



Spectral test report for lamp

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

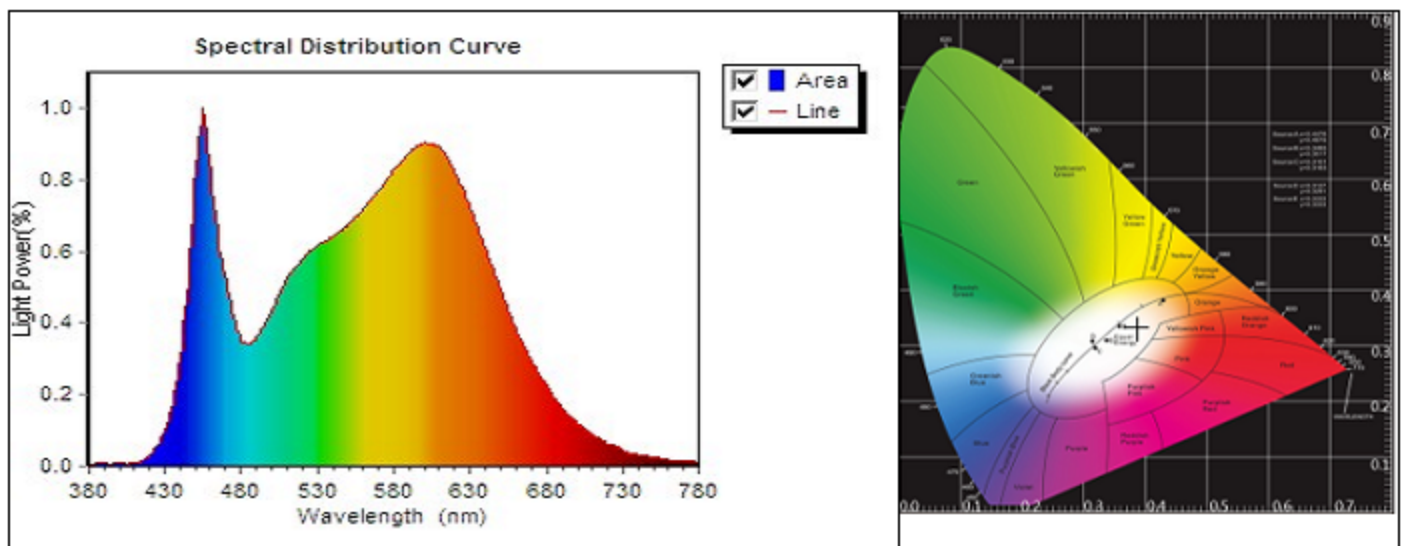
Test date. : 2024-08-08
Test equipment : SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 54293 (82.8%)
Integral time. : 178ms

Spectral Parameter



1â€¦x-0²%

CIE1931

CIE Color Parameter

Chromaticity coordinates: $x=0.3811$ $y=0.3711$ $u=0.2278$ $v=0.3328$ ($duv=-0.0028$)

Color temperature: $TC=3940$ K Color difference: $SDCM=5.0$ Main Wavelength: $\lambda_d=483.06$ nm Purity: $Purity=0.173$

Peak wavelength: $\lambda_p=454.9$ nm FWHM: $\lambda_p=26.4$ nm Color ratio: $R=21.13\%$ $G=74.99\%$ $B=3.88\%$

Color rendering index (Ra): $Ra=87.8$

$R1=88.2$ $R2=95.6$ $R3=96.0$ $R4=85.8$ $R5=87.8$ $R6=92.0$ $R7=86.1$ $R8=70.1$

$R9=28.5$ $R10=88.2$ $R11=86.1$ $R12=69.4$ $R13=91.2$ $R14=98.9$ $R15=83.0$

Optical Parameter

Luminous flux: 40.771 lm Luminous efficiency: 58.58 lm/w Radiant flux: 0.128 W

Electrical Parameter

Voltage: 12.0 V Current: 0.058 A Wate: 0.696 W Power factor: 1.000

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