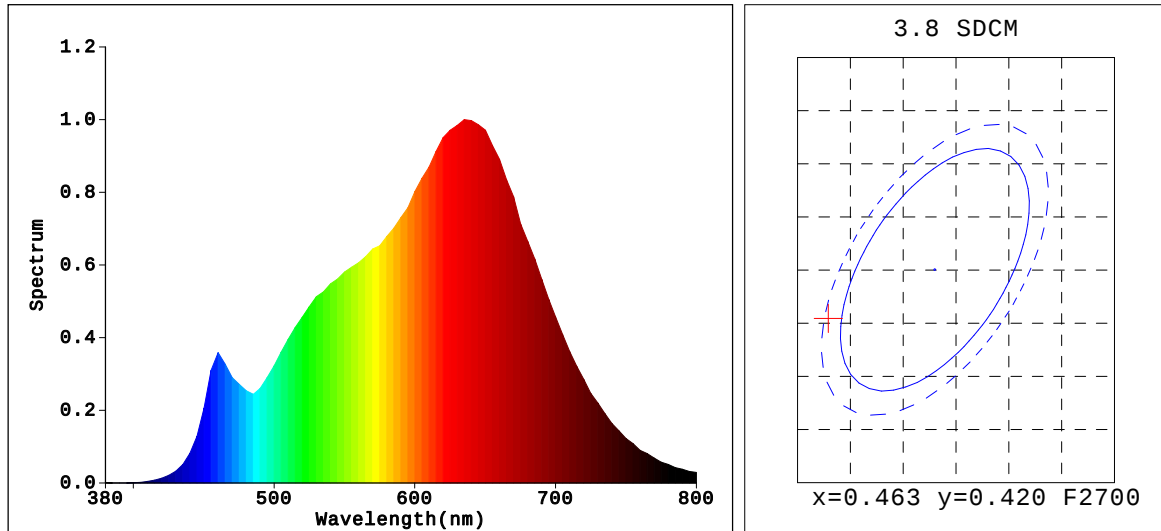


Spectrophotocolorimeter Test Report

ZL-C22-2W27E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4529$ $y=0.4154$ / $u'=0.2559$ $v'=0.5281$
Tc=2738K Dominant WL:Ld=582.8nm Purity=60.6% Centroid WL:615.0nm
Ratio:R=27.4% G=70.0% B=2.6% Peak WL:Lp=635.0nm HWL:167.9nm
Render Index:Ra=97.6
R1 =99 R2 =99 R3 =97 R4 =97 R5 =98 R6 =99 R7 =97
R8 =95 R9 =90 R10=97 R11=99 R12=94 R13=99 R14=97 R15=97

Photo Parameters:

Flux: 142.63 lm Fe: 0.70037 W Efficacy:71.91 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009514A P=2.031W PF=0.8837

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=6242(R=4) %=-0.618%

Ip=47361(G=6,D=94)
PMT: 34.4 centigrade [37.3]

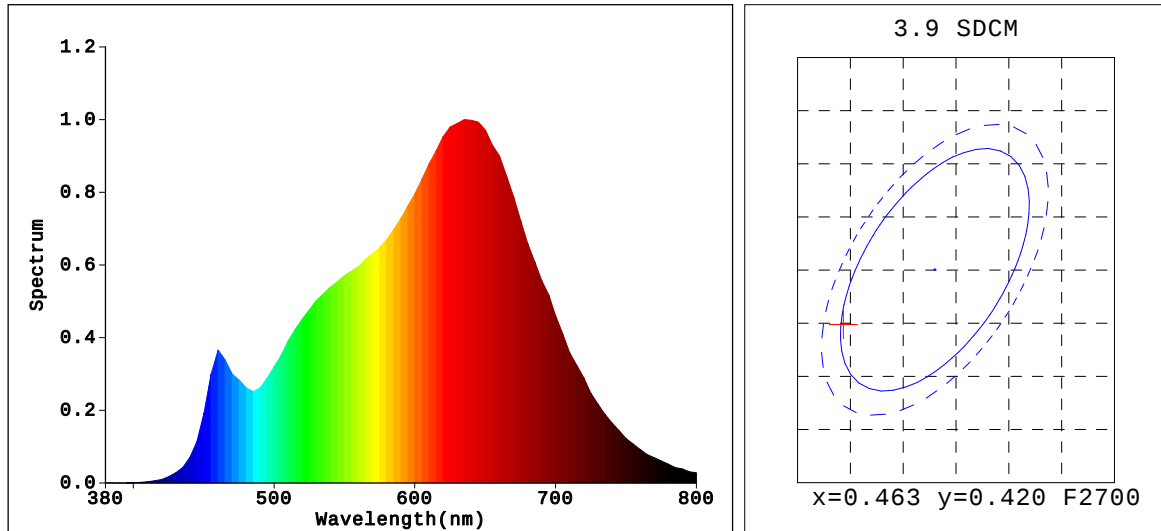
Product Type:ZL-C22-2W27E10C
Number:1
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:34:54
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4543$ $y=0.4148$ $u'=0.2571$ $v'=0.5281$
Tc=2712K Dominant WL:Ld=583.0nm Purity=60.9% Centroid WL:615.0nm
Ratio:R=27.7% G=69.7% B=2.6% Peak WL:Lp=635.0nm HWL:166.9nm
Render Index:Ra=97.5
R1 =99 R2 =99 R3 =98 R4 =97 R5 =98 R6 =98 R7 =96
R8 =95 R9 =91 R10=98 R11=98 R12=94 R13=99 R14=98 R15=97

Photo Parameters:

Flux: 145.04 lm Fe: 0.71329 W Efficacy:72.25 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009596A P=2.050W PF=0.8842

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=6326(R=4) %=-0.434%

Ip=47405(G=6,D=99)
PMT: 34.4 centigrade [37.3]

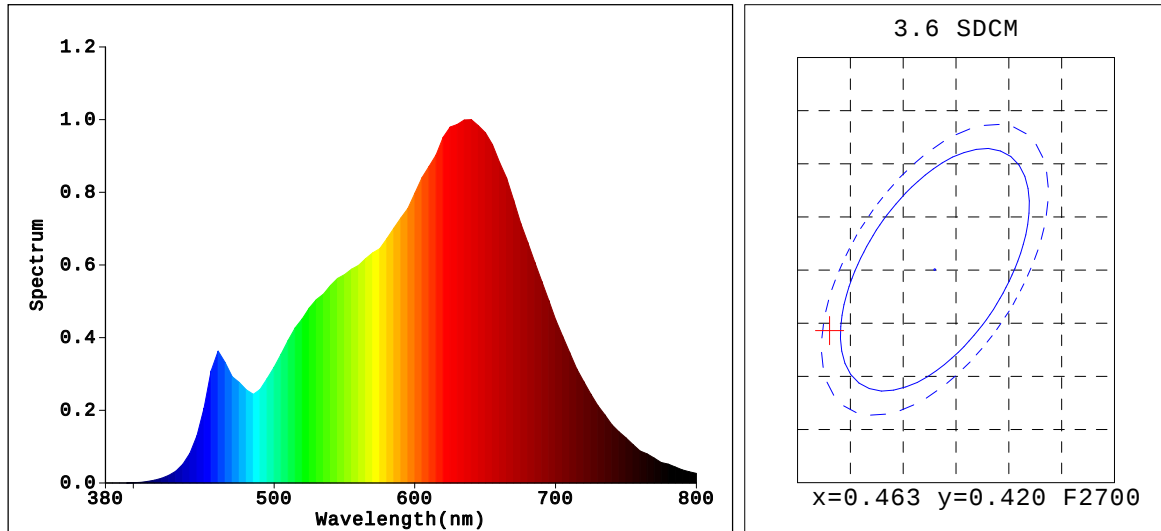
Product Type:ZL-C22-2W27E10C
Number:2
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:36:18
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4530$ $y=0.4143$ $u'=0.2565$ $v'=0.5277$
Tc=2727K Dominant WL:Ld=582.9nm Purity=60.3% Centroid WL:615.0nm
Ratio:R=27.6% G=69.8% B=2.6% Peak WL:Lp=640.0nm HWL:166.2nm
Render Index:Ra=97.7
R1 =99 R2 =99 R3 =97 R4 =97 R5 =98 R6 =99 R7 =96
R8 =95 R9 =90 R10=97 R11=99 R12=94 R13=99 R14=97 R15=97

Photo Parameters:

Flux: 144.28 lm Fe: 0.70758 W Efficacy:72.50 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009533A P=2.036W PF=0.8843

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=6299(R=4) %=-0.387%

Ip=47427(G=6,D=99)
PMT: 34.4 centigrade [37.4]

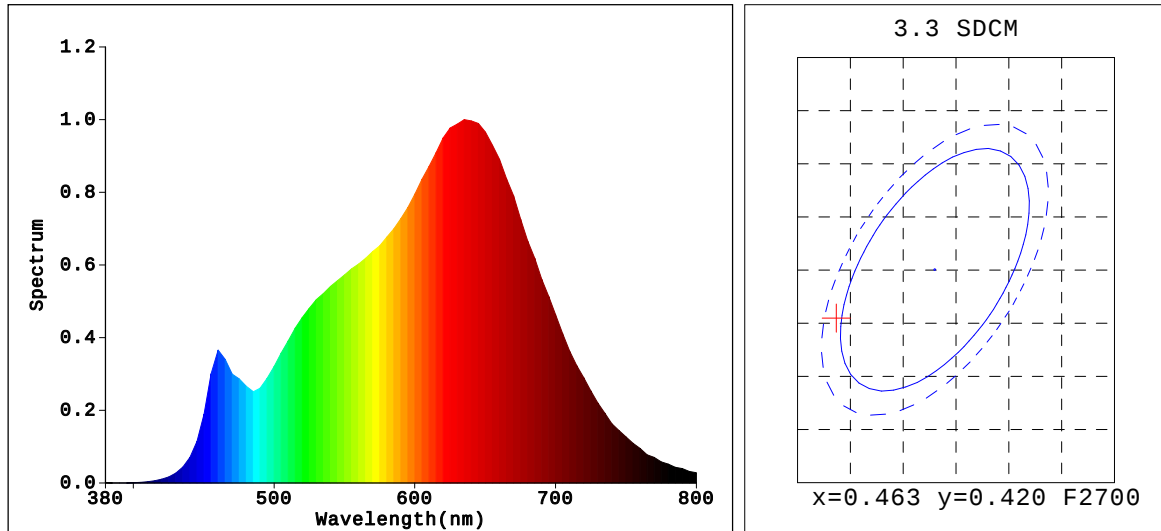
Product Type:ZL-C22-2W27E10C
Number:3
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:38:02
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4537$ $y=0.4155$ / $u'=0.2564$ $v'=0.5283$
Tc=2727K Dominant WL:Ld=582.8nm Purity=60.9% Centroid WL:615.0nm
Ratio:R=27.5% G=69.8% B=2.6% Peak WL:Lp=635.0nm HWL:167.2nm
Render Index:Ra=97.5
R1 =99 R2 =99 R3 =98 R4 =97 R5 =97 R6 =98 R7 =96
R8 =95 R9 =91 R10=97 R11=98 R12=84 R13=99 R14=98 R15=97

Photo Parameters:

Flux: 144.02 lm Fe: 0.70852 W Efficacy:72.59 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009608A P=2.054W PF=0.8850

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=6290(R=4) %=-0.613%

Ip=47565(G=6,D=99)
PMT: 34.4 centigrade [37.4]

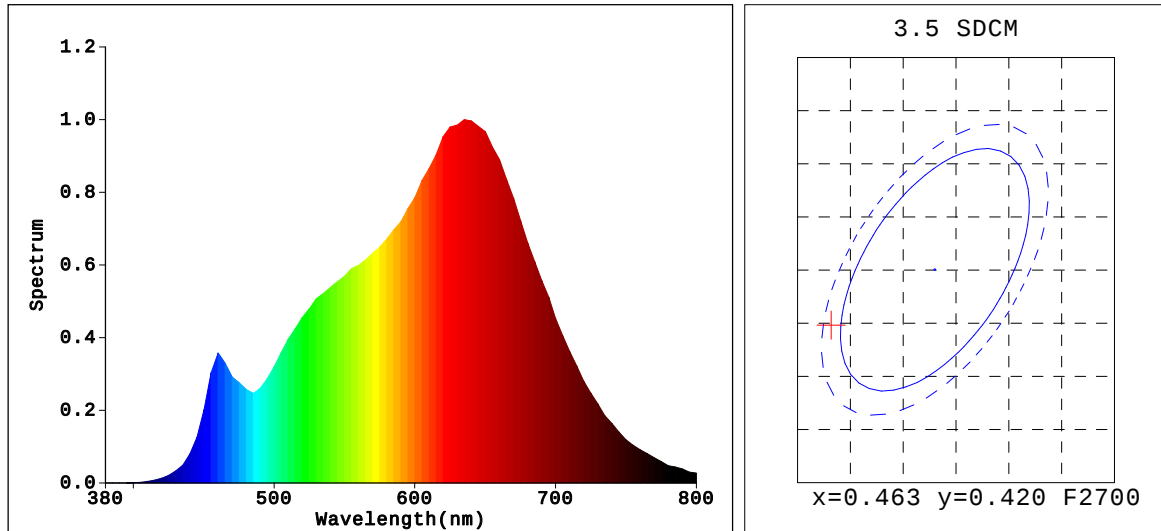
Product Type:ZL-C22-2W27E10C
Number:4
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:39:28
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W27E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4532$ $y=0.4148$ $u'=0.2564$ $v'=0.5279$
Tc=2729K Dominant WL:Ld=582.9nm Purity=60.5% Centroid WL:615.0nm
Ratio:R=27.6% G=69.9% B=2.6% Peak WL:Lp=635.0nm HWL:167.2nm
Render Index:Ra=97.7
R1 =99 R2 =99 R3 =97 R4 =97 R5 =98 R6 =99 R7 =96
R8 =96 R9 =91 R10=98 R11=98 R12=94 R13=99 R14=97 R15=97

Photo Parameters:

Flux: 142.36 lm Fe: 0.70169 W Efficacy:71.38 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009543A P=2.040W PF=0.8850

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=6234(R=4) %=-0.326%

Ip=47062(G=6,D=100)
PMT: 34.4 centigrade [37.3]

Product Type:ZL-C22-2W27E10C
Number:5
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:40:55
Instrument:PMS-80_V1 (SN:1009039)