



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : TIRALED
Product No. : BLS2835-48V12W-IP20-20M-CCT (BN) (8 CM)
Manufacturer : BLED

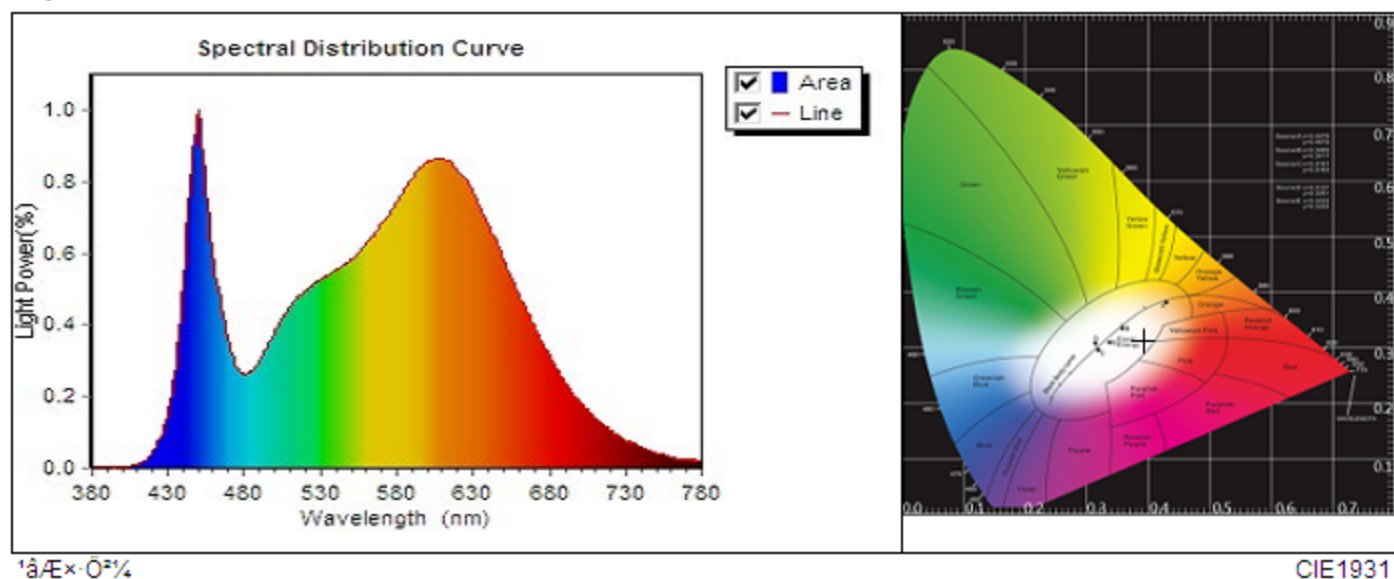
Test date. : 2024-05-06
Test equipment : SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 52032 (79.4%)
Integral time. : 26ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3871$ $y=0.3540$ $u=0.2392$ $v=0.3281$ ($duv=-0.0128$)
Color temperature: $TC=3622$ K Color difference: $SDCM=15.2$ Main Wavelength: $\lambda_d=478.04$ nm Purity: $Purity=0.177$
Peak wavelength: $\lambda_p=449.5$ nm FWHM: $\Delta\lambda_p=23.4$ nm Color ratio: $R=23.57\%$ $G=72.85\%$ $B=3.58\%$

Color rendering index (Ra): $Ra=91.6$

$R1=94.3$ $R2=96.6$ $R3=95.8$ $R4=91.2$ $R5=95.0$ $R6=92.7$ $R7=87.6$ $R8=79.5$
 $R9=55.4$ $R10=93.1$ $R11=91.9$ $R12=82.8$ $R13=95.4$ $R14=98.5$ $R15=92.5$

Optical Parameter

Luminous flux: 269.878 lm luminous efficiency: 104.04 lm/w Radiant flux: 0.9258 W

Electrical Parameter

Voltage: 48.0 V Current: 0.053 A Watto: 2.594 W Power factor: 1.000

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