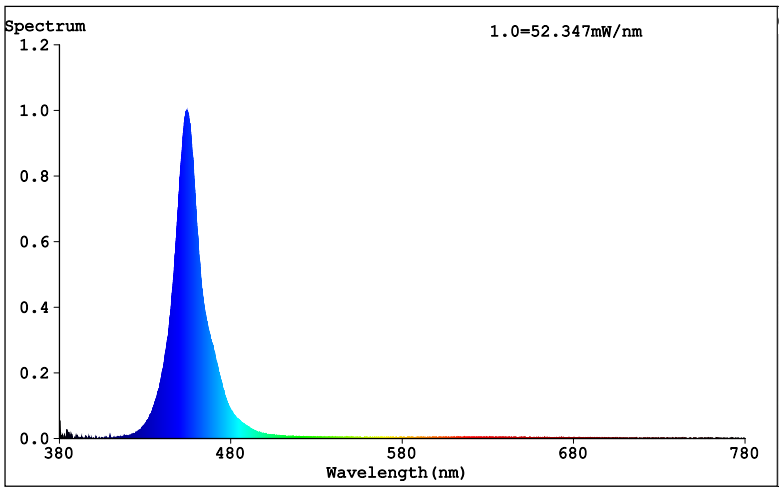
V = 23.997 V I = 0.1151 A P = 2.762 W PF = 1.000

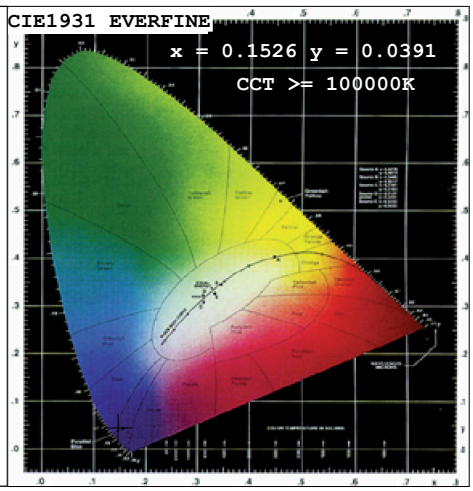
LEVEL:OUT WHITE:OUT

*Status: Integral T = 527 ms Ip = 51425 (78%)*

| | |
|---|---|
| Model: RGBCCT 24V-COB840 | Number:G |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.1526 y=0.0391/u'=0.1928 v'=0.1113

CCT=100000K(Duv=-0.1921) Dominant WL:Ld =458.9nm Purity=96.3%

Ratio:R=4.1% G=21.2% B=74.8% Peak WL:Lp=454.4nm FWHM=15.7nm

Render Index:Ra=-42.6 TM30:Rf=-1 Rg=-1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =36 | R2 =-36 | R3 =-164 | R4 =-89 | R5 =41 | R6 =-35 | R7 =-57 | |
| R8 =-36 | R9 =-110 | R10=-237 | R11=-108 | R12=-88 | R13=11 | R14=-36 | R15=40 |

## Photo Parameters:

Flux = 57.86 lm Eff. : 18.60 lm/W Fe = 1.145 W

## Electrical parameters:

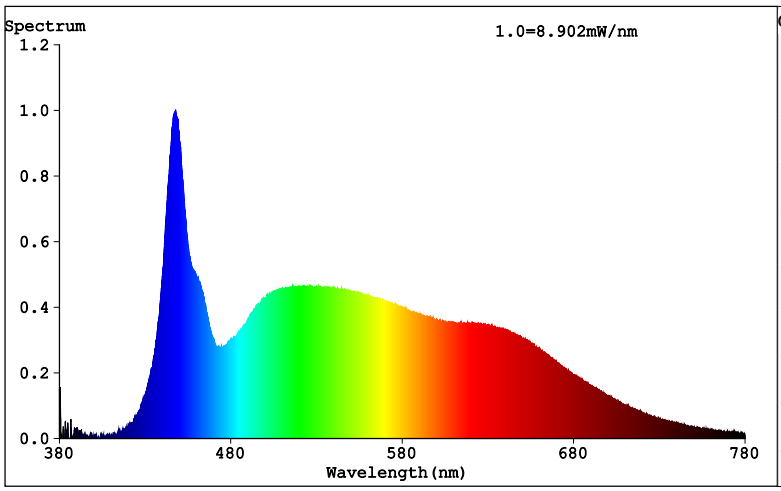
V = 23.997 V I = 0.1296 A P = 3.110 W PF = 1.000

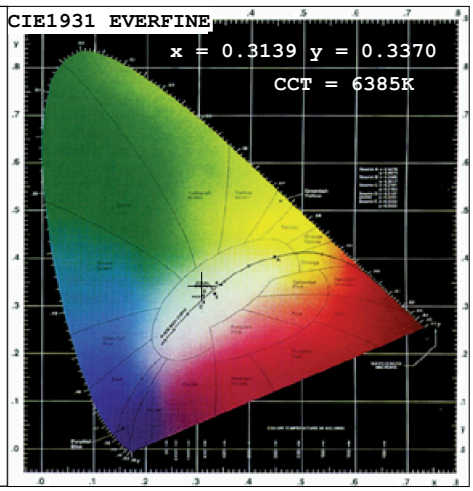
LEVEL:OUT WHITE:OUT

*Status: Integral T = 316 ms Ip = 49000 (75%)*

| | |
|---|---|
| Model:RGBCCT 24V-COB840 | Number:B |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.3139 y=0.3370/u'=0.1957 v'=0.4727

CCT=6385K(Duv=0.0066) Dominant WL:Ld =494.1nm Purity=6.3%

Ratio:R=14.6% G=79.1% B=6.3% Peak WL:Lp=447.8nm FWHM=19.7nm

Render Index:Ra=92.8 TM30:Rf=92 Rg=99

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =92 | R2 =93 | R3 =94 | R4 =93 | R5 =92 | R6 =90 | R7 =96 | |
| R8 =91 | R9 =72 | R10=85 | R11=93 | R12=73 | R13=92 | R14=97 | R15=91 |

## Photo Parameters:

Flux = 268.2 lm Eff. : 83.73 lm/W Fe = 963.9 mW

## Electrical parameters:

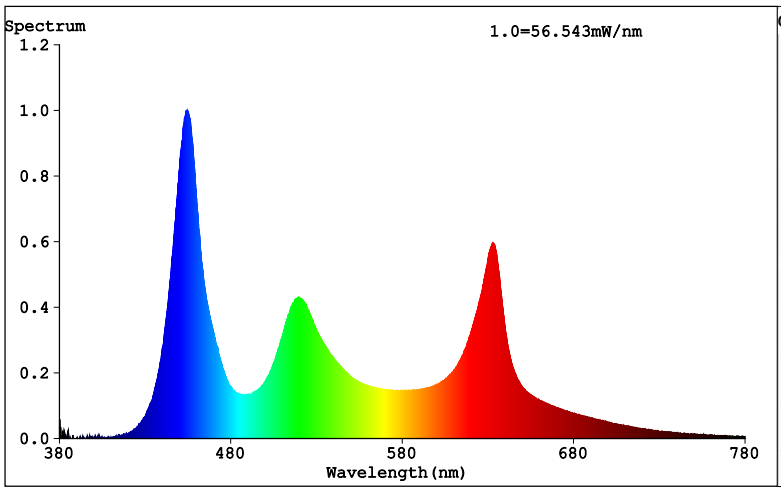
V = 23.997 V I = 0.1335 A P = 3.204 W PF = 1.000

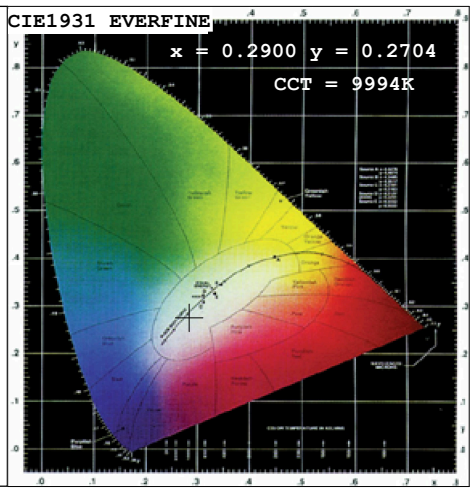
LEVEL:OUT WHITE:ANSI_6500K

*Status: Integral T = 1219 ms Ip = 30792 (47%)*

| | |
|---|---|
| Model:RGBCCT 24V-COB840 | Number:W |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.2900 y=0.2704/u'=0.2047 v'=0.4296

CCT=9994K(Duv=-0.0160) Dominant WL:Ld =466.1nm Purity=21.7%

Ratio:R=20.8% G=71.8% B=7.3% Peak WL:Lp=454.5nm FWHM=19.1nm

Render Index:Ra=64.2 TM30:Rf=73 Rg=120

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =51 | R2 =80 | R3 =78 | R4 =53 | R5 =62 | R6 =79 | R7 =78 | |
| R8 =32 | R9 =-94 | R10=63 | R11=38 | R12=69 | R13=57 | R14=84 | R15=38 |

## Photo Parameters:

Flux = 962.8 lm Eff. : 59.46 lm/W Fe = 4.035 W

## Electrical parameters:

V = 23.997 V I = 0.6748 A P = 16.19 W PF = 1.000

LEVEL:OUT WHITE:OUT

*Status: Integral T = 262 ms Ip = 52619 (80%)*

| | |
|---|---|
| Model:RGBCCT 24V-COB840 | Number:WWRGBW |
| Tester: | Date:2022-11-14 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer: | Remarks:54671-1M . |