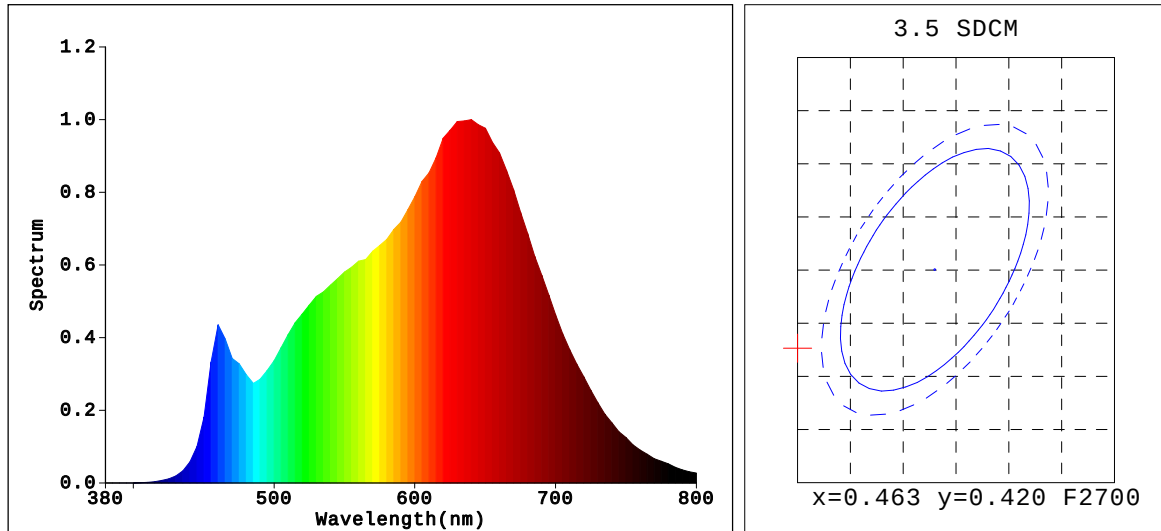


Spectrophotocolorimeter Test Report

ZL-C22-2W27E14C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4479$ $y=0.4126$ $u'=0.2540$ $v'=0.5263$
Tc=2751K Dominant WL:Ld=582.7nm Purity=58.3% Centroid WL:615.0nm
Ratio:R=27.2% G=69.9% B=2.9% Peak WL:Lp=640.0nm HWL:169.5nm
Render Index:Ra=96.9
R1 =98 R2 =98 R3 =99 R4 =96 R5 =97 R6 =97 R7 =95
R8 =96 R9 =96 R10=98 R11=97 R12=92 R13=98 R14=98 R15=97

Photo Parameters:

Flux: 148.67 lm Fe: 0.57643 W Efficacy:69.85 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009048A P=2.128W PF=0.9736

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5093(R=4) $\lambda=0.299\mu\text{m}$

$I_p=39057(G=6, D=92)$
PMT: 32.8 centigrade [43.5]

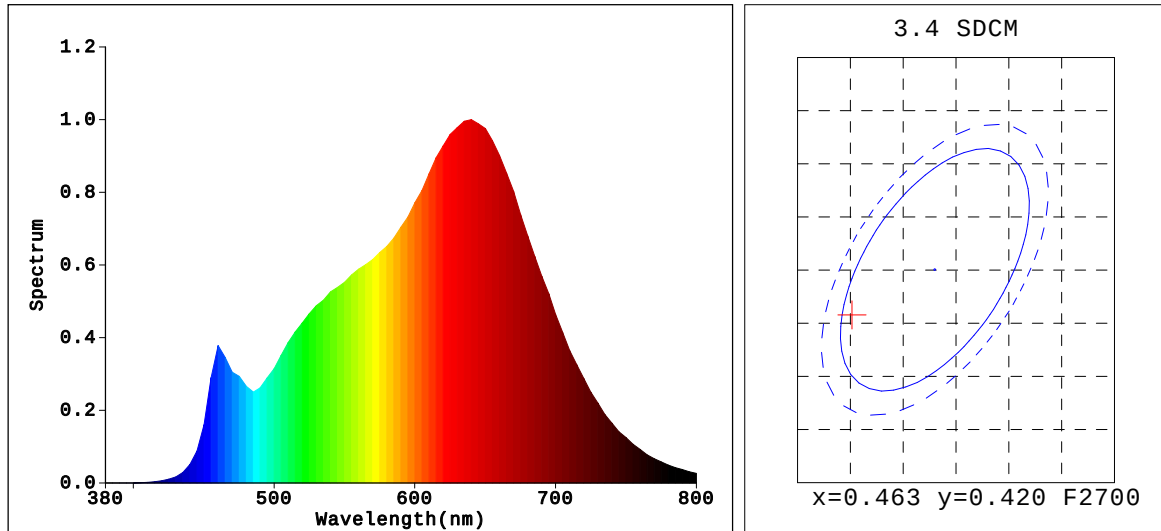
Product Type:ZL-C22-2W27E14C
Number:
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E14C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4552$ $y=0.4157$ / $u'=0.2572$ $v'=0.5286$
Tc=2707K Dominant WL:Ld=582.9nm Purity=61.4% Centroid WL:617.0nm
Ratio:R=27.8% G=69.5% B=2.7% Peak WL:Lp=640.0nm HWL:162.8nm
Render Index:Ra=97.1
R1 =98 R2 =99 R3 =98 R4 =96 R5 =97 R6 =97 R7 =95
R8 =96 R9 =95 R10=98 R11=97 R12=93 R13=98 R14=98 R15=97

Photo Parameters:

Flux: 149.18 lm Fe: 0.58173 W Efficacy:70.30 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009024A P=2.122W PF=0.9733

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5118(R=4) $\lambda=0.398\%$

$I_p=39140(G=6, D=92)$
PMT: 32.9 centigrade [43.2]

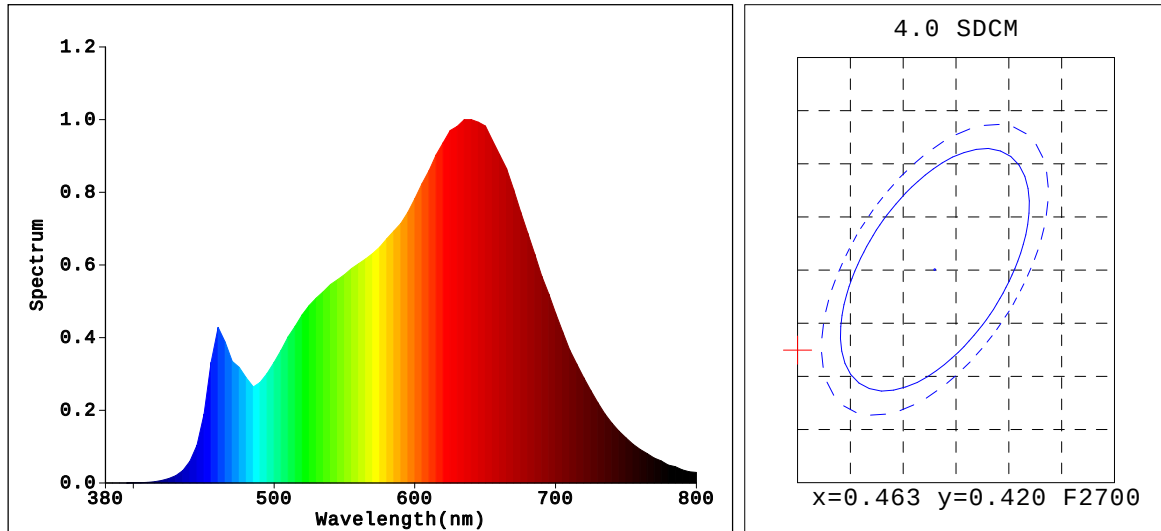
Product Type:ZL-C22-2W27E14C
Number:
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotometer Test Report

ZL-C22-2W27E14C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4488$ $y=0.4124$ $u'=0.2546$ $v'=0.5264$
Tc=2767K Dominant WL:Ld=582.8nm Purity=58.5% Centroid WL:615.0nm
Ratio:R=27.3% G=69.8% B=2.8% Peak WL:Lp=635.0nm HWL:169.2nm
Render Index:Ra=97.1
R1 =98 R2 =99 R3 =98 R4 =96 R5 =97 R6 =97 R7 =95
R8 =96 R9 =96 R10=98 R11=98 R12=92 R13=98 R14=98 R15=97

Photo Parameters:

Flux: 146.05 lm Fe: 0.56767 W Efficacy:68.39 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009080A P=2.135W PF=0.9732

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5006(R=4) %=-0.264%

Ip=38361(G=6,D=90)
PMT: 33.0 centigrade [43.3]

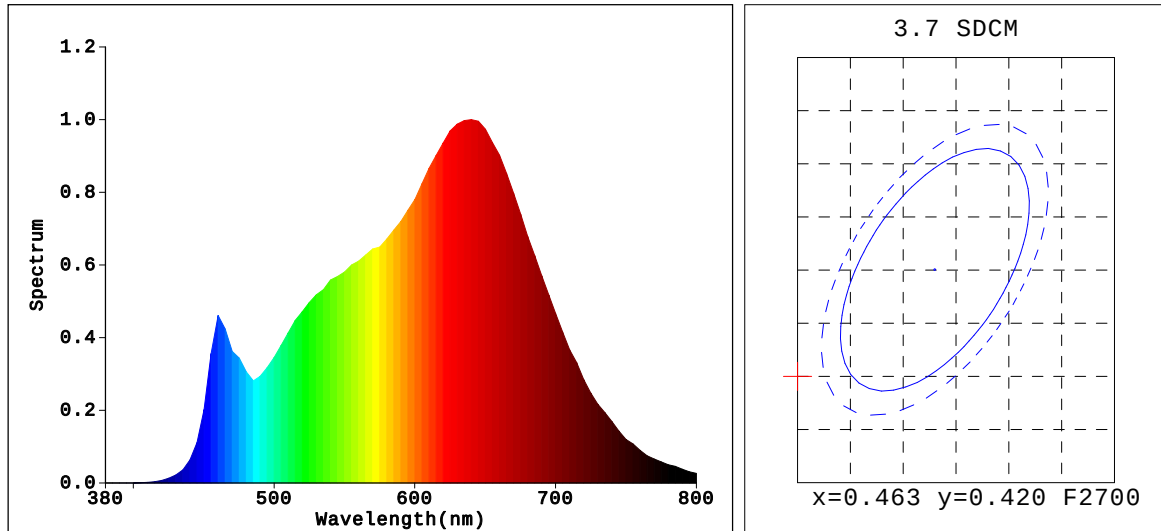
Product Type:ZL-C22-2W27E14C
Number:
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E14C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4441$ $y=0.4100$ $u'=0.2526$ $v'=0.5247$
Tc=2730K Dominant WL:Ld=582.7nm Purity=56.3% Centroid WL:614.0nm
Ratio:R=27.0% G=70.0% B=3.0% Peak WL:Lp=640.0nm HWL:171.0nm
Render Index:Ra=96.9
R1 =98 R2 =98 R3 =99 R4 =96 R5 =97 R6 =97 R7 =95
R8 =96 R9 =98 R10=98 R11=98 R12=92 R13=97 R14=98 R15=97

Photo Parameters:

Flux: 151.55 lm Fe: 0.58789 W Efficacy:71.28 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009042A P=2.126W PF=0.9733

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5187(R=4) %=-0.313%

Ip=39972(G=6,D=91)
PMT: 33.1 centigrade [43.2]

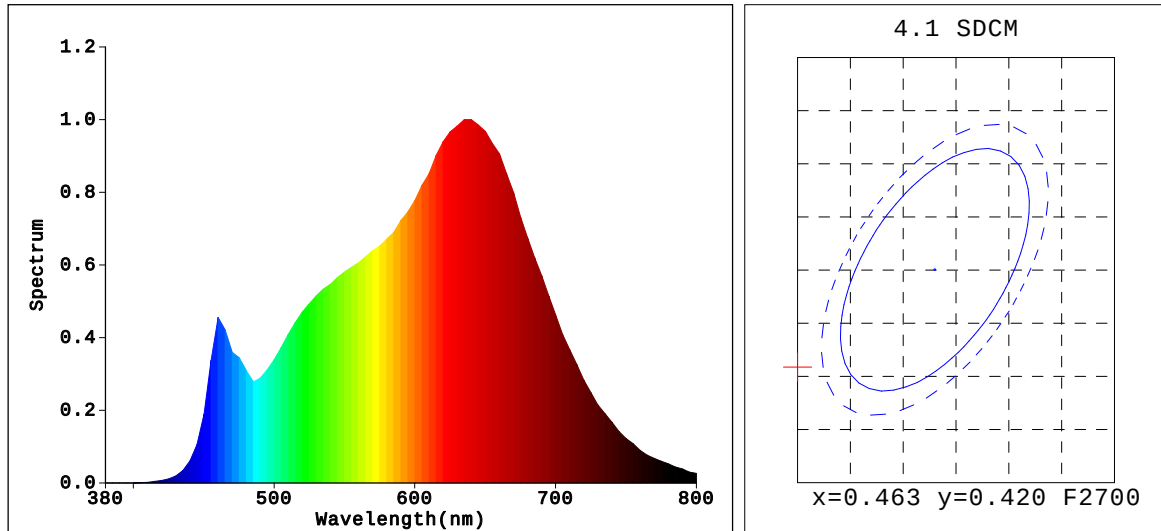
Product Type:ZL-C22-2W27E14C
Number:
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E14C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4452$ $y=0.4108$ $u'=0.2530$ $v'=0.5252$
Tc=2720K Dominant WL:Ld=582.6nm Purity=56.9% Centroid WL:614.0nm
Ratio:R=27.1% G=70.0% B=2.9% Peak WL:Lp=640.0nm HWL:170.0nm
Render Index:Ra=96.8
R1 =98 R2 =98 R3 =99 R4 =96 R5 =97 R6 =97 R7 =95
R8 =96 R9 =97 R10=98 R11=98 R12=92 R13=98 R14=98 R15=97

Photo Parameters:

Flux: 151.59 lm Fe: 0.58773 W Efficacy:71.23 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009048A P=2.128W PF=0.9735

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5189(R=4) %=-0.215%

Ip=39718(G=6,D=93)
PMT: 33.1 centigrade [43.2]

Product Type:ZL-C22-2W27E14C
Number:
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:
Instrument:PMS-80_V1 (SN:1009039)