

## Broadband Light Source C-band BLS OFB-BCB Series

The LiComm OFB-BCB series are an incoherent light Source with flattened output spectrum for single-mode component test and subsystem characterization in C-band communication window. The BLS has high output power, which is ten thousand times stronger than a white light source, very wide wavelength range, and excellent stability. It is an ideal source to test the spectral characteristics of any DWDM applications passive components such as Fiber Bragg Gratings, MUX/DEMUX, isolator, filters, couplers etc...The OFB-BCB series offer the significant reducing of measurement time and cost and it can improve the component quality and performance. The GUI program and RS232 communication are available to control and monitor of the BLS status.

### Features

- High output power
- Stable spectral output power
- Wide wavelength range (C-band)
- Isolated output
- Communication by RS232
- Easy operating and compact
- Flattened output spectrum

### Applications

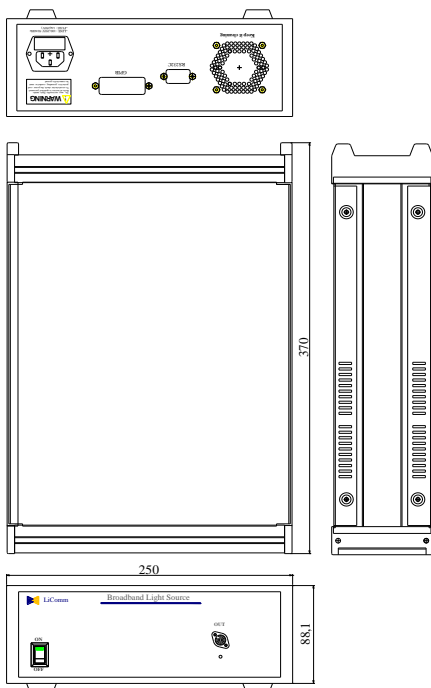
- DWDM components spectral test
- Optical components test
- Optical fiber characterization
- System compliance test
- Optical measurement system
- Optical sensors



## Broadband Light Source

# C-band BLS

### Mechanical Dimension (250 X 370 X 88 mm)



### Optical Characteristics

Parameter	Symbol	OFB-BCB-12AP	Unit
Wavelength range (@-10 dBm/nm)	$\lambda$	1528 ~ 1563	nm
Total output power	$P_{OUT}$	12	dBm
Output power stability <sup>(1)</sup>	PS	0.02	dB
Spectral power stability <sup>(2)</sup>	SS	0.2	dB
Spectrum flatness <sup>(3)</sup>	SF	2	dB
Output isolation	ISO	30	dB

(1) @23 °C ± 3 °C, after 1hour warming up

(2) @23 °C ± 3 °C, after 1hour warming up

(3) @Output : 12 dBm, Wavelength Range : 1529 ~ 1563 nm

### Electric & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	AC 110 ~ 220 V
Interface	RS232
Operating temperature	10 ~ 40 °C
Storage temperature	- 40 ~ 85 °C
Storage humidity	0 ~ 95 % R.H
Power consumption	10 W

\*Output power = 12 dBm, at 25 °C

### Ordering Information

OFB - BCB - XX<sub>1</sub>AP

XX<sub>1</sub> : Output Power (dBm)

### LiComm Co., Ltd.

#### Address

109, Baekja-ro Idong-myeon, Cheoin-gu, Yongin-Si,  
Gyeonggi-Do, 17126, Korea

Tel: +82-31-323-1926,1936 Fax: +82-31-323-2447

E-mail: sale@licomm.com Website : www.licomm.com