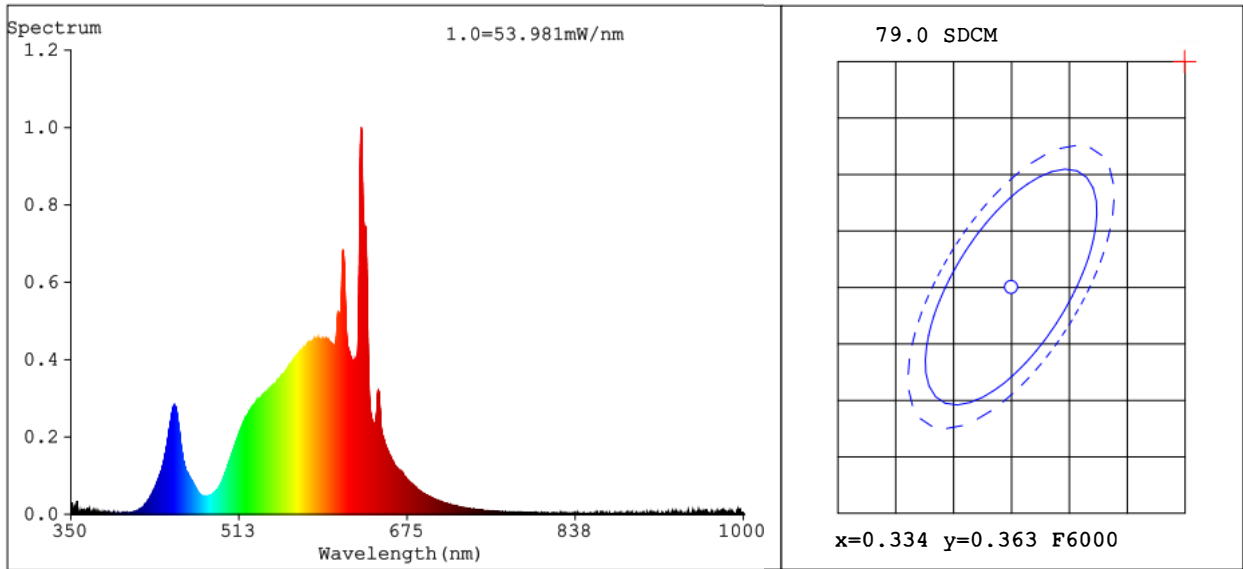


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4428$ $y=0.4139$ / $u'=0.2501$ $v'=0.5261$
 CCT=2983K (Duv=0.0031) Dominant WL:Ld =581.9nm WL:Lc = --nm Purity=57.2%
 Ratio:R=22.964% G=75.441% B=1.595% Peak WL:Lp=630.8nm FWHM=8.7nm
 Render Index:Ra=81.3 AvgR=74.4

R1 =81 R2 =86 R3 =90 R4 =82 R5 =78 R6 =81 R7 =87
 R8 =66 R9 =17 R10=65 R11=80 R12=56 R13=81 R14=93 R15=75

Photo Parameters:

Flux = 1374 lm Eff. : 116.03 lm/W Fe = 3.886 W

Electrical parameters:

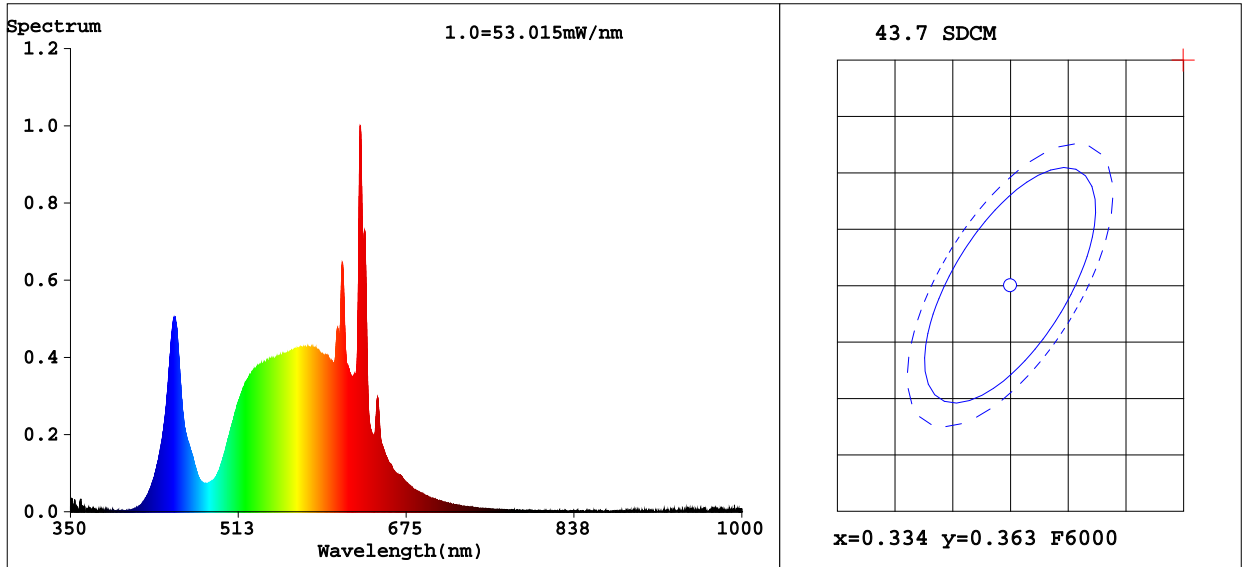
V = 229.80 V I = 0.05506 A P = 11.84 W PF = 0.9349
 LEVEL:OUT WHITE:ANSI 3000K

Status: Integral T = 38 ms Ip = 50789 (77%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-12W-3000K
 Date:2025-10-12 10:34:08
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3947$ $y=0.3931$ / $u'=0.2279$ $v'=0.5107$
 CCT=3761K(Duv=0.0035) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=36.4%
 Ratio:R=19.587% G=77.985% B=2.428% Peak WL:Lp=630.5nm FWHM=8.4nm
 Render Index:Ra=83.9 AvgR=77.6

R1 =84 R2 =86 R3 =86 R4 =86 R5 =82 R6 =80 R7 =90
 R8 =77 R9 =35 R10=65 R11=84 R12=53 R13=84 R14=91 R15=81

Photo Parameters:

Flux = 1442 lm Eff. : 124.05 lm/W Fe = 4.169 W

Electrical parameters:

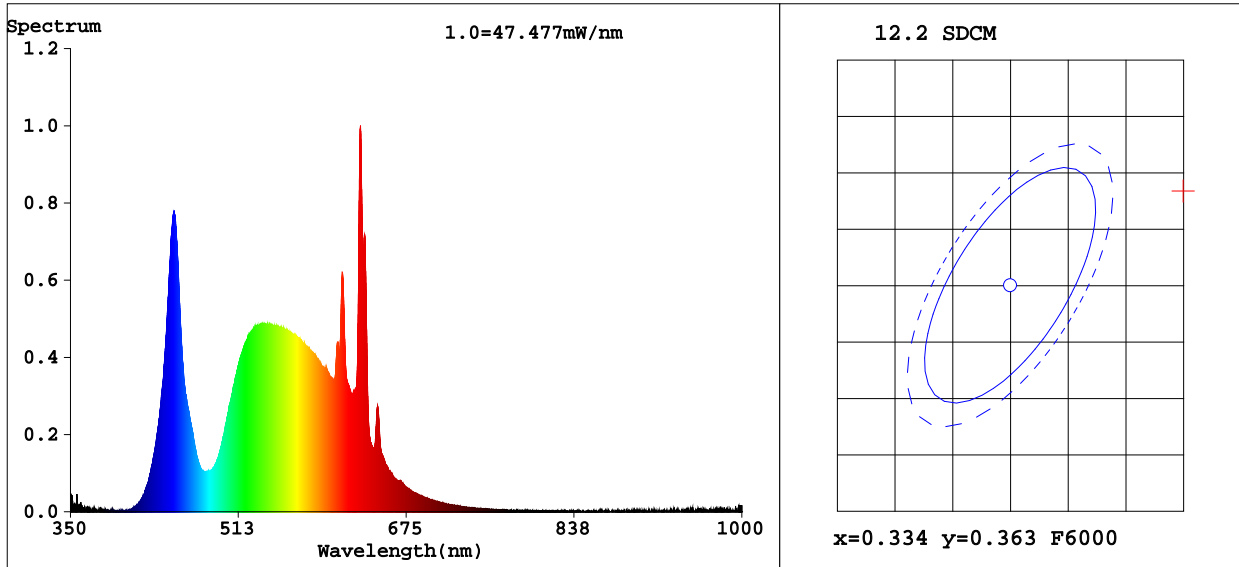
V = 229.83 V I = 0.05426 A P = 11.62 W PF = 0.9309
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 38 ms Ip = 49792 (76%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-12W-4000K
 Date:2025-10-12 10:35:58
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3510$ $y=0.3714$ / $u'=0.2078$ $v'=0.4948$
 CCT=4860K(Duv=0.0074) Dominant WL:Ld =569.2nm WL:Lc = --nm Purity=16.8%
 Ratio:R=16.250% G=80.562% B=3.188% Peak WL:Lp=630.8nm FWHM=8.2nm
 Render Index:Ra=82.4 AvgR=75.8

R1 =83 R2 =83 R3 =81 R4 =84 R5 =81 R6 =76 R7 =90
 R8 =81 R9 =39 R10=58 R11=82 R12=48 R13=82 R14=89 R15=81

Photo Parameters:

Flux = 1431 lm Eff. : 120.72 lm/W Fe = 4.234 W

Electrical parameters:

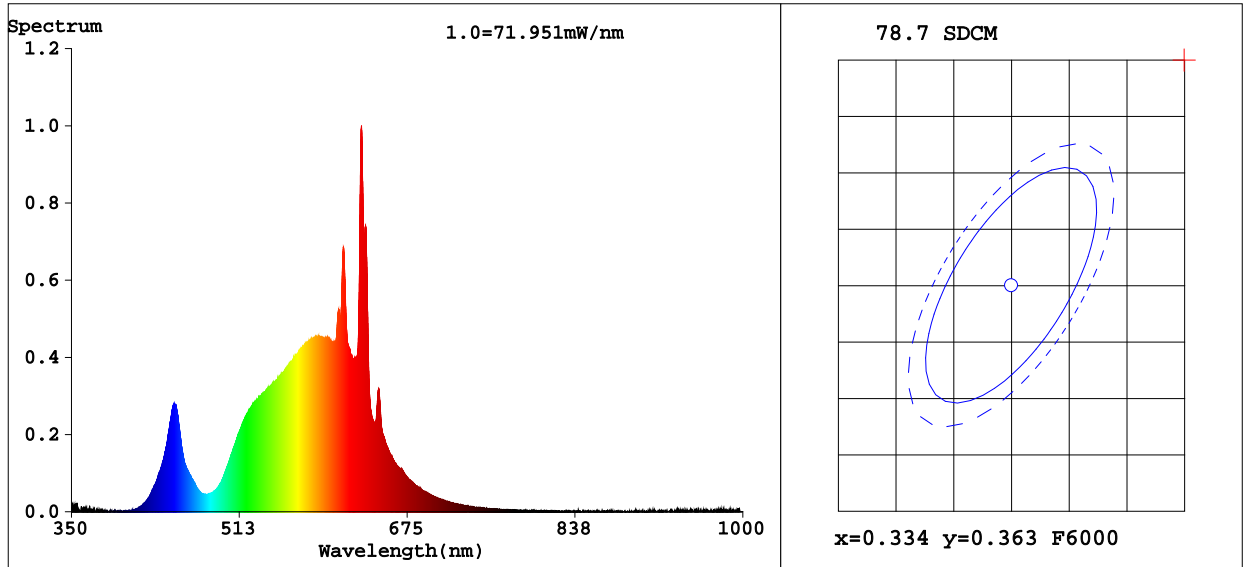
V = 229.79 V I = 0.05516 A P = 11.85 W PF = 0.9336
 LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 38 ms Ip = 44669 (68%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-12W-5000K
 Date:2025-10-12 10:36:14
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4421$ $y=0.4133$ $u'=0.2500$ $v'=0.5257$
 CCT=2988K(Duv=0.0029) Dominant WL:Ld =581.9nm WL:Lc = --nm Purity=56.8%
 Ratio:R=22.919% G=75.498% B=1.583% Peak WL:Lp=630.8nm FWHM=8.8nm
 Render Index:Ra=81.1 AvgR=74.2

R1 =80 R2 =85 R3 =89 R4 =82 R5 =78 R6 =80 R7 =87
 R8 =66 R9 =17 R10=64 R11=79 R12=55 R13=81 R14=93 R15=75

Photo Parameters:

Flux = 1838 lm Eff. : 116.14 lm/W Fe = 5.199 W

Electrical parameters:

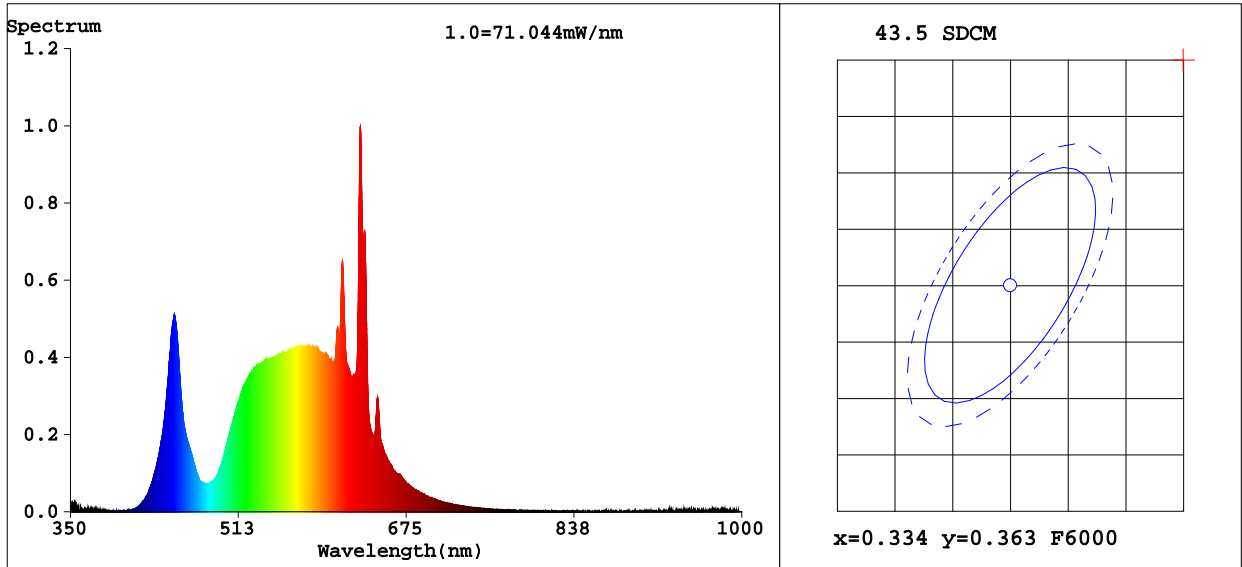
V = 229.80 V I = 0.07165 A P = 15.83 W PF = 0.9599
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 30 ms Ip = 53445 (82%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-16W-3000K
 Date:2025-10-12 10:37:20
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3942$ $y=0.3923$ $u'=0.2279$ $v'=0.5103$
 CCT=3767K(Duv=0.0034) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=36.1%
 Ratio:R=19.558% G=78.031% B=2.411% Peak WL:Lp=630.8nm FWHM=8.4nm
 Render Index:Ra=83.8 AvgR=77.5

R1 =84 R2 =86 R3 =85 R4 =86 R5 =82 R6 =80 R7 =90
 R8 =77 R9 =35 R10=64 R11=84 R12=54 R13=84 R14=91 R15=81

Photo Parameters:

Flux = 1944 lm Eff. : 125.70 lm/W Fe = 5.612 W

Electrical parameters:

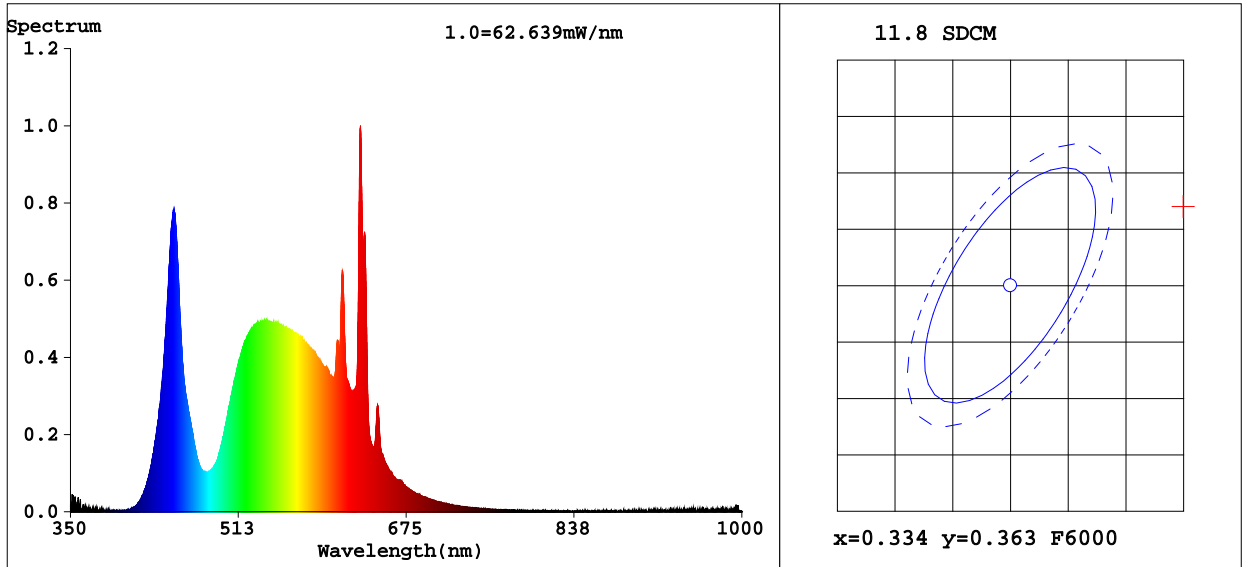
V = 229.84 V I = 0.07009 A P = 15.47 W PF = 0.9590
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 52751 (80%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-16W-4000K
 Date:2025-10-12 10:37:35
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3501$ $y=0.3700$ $u'=0.2078$ $v'=0.4941$
 CCT=4886K(Duv=0.0070) Dominant WL:Ld =569.1nm WL:Lc = --nm Purity=16.1%
 Ratio:R=16.215% G=80.607% B=3.178% Peak WL:Lp=630.8nm FWHM=8.2nm
 Render Index:Ra=82.2 AvgR=75.7

R1 =83 R2 =83 R3 =81 R4 =84 R5 =81 R6 =76 R7 =89
 R8 =81 R9 =39 R10=57 R11=82 R12=48 R13=82 R14=89 R15=81

Photo Parameters:

Flux = 1915 lm Eff. : 120.92 lm/W Fe = 5.687 W

Electrical parameters:

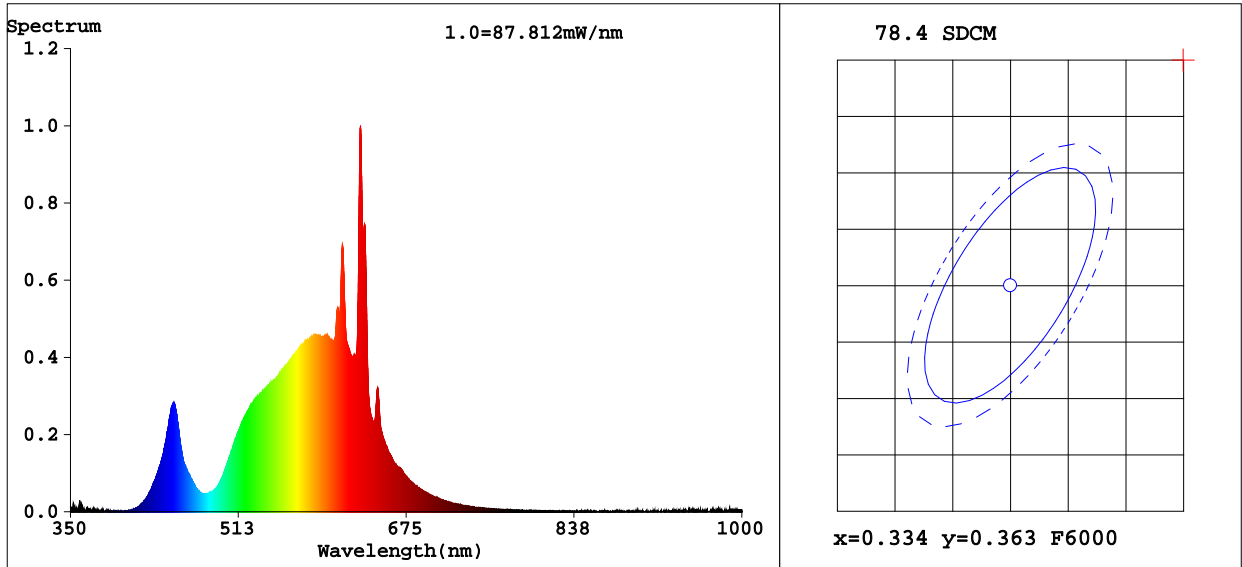
V = 229.83 V I = 0.07165 A P = 15.84 W PF = 0.9606
 LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 30 ms Ip = 46524 (71%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-16W-5000K
 Date:2025-10-12 10:37:50
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4414$ $y=0.4119$ / $u'=0.2501$ $v'=0.5251$
 CCT=2989K(Duv=0.0025) Dominant WL:Ld =582.0nm WL:Lc = --nm Purity=56.1%
 Ratio:R=22.946% G=75.457% B=1.597% Peak WL:Lp=630.8nm FWHM=8.8nm
 Render Index:Ra=81.0 AvgR=74.2

R1 =80 R2 =85 R3 =89 R4 =82 R5 =78 R6 =80 R7 =87
 R8 =66 R9 =17 R10=65 R11=79 R12=56 R13=81 R14=93 R15=75

Photo Parameters:

Flux = 2265 lm Eff. : 113.75 lm/W Fe = 6.430 W

Electrical parameters:

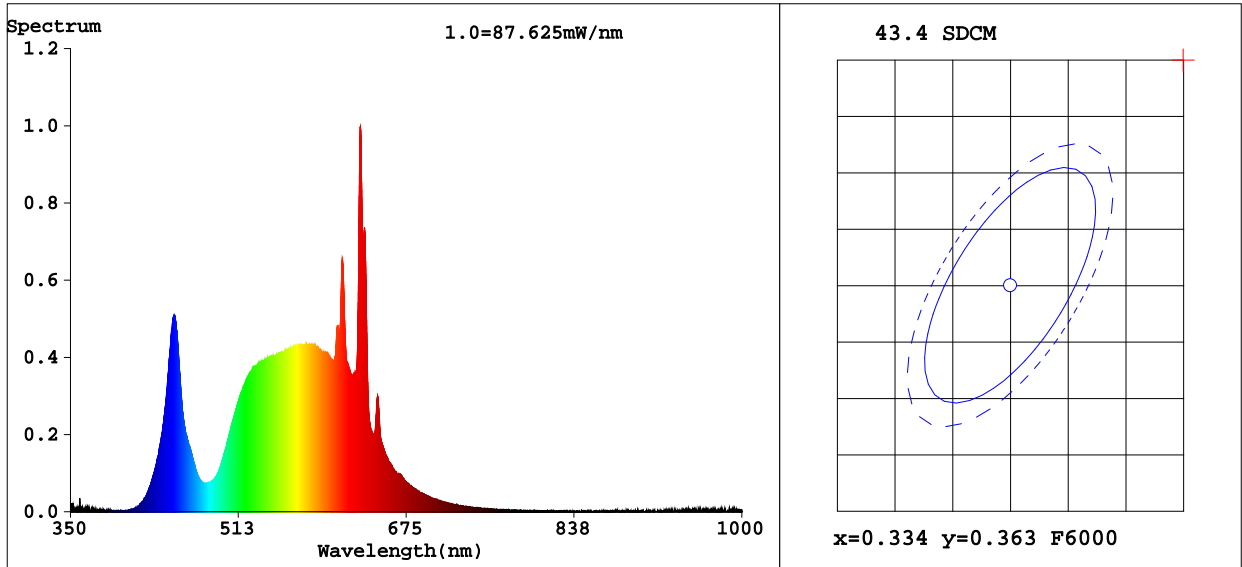
V = 229.82 V I = 0.08894 A P = 19.91 W PF = 0.9730
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 52174 (80%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-20W-3000K
 Date:2025-10-12 10:40:32
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3938$ $y=0.3912$ $u'=0.2281$ $v'=0.5098$
 CCT=3767K(Duv=0.0029) Dominant WL:Ld =578.6nm WL:Lc = --nm Purity=35.6%
 Ratio:R=19.604% G=77.971% B=2.424% Peak WL:Lp=630.8nm FWHM=8.4nm
 Render Index:Ra=83.8 AvgR=77.5

R1 =84 R2 =86 R3 =85 R4 =86 R5 =82 R6 =80 R7 =90
 R8 =77 R9 =35 R10=64 R11=84 R12=54 R13=84 R14=91 R15=81

Photo Parameters:

Flux = 2420 lm Eff. : 125.33 lm/W Fe = 7.012 W

Electrical parameters:

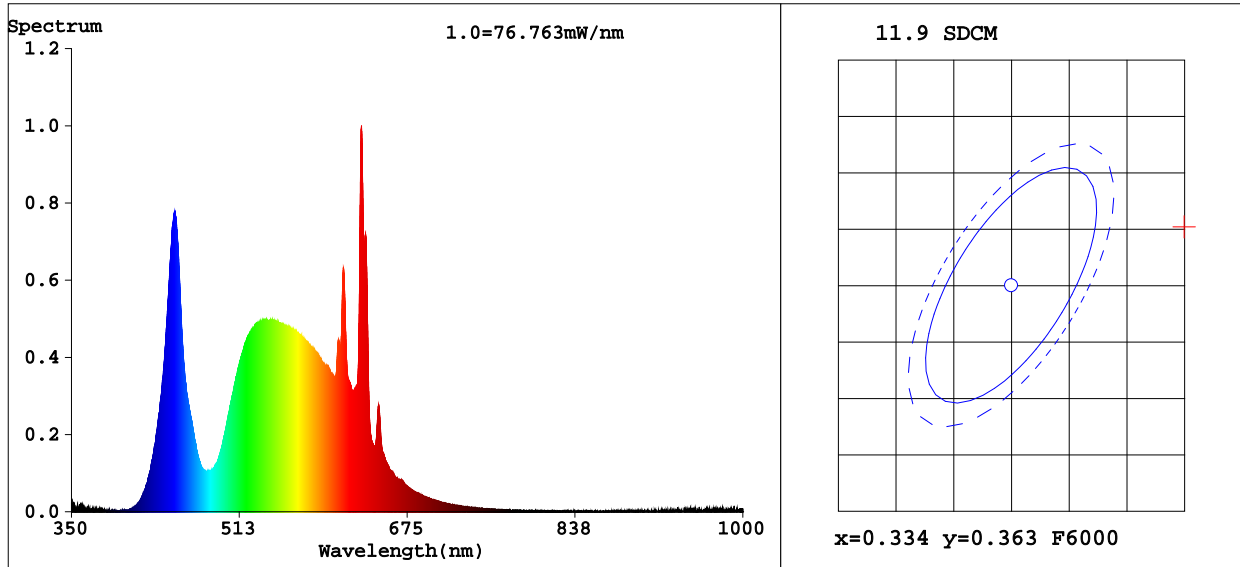
V = 229.79 V I = 0.08643 A P = 19.31 W PF = 0.9711
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 52051 (79%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-20W-4000K
 Date:2025-10-12 10:40:47
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3496$ $y=0.3682$ $u'=0.2081$ $v'=0.4932$
 CCT=4895K(Duv=0.0064) Dominant WL:Ld =569.3nm WL:Lc = --nm Purity=15.4%
 Ratio:R=16.260% G=80.542% B=3.198% Peak WL:Lp=630.8nm FWHM=8.2nm
 Render Index:Ra=82.3 AvgR=75.9

R1 =83 R2 =83 R3 =81 R4 =84 R5 =81 R6 =76 R7 =89
 R8 =81 R9 =40 R10=58 R11=82 R12=49 R13=82 R14=89 R15=81

Photo Parameters:

Flux = 2360 lm Eff. : 118.47 lm/W Fe = 7.032 W

Electrical parameters:

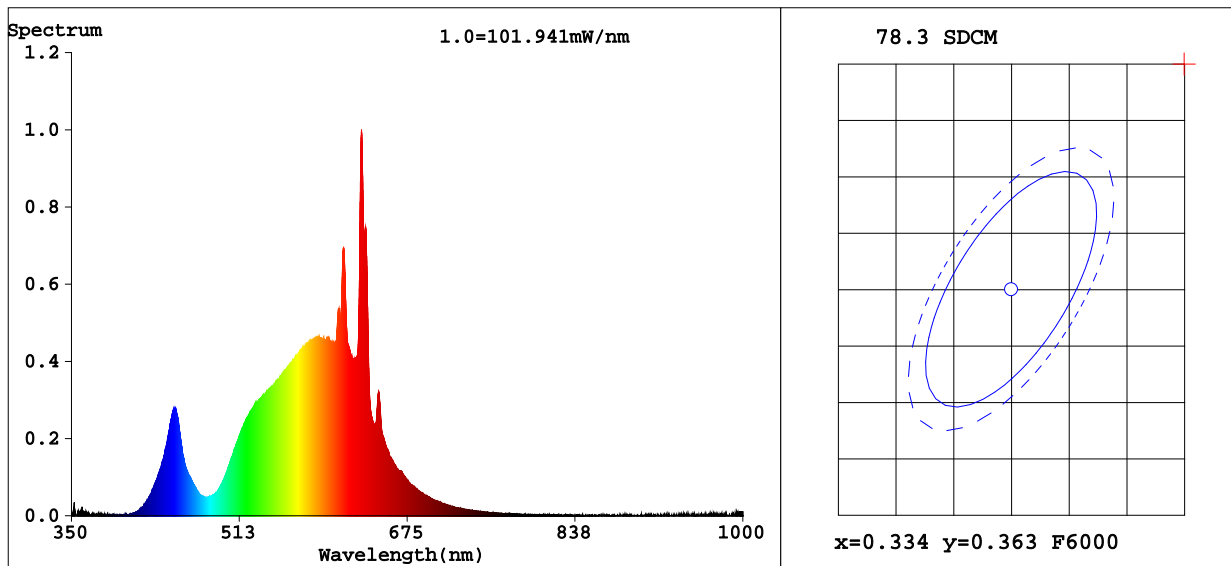
V = 229.77 V I = 0.08897 A P = 19.92 W PF = 0.9732
 LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 24 ms Ip = 45616 (70%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-20W-5000K
 Date:2025-10-12 10:41:03
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4409$ $y=0.4104$ / $u'=0.2504$ $v'=0.5244$
 CCT=2986K(Duv=0.0020) Dominant WL:Ld =582.2nm WL:Lc = --nm Purity=55.5%
 Ratio:R=22.981% G=75.399% B=1.620% Peak WL:Lp=630.8nm FWHM=8.9nm
 Render Index:Ra=81.0 AvgR=74.2

R1 =80 R2 =86 R3 =89 R4 =81 R5 =78 R6 =80 R7 =87
 R8 =66 R9 =17 R10=65 R11=79 R12=56 R13=81 R14=93 R15=75

Photo Parameters:

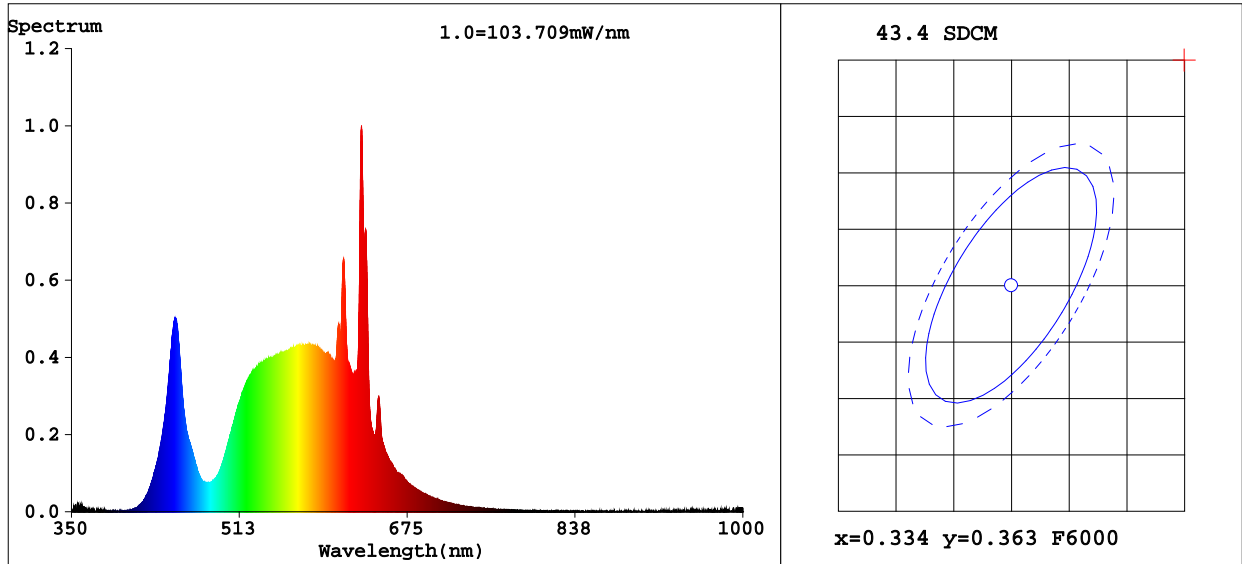
Flux = 2648 lm Eff. : 110.56 lm/W Fe = 7.535 W

Electrical parameters:

V = 229.83 V I = 0.1062 A P = 23.95 W PF = 0.9798
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 19 ms Ip = 47988 (73%)

Model:	Number:Whole Lamp-Stable-24W-3000K
Tester:QC	Date:2025-10-12 10:46:07
Temperature:20Deg	Humidity:65.0%
Manufacturer:	Remarks:

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3934$ $y=0.3900$ $u'=0.2283$ $v'=0.5092$

CCT=3768K(Duv=0.0025) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=35.1%

Ratio:R=19.652% G=77.903% B=2.445% Peak WL:Lp=630.8nm FWHM=8.5nm

Render Index:Ra=83.9 AvgR=77.8

R1 =85 R2 =86 R3 =85 R4 =86 R5 =83 R6 =80 R7 =90
 R8 =77 R9 =36 R10=65 R11=84 R12=55 R13=84 R14=91 R15=81

Photo Parameters:

Flux = 2858 lm Eff. : 123.46 lm/W Fe = 8.292 W

Electrical parameters:

V = 229.79 V I = 0.1028 A P = 23.15 W PF = 0.9786

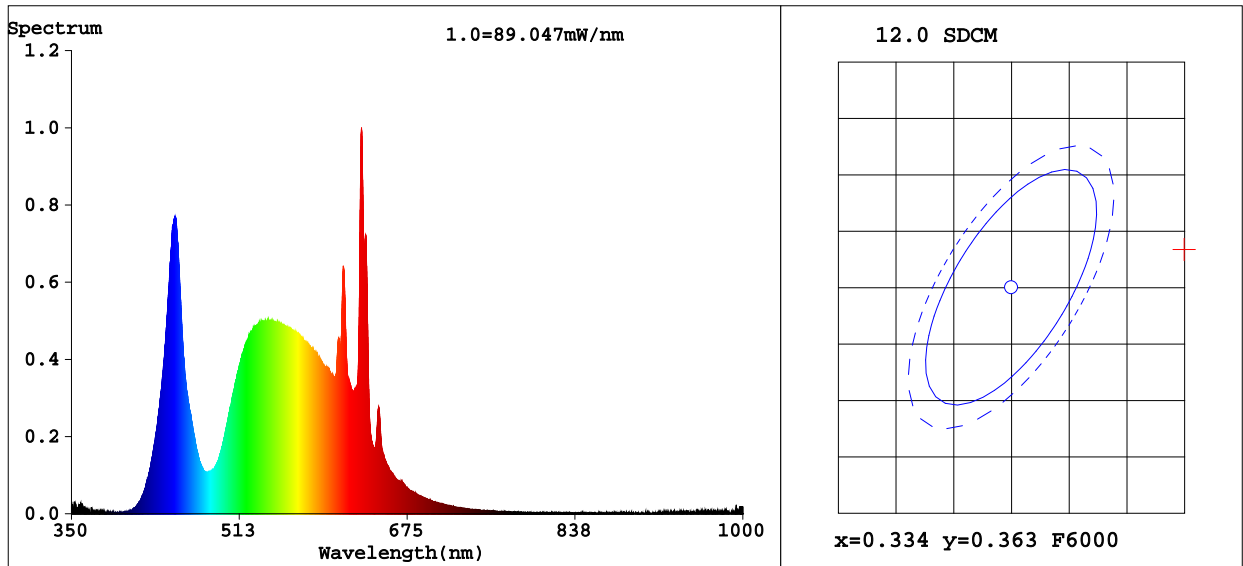
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 48796 (74%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-24W-4000K
 Date:2025-10-12 10:46:24
 Humidity:65.0%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3491$ $y=0.3664$ $u'=0.2085$ $v'=0.4923$
 CCT=4908K(Duv=0.0057) Dominant WL:Ld =569.5nm WL:Lc = --nm Purity=14.7%
 Ratio:R=16.345% G=80.417% B=3.239% Peak WL:Lp=630.8nm FWHM=8.2nm
 Render Index:Ra=82.6 AvgR=76.3

R1 =84 R2 =83 R3 =81 R4 =84 R5 =82 R6 =77 R7 =89
 R8 =82 R9 =41 R10=58 R11=82 R12=50 R13=82 R14=89 R15=82

Photo Parameters:

Flux = 2756 lm Eff. : 115.00 lm/W Fe = 8.265 W

Electrical parameters:

V = 229.83 V I = 0.1063 A P = 23.97 W PF = 0.9794
 LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 19 ms Ip = 41908 (64%)

Model:
 Tester:QC
 Temperature:20Deg
 Manufacturer:

Number:Whole Lamp-Stable-24W-5000K
 Date:2025-10-12 10:46:41
 Humidity:65.0%
 Remarks: