



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : TIRA
Product No. : BLS2835-220V8W-IP65-10M-BF
Manufacturer : BLED

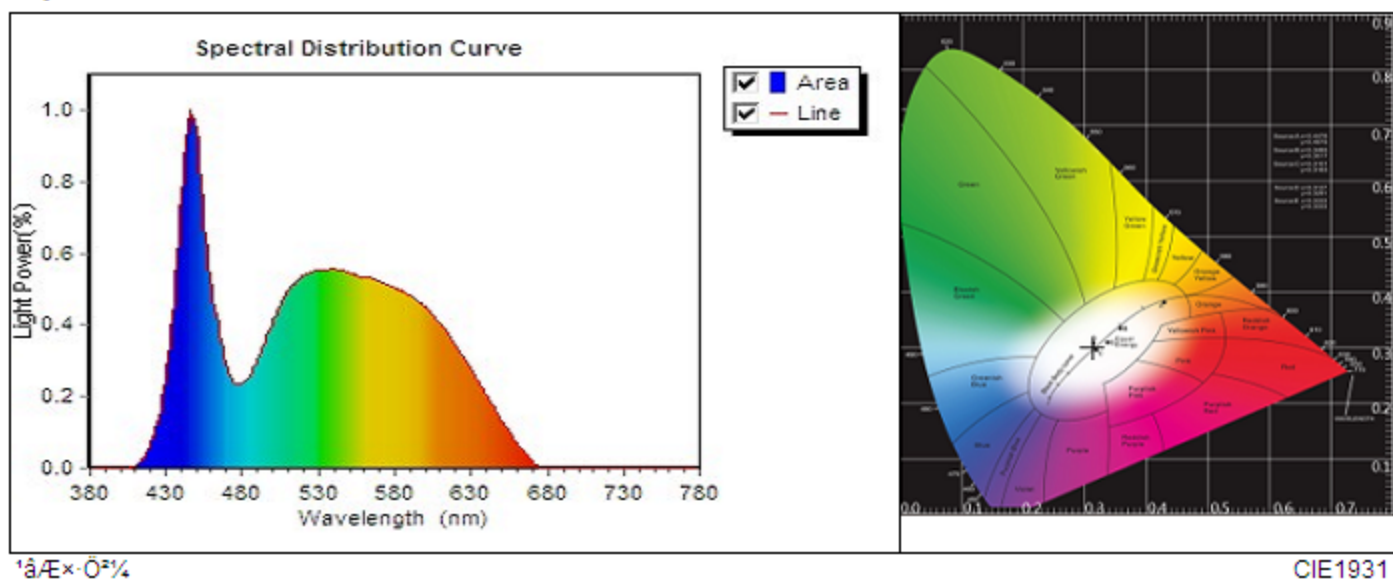
Test date. : 2025-05-13
Test equipment : SPEC2000A Spectrometer
Operator : SEBASTIAN

Test Condition

Temperature : 25.0Deg C
Test range : 380nm-780nm

Humidity : 65%
Peak AD. : 50623 (77.2%)
Integral time. : 46ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3081$ $y=0.3416$ $u=0.1901$ $v=0.3162$ ($duv=0.0118$)
Color temperature: $TC=6646$ K Color difference: $SDCM=6.9$ Main Wavelength: $\lambda_d=484.05$ nm Purity: $Purity=0.354$
Peak wavelength: $\lambda_p=446.7$ nm FWHM: $\Delta\lambda_p=24.2$ nm Color ratio: $R=13.14\%$ $G=82.26\%$ $B=4.60\%$

Color rendering index (Ra): $Ra=77.3$

$R1=73.1$ $R2=80.9$ $R3=88.6$ $R4=77.9$ $R5=75.7$ $R6=76.7$ $R7=84.8$ $R8=59.9$
 $R9=-32.7$ $R10=56.7$ $R11=77.3$ $R12=57.1$ $R13=75.9$ $R14=93.9$ $R15=64.8$

Optical Parameter

Luminous flux: 5231.519 lm luminous efficiency: 53.93 lm/w Radiant flux: 15.6366 W

Electrical Parameter

Voltage: 229.5 V Current: 0.467 A Watts: 97.00 W Power factor: 0.905

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Hangzhou Huipu Instrument Co., Ltd. <http://www.measurefine.com>