

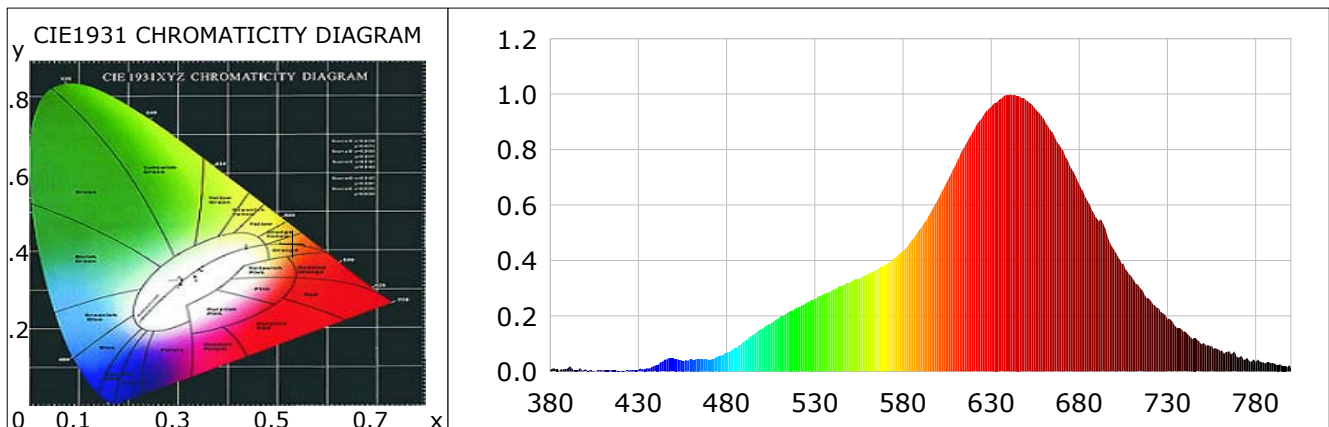
Lightsource Test Report

Product Information

Product Category: 24V 8W TW Downlight Product Type: BNL-SP08CW-D

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5316$ $y=0.4220$ $u(u')=0.3037$ $v=0.3617$ $v'=0.5425$
 CCT: $T_c=2013K$ ($duv=0.00272$) Color Ratio: $R=0.354$ $G=0.632$ $B=0.014$
 Peak Wavelength: 641nm Half Bandwidth: 107.2nm
 Dominant Wavelength: 588.0nm Color Purity: 0.863
 Color Render Index: $R_a=95.4$, $CRI=94.5$
 $R1=97$ $R2=98$ $R3=95$ $R4=92$ $R5=95$ $R6=93$ $R7=97$ $R8=96$
 $R9=89$ $R10=97$ $R11=86$ $R12=92$ $R13=96$ $R14=96$ $R15=98$



Photometric Parameters

Luminous Flux: 319.34 lm Efficiency: 76.47 lm/W Radiant Power: 1.408 W

Electric Parameters

Forward Voltage (VF): 24.00V Forward Current (IF): 174mA Power: 4.176W
 Reverse Voltage (VR): 0.0V Reverse Current (IR): 0.0000uA

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 42719 (5902) CCD Integration Time: 2157.57 ms

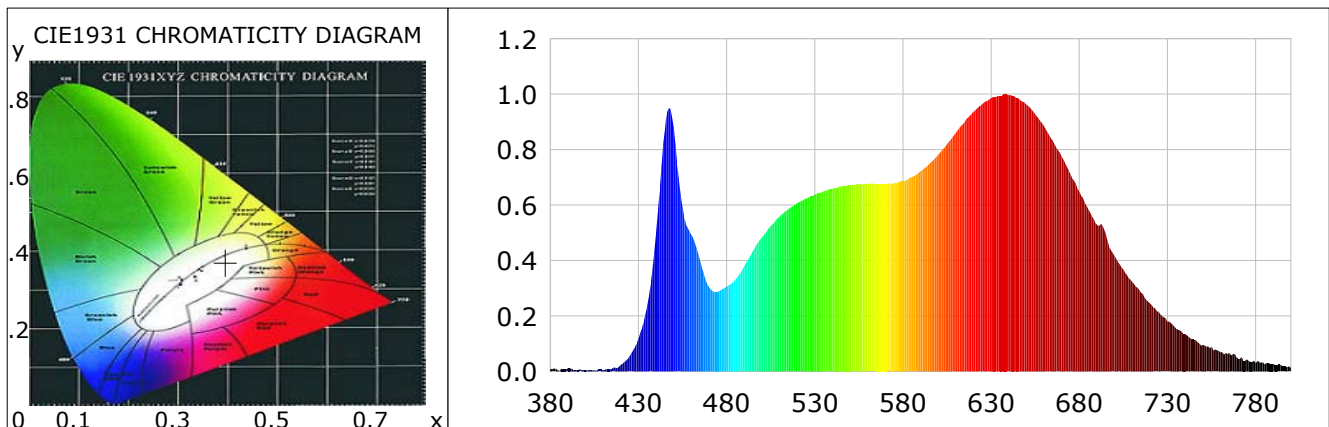
Lightsource Test Report

Product Information

Product Category: 24V 8W TW Downlight Product Type: BNL-SP08CW-D

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3958$ $y=0.3723$ $u(u')=0.2371$ $v=0.3346$ $v'=0.5019$
 CCT: $T_c=3565K$ ($duv=-0.00615$) Color Ratio: $R=0.231$ $G=0.730$ $B=0.039$
 Peak Wavelength: 637nm Half Bandwidth: 192.7nm
 Dominant Wavelength: 583.9nm Color Purity: 0.305
 Color Render Index: $R_a=94.1$, $CRI=92.5$
 $R1=93$ $R2=97$ $R3=93$ $R4=91$ $R5=94$ $R6=96$ $R7=96$ $R8=91$
 $R9=81$ $R10=97$ $R11=88$ $R12=89$ $R13=94$ $R14=95$ $R15=91$



Photometric Parameters

Luminous Flux: 820.64 lm Efficiency: 100.27 lm/W Radiant Power: 3.169 W

Electric Parameters

Forward Voltage (VF): 24.00V Forward Current (IF): 341mA Power: 8.184W
 Reverse Voltage (VR): 0.0V Reverse Current (IR): 0.0000uA

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 44322 (5702) CCD Integration Time: 1453.16 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2
 Test Time: 2026-05-27 16:22:21
 Inspector:

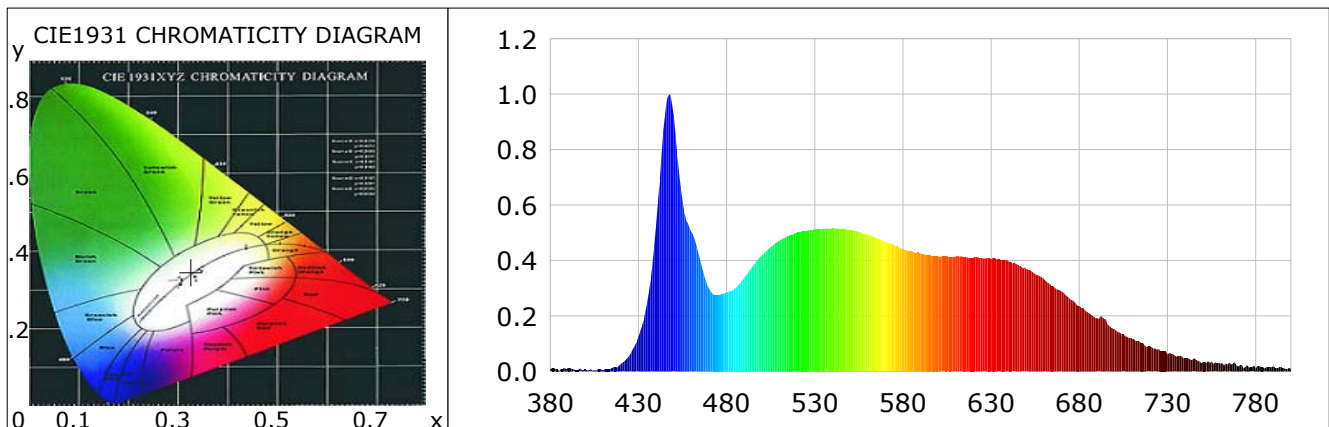
Lightsource Test Report

Product Information

Product Category: 24V 8W TW Downlight Product Type: BNL-SP08CW-D
Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3262$ $y=0.3472$ $u(u')=0.2003$ $v=0.3198$ $v'=0.4797$
CCT: $T_c=5774K$ ($duv=0.00594$) Color Ratio: $R=0.154$ $G=0.791$ $B=0.055$
Peak Wavelength: 448nm Half Bandwidth: 20.7nm
Dominant Wavelength: 520.2nm Color Purity: 0.028
Color Render Index: $R_a=91.3$, $CRI=88.7$
R1 =95 R2 =90 R3 =82 R4 =96 R5 =94 R6 =84 R7 =92 R8 =97
R9 =90 R10=74 R11=95 R12=62 R13=93 R14=90 R15=96



Photometric Parameters

Luminous Flux: 506.62 lm Efficiency: 124.91 lm/W Radiant Power: 1.789 W

Electric Parameters

Forward Voltage (VF): 24.00V Forward Current (IF): 169mA Power: 4.056W
Reverse Voltage (VR): 0.0V Reverse Current (IR): 0.0000uA

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 1.50m, 4π
Max of Signal: 42542 (5802) CCD Integration Time: 1453.16 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2026-05-27 16:23:37
Inspector: