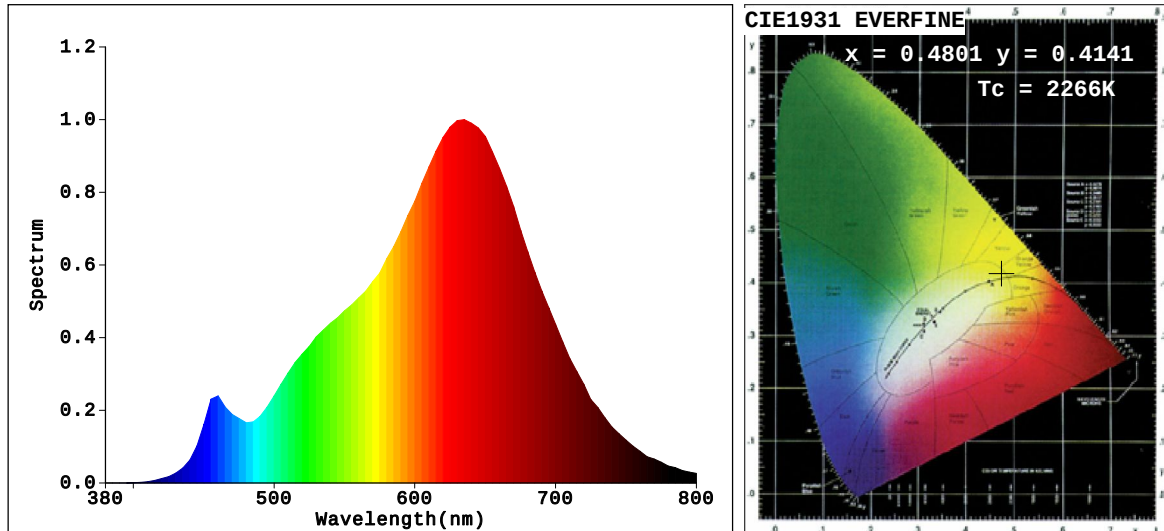


Spectrophotocolorimeter Test Report

ZL-C22-2W22E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4801$ $y=0.4141$ / $u'=0.2740$ $v'=0.5317$
Tc=2266K Dominant WL:Ld=585.5nm Purity=68.4% Centroid WL:621.0nm
Ratio:R=30.9% G=67.1% B=2.0% Peak WL:Lp=635.0nm HWL:135.5nm
Render Index:Ra=97.3
R1 =99 R2 =100 R3 =99 R4 =99 R5 =99 R6 =97 R7 =95
R8 =91 R9 =91 R10=99 R11=98 R12=89 R13=100 R14=98 R15=96

Photo Parameters:

Flux: 140.15 lm Fe: 0.67233 W Efficacy:70.25 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009471A P=2.019W PF=0.8825

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5861(R=4) %=-0.347%

Ip=45483(G=6,D=98)
PMT: 33.4 centigrade [37.1]

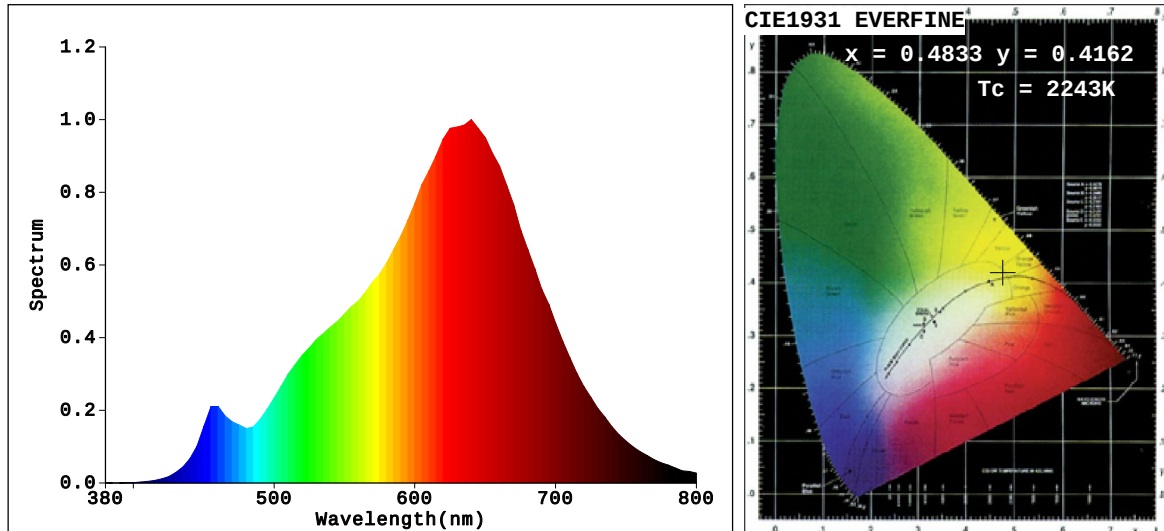
Product Type:ZL-C22-2W22E10C
Number:1
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 19:19:44
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W22E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4833$ $y=0.4162$ / $u'=0.2751$ $v'=0.5330$
Tc=2243K Dominant WL:Ld=585.4nm Purity=70.0% Centroid WL:622.0nm
Ratio:R=31.0% G=67.1% B=1.9% Peak WL:Lp=640.0nm HWL:134.4nm
Render Index:Ra=97.4
R1 =99 R2 =100 R3 =98 R4 =99 R5 =99 R6 =98 R7 =96
R8 =91 R9 =91 R10=97 R11=98 R12=90 R13=99 R14=98 R15=95

Photo Parameters:

Flux: 141.02 lm Fe: 0.67770 W Efficacy:70.07 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009558A P=2.034W PF=0.8809

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5894(R=4) %=-0.499%

Ip=45675(G=6,D=95)
PMT: 33.8 centigrade [37.2]

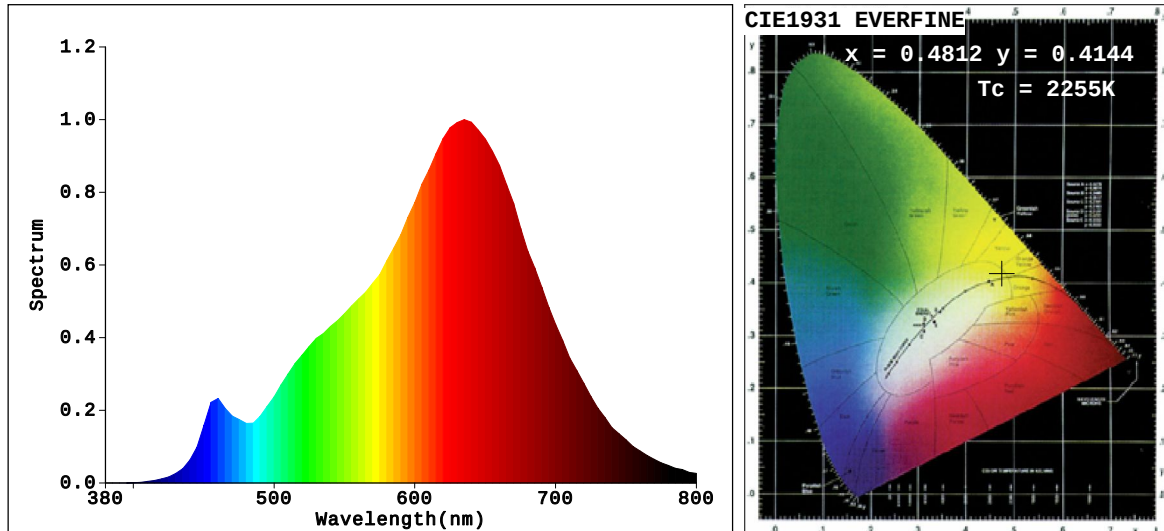
Product Type:ZL-C22-2W22E10C
Number:2
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 19:22:07
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W22E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4812$ $y=0.4144$ $u'=0.2746$ $v'=0.5320$
Tc=2255K Dominant WL:Ld=585.5nm Purity=68.8% Centroid WL:621.0nm
Ratio:R=31.0% G=67.0% B=2.0% Peak WL:Lp=635.0nm HWL:135.3nm
Render Index:Ra=97.4
R1 =99 R2 =100 R3 =99 R4 =99 R5 =99 R6 =97 R7 =95
R8 =91 R9 =92 R10=99 R11=98 R12=90 R13=100 R14=98 R15=96

Photo Parameters:

Flux: 148.06 lm Fe: 0.66728 W Efficacy:73.38 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009460A P=2.016W PF=0.8819

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5792(R=4) %=-0.403%

Ip=44732(G=6,D=97)
PMT: 33.9 centigrade [37.2]

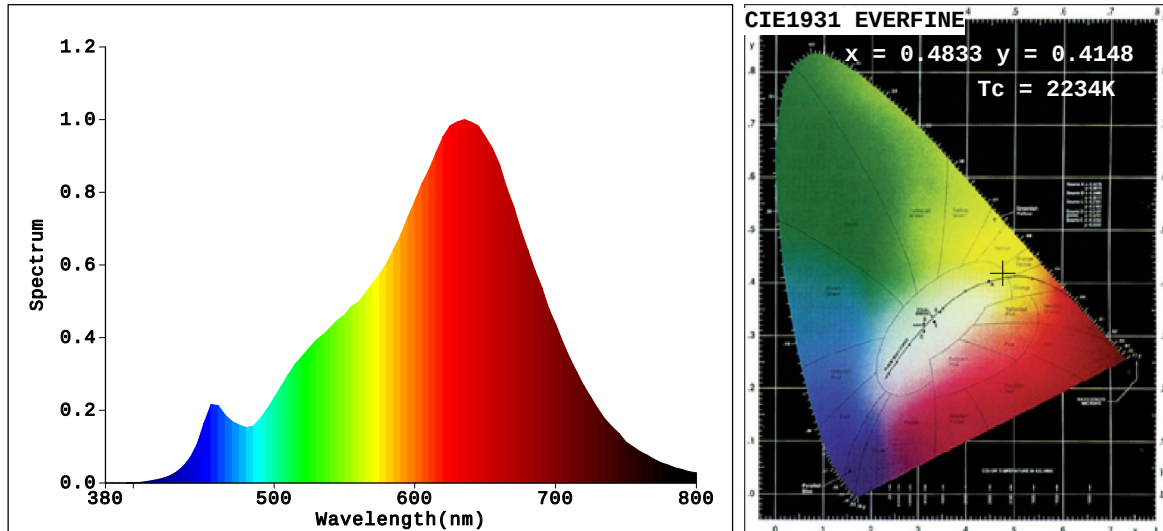
Product Type:ZL-C22-2W22E10C
Number:3
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 19:23:41
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W22E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4833$ $y=0.4148$ $u'=0.2757$ $v'=0.5325$
Tc=2234K Dominant WL:Ld=585.6nm Purity=69.6% Centroid WL:622.0nm
Ratio:R=31.2% G=66.9% B=1.9% Peak WL:Lp=635.0nm HWL:133.0nm
Render Index:Ra=97.4
R1 =99 R2 =100 R3 =99 R4 =99 R5 =99 R6 =97 R7 =95
R8 =91 R9 =81 R10=98 R11=97 R12=91 R13=100 R14=98 R15=95

Photo Parameters:

Flux: 143.17 lm Fe: 0.68697 W Efficacy:71.99 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009569A P=2.037W PF=0.8812

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5968(R=4) %=-0.323%

Ip=46352(G=6,D=96)
PMT: 33.4 centigrade [37.4]

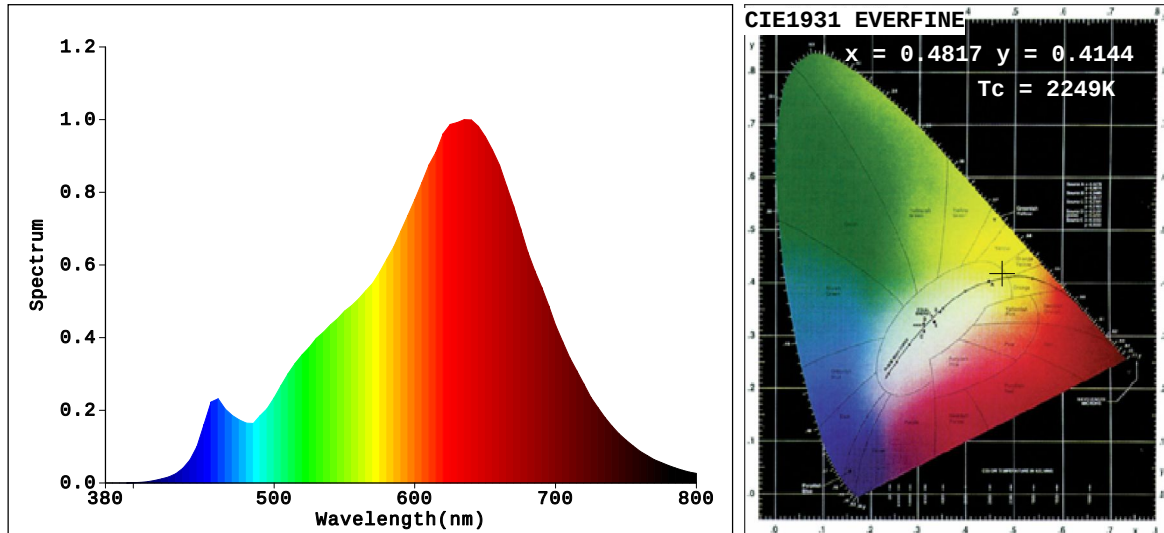
Product Type:ZL-C22-2W22E10C
Number:4
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:22:15
Instrument:PMS-80_V1 (SN:1009039)

Spectrophotocolorimeter Test Report

ZL-C22-2W22E10C

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4817$ $y=0.4144$ $u'=0.2749$ $v'=0.5321$
Tc=2249K Dominant WL:Ld=585.6nm Purity=69.0% Centroid WL:621.0nm
Ratio:R=31.0% G=67.0% B=2.0% Peak WL:Lp=635.0nm HWL:135.5nm
Render Index:Ra=97.3
R1 =99 R2 =100 R3 =99 R4 =99 R5 =99 R6 =97 R7 =95
R8 =91 R9 =90 R10=99 R11=98 R12=90 R13=100 R14=98 R15=95

Photo Parameters:

Flux: 147.85 lm Fe: 0.66455 W Efficacy:73.40 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.6V I=0.009447A P=2.013W PF=0.8818

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=5785(R=4) %=-0.387%

Ip=45110(G=6,D=98)
PMT: 33.8 centigrade [37.3]

Product Type:ZL-C22-2W22E10C
Number:5
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-04-21 20:23:41
Instrument:PMS-80_V1 (SN:1009039)