



BARCELONALED ILUMINACION S.L.
BRCELONALED, SPAIN
TEL:+34 93 241 80 81
www.barcelonaed.com

Spectral test report for lamp

Product type : LED MODULE
Product No. : BM1431RGBCCCT (B)
Manufacturer : BLED

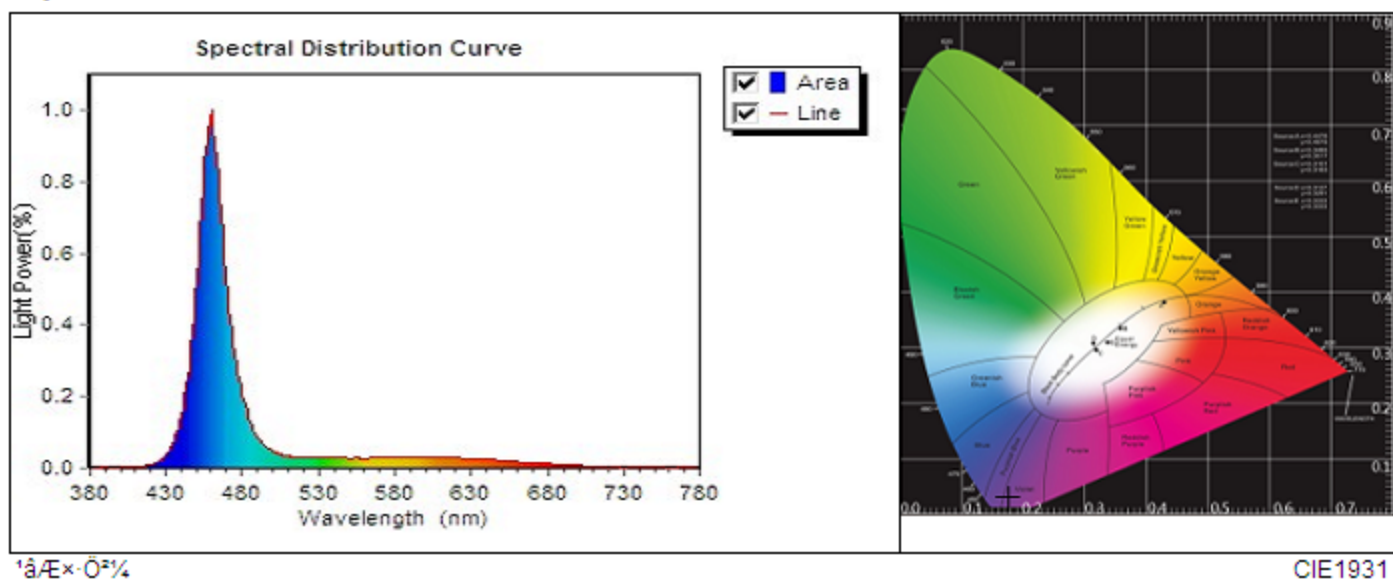
Test date. : 2024-08-08
Test equipment: SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 51639 (78.8%)
Integral time. : 70ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.1747$ $y=0.0917$ $u=0.1863$ $v=0.1467$ ($duv=-0.1255$)
Color temperature: $TC=100000$ K Color difference: $SDCM=99.8$ Main Wavelength: $\lambda_d=473.09$ nm Purity: $Purity=0.887$
Peak wavelength: $\lambda_p=459.4$ nm FWHM: $\Delta\lambda_p=20.5$ nm Color ratio: $R=11.84\%$ $G=50.46\%$ $B=37.71\%$

Color rendering index (Ra): $Ra=4.5$

$R1=79.1$ $R2=-13.8$ $R3=-97.3$ $R4=-16.6$ $R5=88.5$ $R6=-2.9$ $R7=-16.2$ $R8=14.5$
 $R9=93.4$ $R10=-181.0$ $R11=-16.9$ $R12=-36.0$ $R13=29.2$ $R14=0.5$ $R15=57.5$

Optical Parameter

Luminous flux: 6.663 lm Luminous efficiency: 21.36 lm/w Radiant flux: 0.0635 W

Electrical Parameter

Voltage: 12.0 V Current: 0.026 A Watto: 0.312 W Power factor: 1.000

MEASUREFINE

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