



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

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

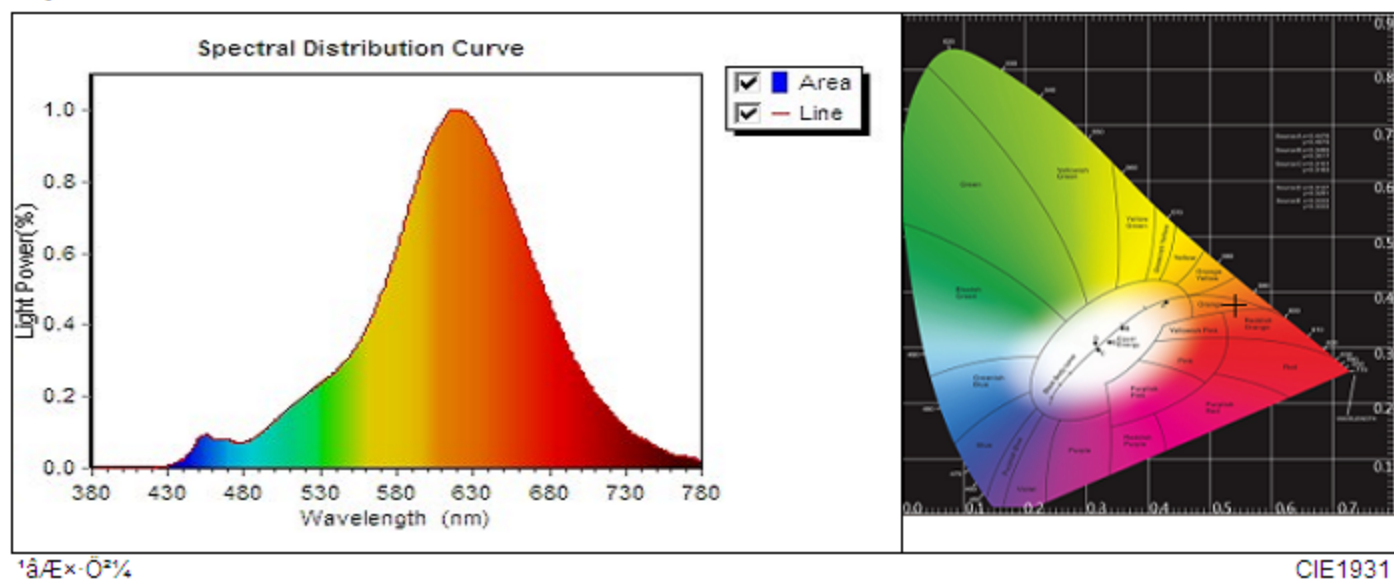
Test date. : 2024-05-06
Test equipment : SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

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

Humidity : 65%
Peak AD. : 44875 (68.5%)
Integral time. : 42ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.5334$ $y=0.4135$ $u=0.3094$ $v=0.3598$ ($duv=0.0004$)
Color temperature: $TC=1947$ K Color difference: $SDCM=48.6$ Main Wavelength: $\lambda_d=608$ nm Purity: $Purity=0.381$
Peak wavelength: $\lambda_p=618.3$ nm FWHM: $\Delta\lambda_p=105.9$ nm Color ratio: $R=36.80\%$ $G=62.13\%$ $B=1.07\%$

Color rendering index (Ra): $Ra=83.1$

$R1=82.3$ $R2=94.4$ $R3=91.4$ $R4=80.3$ $R5=83.2$ $R6=97.1$ $R7=78.9$ $R8=56.6$
 $R9=17.1$ $R10=89.2$ $R11=82.4$ $R12=90.3$ $R13=86.1$ $R14=96.3$ $R15=73.4$

Optical Parameter

Luminous flux: 108.248 lm Luminous efficiency: 86.74 lm/w Radiant flux: 0.3964 W

Electrical Parameter

Voltage: 48.0 V Current: 0.026 A Watte: 1.248 W Power factor: 1.000

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