



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : TIRA
Product No. : B1546-IP20_B
Manufacturer : BLED

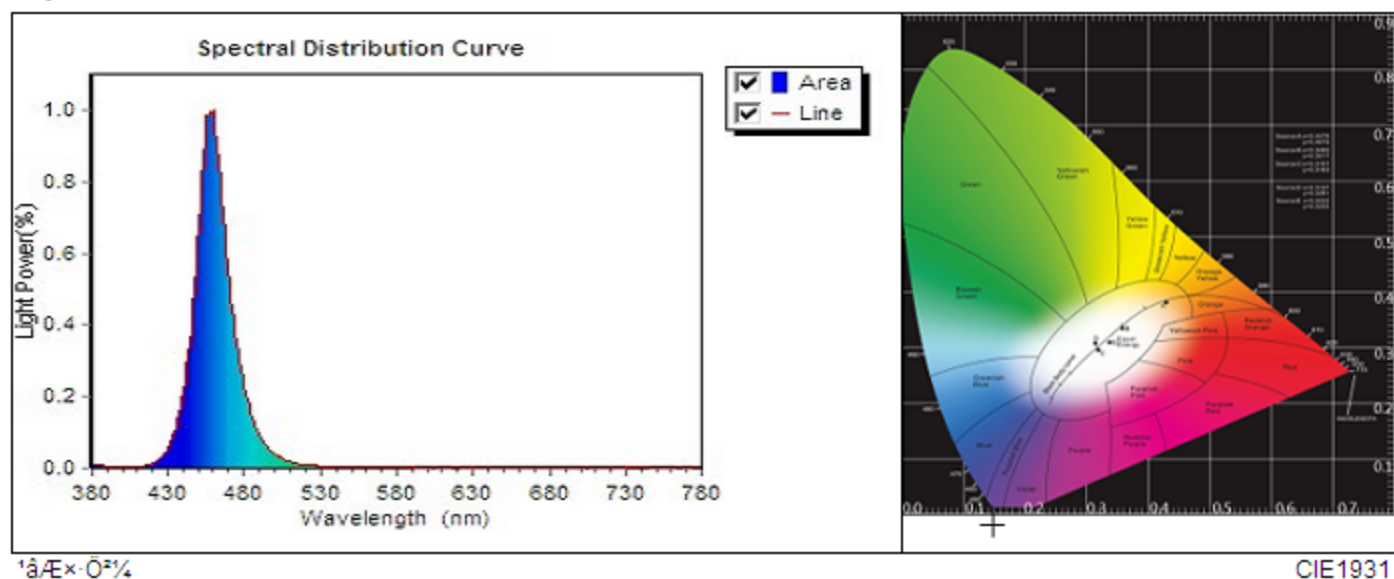
Test date. : 2019-06-07
Test equipment: SPEC2000A Spectrometer
Operator. : BLED

Test Condition

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

Humidity : 65%
Peak AD. : 57211 (87.3%)
Integral time. : 43ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.1453$ $y=0.0471$ $u=0.1775$ $v=0.0863$ ($duv=-0.1860$)
Color temperature: $TC=100000$ K Color difference: $SDCM=116.8$ Main Wavelength: $\lambda_d=472.05$ nm Purity: $Purity=0.995$
Peak wavelength: $\lambda_p=457.8$ nm FWHM: $\Delta\lambda_p=22.9$ nm Color ratio: $R=1.75\%$ $G=20.85\%$ $B=77.40\%$

Color rendering index (Ra): $Ra=-44.9$

$R1=5.9$ $R2=-33.8$ $R3=-142.8$ $R4=-85.2$ $R5=18.9$ $R6=-40.8$ $R7=-47.0$ $R8=-35.2$
 $R9=-215.8$ $R10=-206.8$ $R11=-110.7$ $R12=-87.4$ $R13=-12.5$ $R14=-30.2$ $R15=16.8$

Optical Parameter

Luminous flux: 5.484 lm luminous efficiency: 12.35 lm/w Radiant flux: 0.0959 W

Electrical Parameter

Voltage: 12.0 V Current: 0.037 A Watto: 0.444 W Power factor: 1.000

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