



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : LED MODULE
Product No. : BM1431RGB CCT (BF)
Manufacturer : BLED

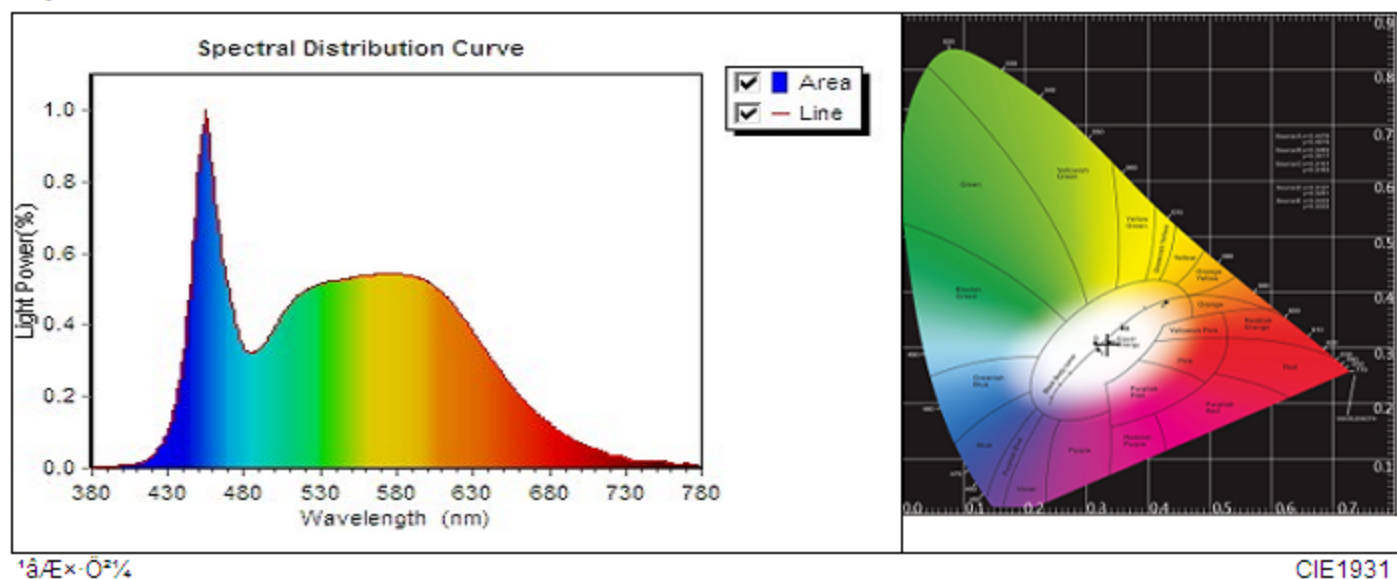
Test date. : 2024-08-08
Test equipment: SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 42459 (64.8%)
Integral time. : 178ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3297$ $y=0.3479$ $u=0.2024$ $v=0.3204$ ($duv=0.0047$)
Color temperature: $TC=5620$ K Color difference: $SDCM=3.1$ Main Wavelength: $\lambda_d=484.01$ nm Purity: $Purity=0.303$
Peak wavelength: $\lambda_p=454.6$ nm FWHM: $\Delta\lambda_p=25.8$ nm Color ratio: $R=16.22\%$ $G=78.57\%$ $B=5.21\%$

Color rendering index (Ra): $Ra=86.5$

$R1=85.4$ $R2=92.8$ $R3=95.4$ $R4=84.3$ $R5=85.3$ $R6=88.4$ $R7=88.2$ $R8=71.5$
 $R9=21.0$ $R10=81.8$ $R11=84.2$ $R12=64.8$ $R13=88.6$ $R14=98.0$ $R15=80.5$

Optical Parameter

Luminous flux: 25.162 lm Luminous efficiency: 69.89 lm/w Radiant flux: 0.0808 W

Electrical Parameter

Voltage: 12.0 V Current: 0.030 A Watto: 0.36 W Power factor: 1.000

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