



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

## Spectral test report for lamp

Product type : DOWNLIGHT  
Product No. : B1230-B-18W-BC  
Manufacturer : BLED

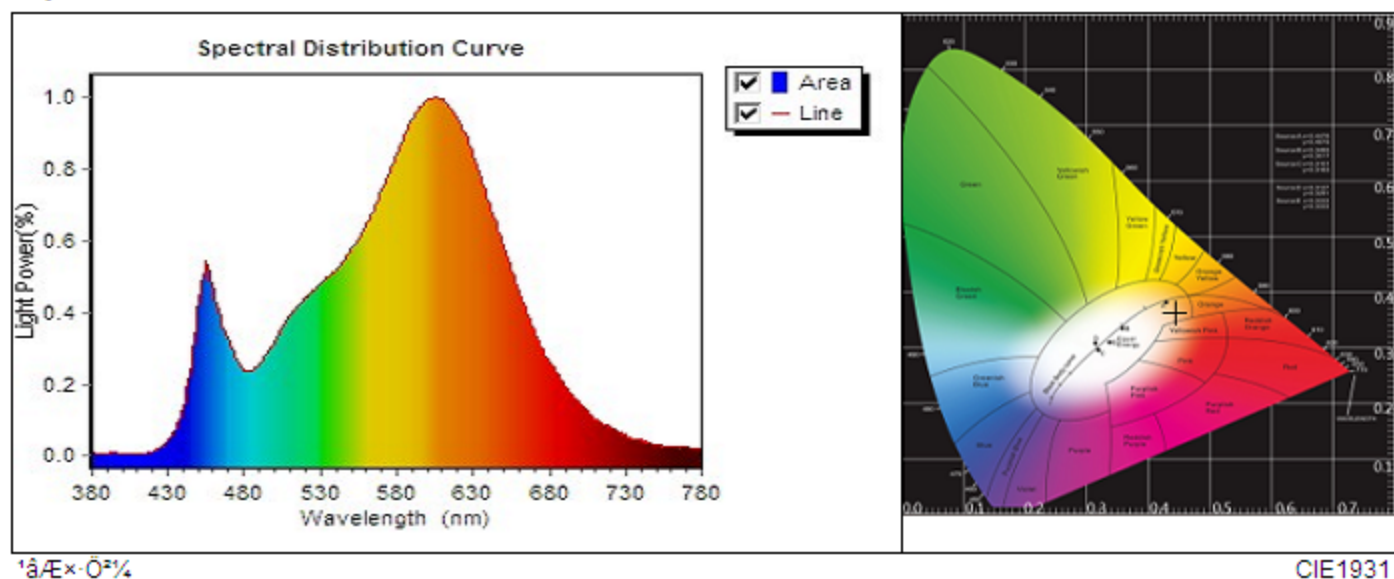
Test date. : 2021-03-12  
Test equipment: SPEC2000A Spectrometer  
Operator. : BLED

## Test Condition

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

Humidity : 65%  
Peak AD. : 50125 (76.5%)  
Integral time. : 150ms

## Spectral Parameter



## CIE Color Parameter

Chromaticity coordinates:  $x=0.4378$   $y=0.4005$   $u=0.2527$   $v=0.3467$  ( $duv=-0.0016$ )  
Color temperature:  $TC=2955$  K Color difference:  $SDCM=1.2$  Main Wavelength:  $\lambda_d=481.09$  nm Purity:  $Purity=0.027$   
Peak wavelength:  $\lambda_p=606.5$  nm FWHM:  $\Delta\lambda_p=122.2$  nm Color ratio:  $R=25.45\%$   $G=71.89\%$   $B=2.66\%$

Color rendering index (Ra):  $Ra=84.1$

$R1=83.9$   $R2=94.6$   $R3=93.3$   $R4=81.5$   $R5=84.4$   $R6=93.7$   $R7=81.2$   $R8=59.7$   
 $R9=12.6$   $R10=87.6$   $R11=81.6$   $R12=76.0$   $R13=87.6$   $R14=97.1$   $R15=76.1$

## Optical Parameter

Luminous flux: 1785.664 lm luminous efficiency: 94.98 lm/w Radiant flux: 5.5104 W

## Electrical Parameter

Voltage: 230.2 V Current: 0.139 A Watts: 18.80 W Power factor: 0.586

MEASUREFINE

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