



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : LED Tube
Product No. : B8409-3-90-OPBN
Manufacturer : BLED

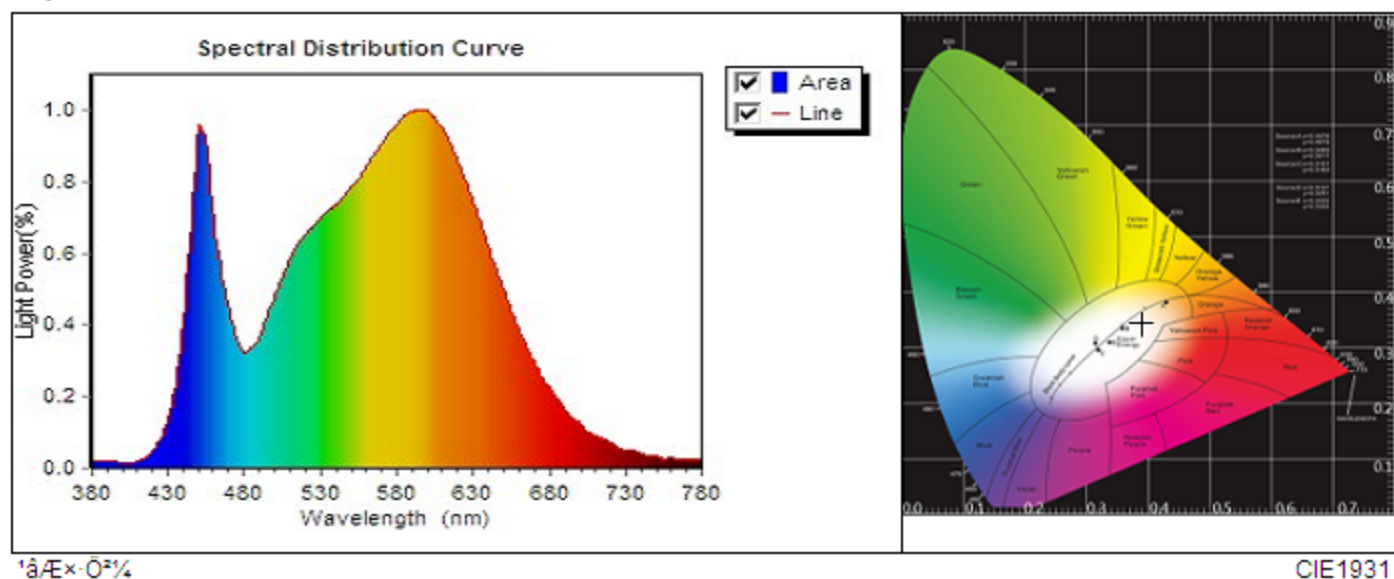
Test date. : 2024-07-22
Test equipment: SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 38869 (59.3%)
Integral time. : 140ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3837$ $y=0.3822$ $u=0.2251$ $v=0.3363$ ($duv=0.0016$)
Color temperature: $TC=3953$ K Color difference: $SDCM=1.8$ Main Wavelength: $\lambda_d=485.02$ nm Purity: $Purity=0.159$
Peak wavelength: $\lambda_p=596.3$ nm FWHM: $\Delta\lambda_p=148.1$ nm Color ratio: $R=19.92\%$ $G=76.70\%$ $B=3.38\%$

Color rendering index (Ra): $Ra=83.2$

$R1=81.2$ $R2=90.0$ $R3=96.0$ $R4=81.4$ $R5=81.4$ $R6=86.2$ $R7=85.5$ $R8=63.1$
 $R9=5.9$ $R10=76.4$ $R11=80.4$ $R12=63.2$ $R13=84.2$ $R14=98.2$ $R15=74.5$

Optical Parameter

Luminous flux: 1709.878 lm luminous efficiency: 127.6 lm/w Radiant flux: 5.1792 W

Electrical Parameter

Voltage: 230.4 V Current: 0.060 A Watts: 13.40 W Power factor: 0.955

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