



BARCELONALED ILUMINACION S.L.
BARCELONA, SPAIN
TEL:+34 93 241 80 81
www.barcelonaed.com

Spectral test report for lamp

Product type : TUBO
Product No. : BTL-T8120-BN
Manufacturer : BLED

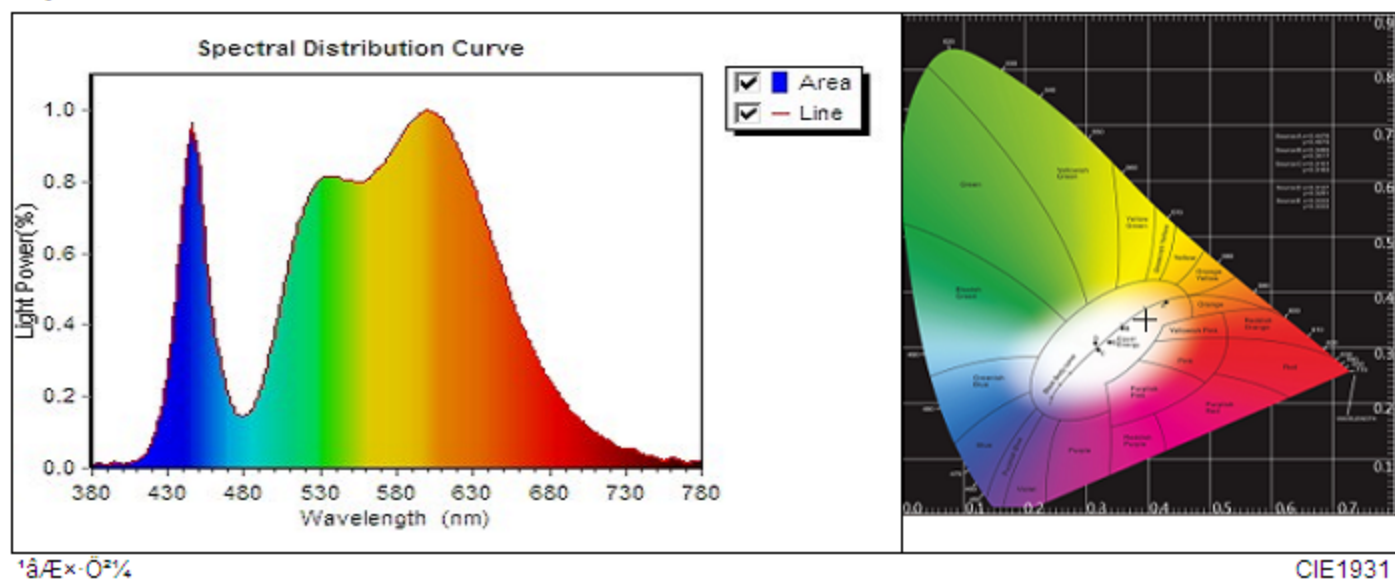
Test date. : 2025-05-28
Test equipment : SPEC2000A Spectrometer
Operator. :

Test Condition

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

Humidity : 65%
Peak AD. : 39528 (60.3%)
Integral time. : 147ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3900$ $y=0.3882$ $u=0.2268$ $v=0.3386$ ($duv=0.0026$)
Color temperature: $TC=3837$ K Color difference: $SDCM=4.7$ Main Wavelength: $\lambda_d=486.05$ nm Purity: $Purity=0.142$
Peak wavelength: $\lambda_p=600.5$ nm FWHM: $\Delta\lambda_p=147.3$ nm Color ratio: $R=20.56\%$ $G=77.26\%$ $B=2.18\%$

Color rendering index (Ra): $Ra=82.2$

$R1=82.6$ $R2=85.1$ $R3=87.4$ $R4=84.7$ $R5=81.8$ $R6=80.4$ $R7=86.6$ $R8=68.4$
 $R9=13.4$ $R10=64.6$ $R11=85.4$ $R12=59.6$ $R13=83.5$ $R14=92.5$ $R15=75.9$

Optical Parameter

Luminous flux: 2435.051 lm luminous efficiency: 130.22 lm/w Radiant flux: 5.4233 W

Electrical Parameter

Voltage: 230.2 V Current: 0.141 A Watts: 18.70 W Power factor: 0.574

MEASUREFINE

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