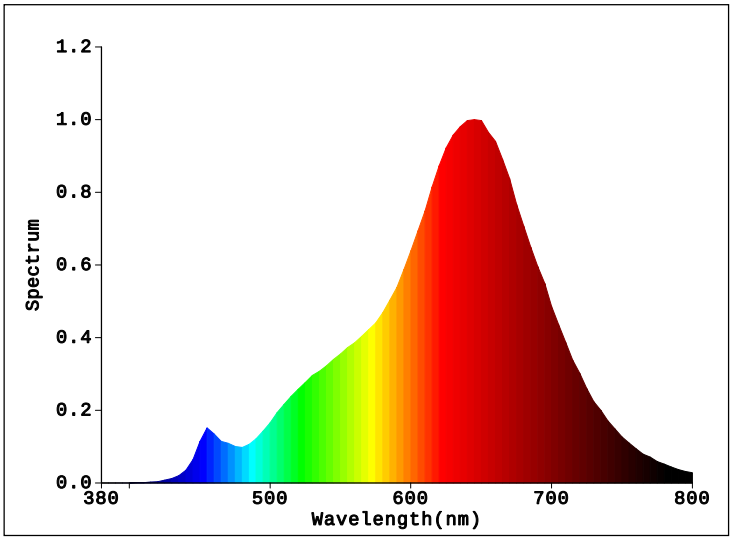
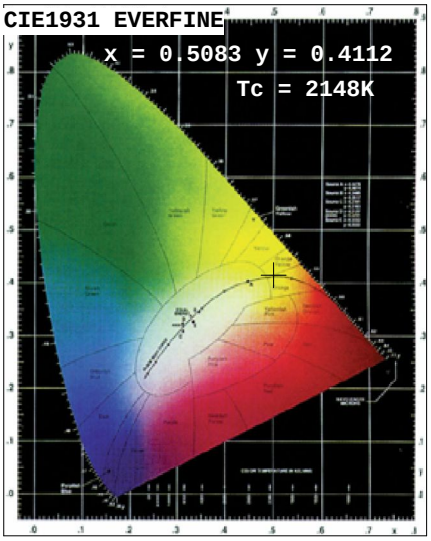
ZL-G45-4W22E27G

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.5083 y=0.4112/u'=0.2939 v'=0.5350
Tc=2148K Dominant WL:Ld=588.0nm Purity=76.0% Centroid WL:633.0nm
Ratio:R=35.3% G=63.2% B=1.6% Peak WL:Lp=645.0nm HWL:114.3nm
Render Index:Ra=95.8

R1 =95	R2 =97	R3 =97	R4 =94	R5 =94	R6 =92	R7 =98	
R8 =99	R9 =97	R10=95	R11=88	R12=90	R13=95	R14=97	R15=98

Photo Parameters:

Flux: 269.75 lm Fe: 1.0163 W Efficacy:65.53 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

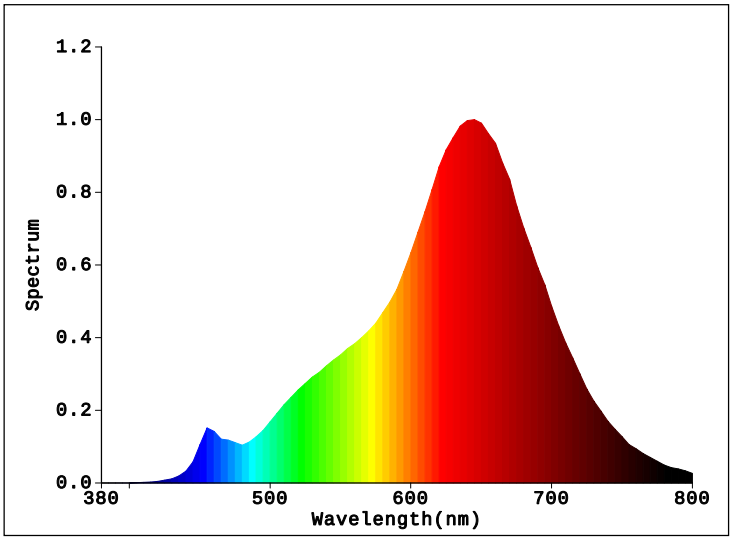
Luminaire: U=241.8V I=0.01800A P=4.128W PF=0.9485

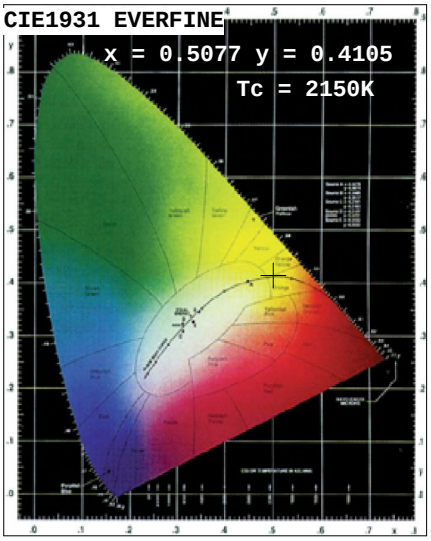
Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15352(G=5,D=73)
REF=7862(R=4) %=-0.257% PMT: 35.2 centigrade [40.9]

Product Type:ZL-G45-4W22E27G	Manufacturer:
Number:1	Test Department:
Temperature: deg	Humidity:%
Test Operator:	Test Date:2026-06-04 18:59:47
Software:V2.00.100	Instrument:PMS-80_V1 (SN:1009039)

ZL-G45-4W22E27G

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.5077 y=0.4105/u'=0.2938 v'=0.5346
Tc=2150K Dominant WL:Ld=588.1nm Purity=75.6% Centroid WL:633.0nm
Ratio:R=35.3% G=63.1% B=1.6% Peak WL:Lp=645.0nm HWL:113.6nm
Render Index:Ra=95.5

R1 =95	R2 =97	R3 =98	R4 =94	R5 =94	R6 =91	R7 =97	
R8 =99	R9 =98	R10=94	R11=88	R12=91	R13=94	R14=97	R15=98

Photo Parameters:

Flux: 271.97 lm Fe: 1.0286 W Efficacy:66.08 lm/W
LEVEL: WHITE:OUT

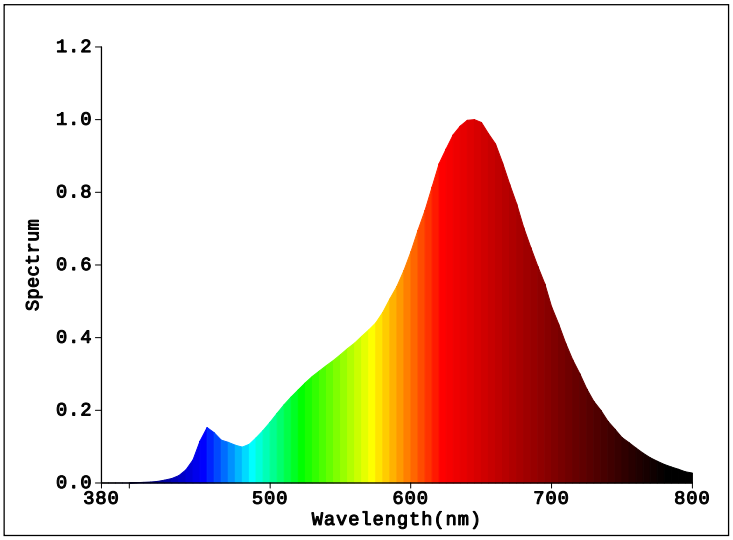
Electrical Parameters:

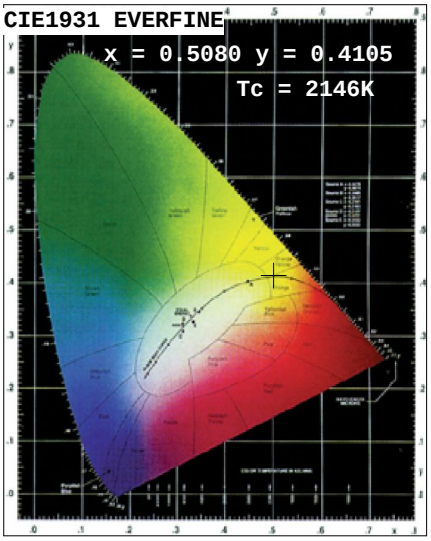
Luminaire: U=241.8V I=0.01803A P=4.134W PF=0.9484

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15490(G=5,D=73)
REF=7938(R=4) %=-0.191% PMT: 35.4 centigrade [40.7]

ZL-G45-4W22E27G

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.5080 y=0.4105/u'=0.2941 v'=0.5347
Tc=2146K Dominant WL:Ld=588.1nm Purity=75.7% Centroid WL:633.0nm
Ratio:R=35.3% G=63.1% B=1.6% Peak WL:Lp=645.0nm HWL:114.7nm
Render Index:Ra=95.7

R1 =95	R2 =97	R3 =98	R4 =94	R5 =94	R6 =92	R7 =97	
R8 =99	R9 =97	R10=95	R11=88	R12=87	R13=95	R14=97	R15=98

Photo Parameters:

Flux: 276.81 lm Fe: 1.0164 W Efficacy:66.69 lm/W
LEVEL: WHITE:OUT

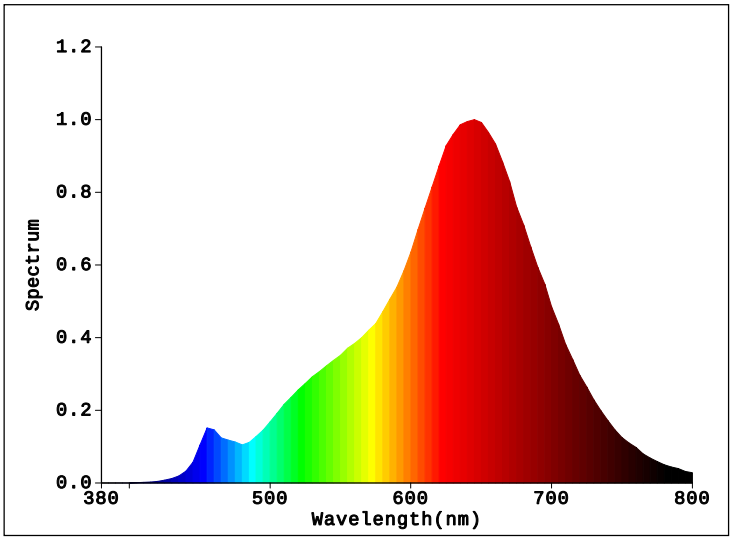
Electrical Parameters:

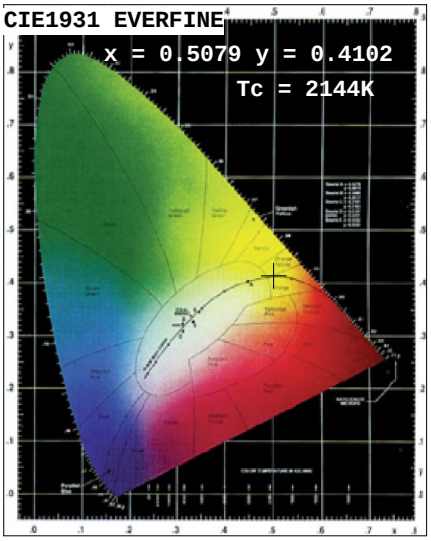
Luminaire: U=241.8V I=0.01807A P=4.147W PF=0.9491

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15375(G=5,D=73)
REF=7864(R=4) %=-0.321% PMT: 35.6 centigrade [40.8]

ZL-G45-4W22E27G

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.5079 y=0.4102/u'=0.2942 v'=0.5345
Tc=2144K Dominant WL:Ld=588.2nm Purity=75.6% Centroid WL:633.0nm
Ratio:R=35.4% G=63.0% B=1.6% Peak WL:Lp=645.0nm HWL:114.7nm
Render Index:Ra=95.6

R1 =95	R2 =96	R3 =98	R4 =94	R5 =94	R6 =91	R7 =97	
R8 =99	R9 =97	R10=94	R11=88	R12=92	R13=94	R14=97	R15=98

Photo Parameters:

Flux: 271.73 lm Fe: 1.0265 W Efficacy:66.05 lm/W
LEVEL: WHITE:OUT

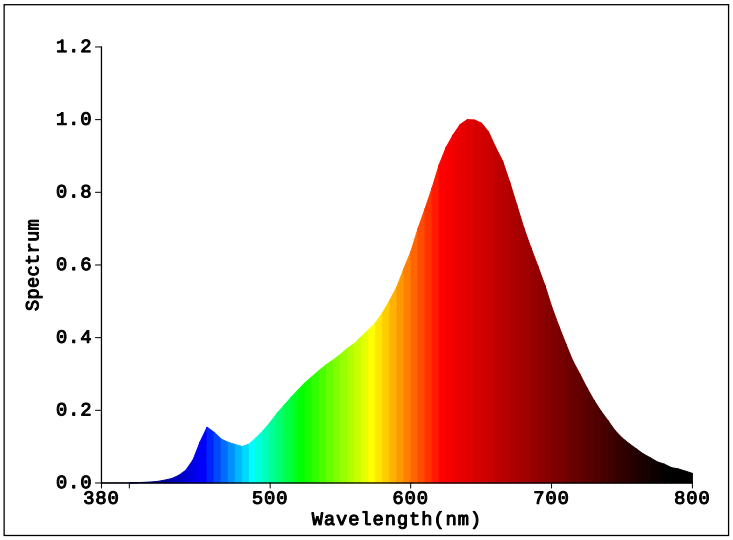
Electrical Parameters:

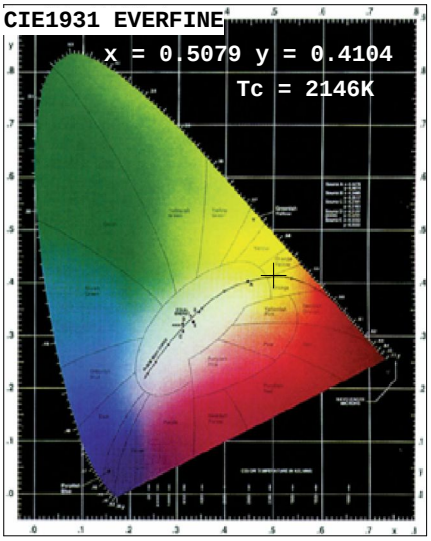
Luminaire: U=241.7V I=0.01808A P=4.147W PF=0.9489

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15627(G=5,D=73)
REF=7930(R=4) %=-0.484% PMT: 35.6 centigrade [40.8]

ZL-G45-4W22E27G

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.5079 y=0.4104/u'=0.2941 v'=0.5346
Tc=2146K Dominant WL:Ld=588.1nm Purity=75.7% Centroid WL:633.0nm
Ratio:R=35.3% G=63.1% B=1.6% Peak WL:Lp=640.0nm HWL:114.3nm
Render Index:Ra=95.7

R1 =95	R2 =97	R3 =98	R4 =94	R5 =94	R6 =92	R7 =98	
R8 =99	R9 =97	R10=95	R11=89	R12=91	R13=95	R14=97	R15=98

Photo Parameters:

Flux: 270.26 lm Fe: 1.0131 W Efficacy:65.24 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.7V I=0.01811A P=4.157W PF=0.9495

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15263(G=5,D=73)
REF=7845(R=4) %=-0.686% PMT: 35.7 centigrade [40.8]