

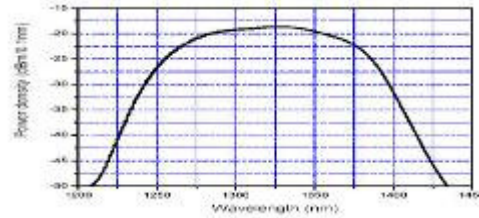
# BROADBAND LIGHT SOURCE

## BLS – SERIES (Benchtop Design)

Comply with Telcordia Standard GR-1312-CORE

PHOTONIK<sup>hv</sup>

PHOTONIK SPECTRUM  
WORLD

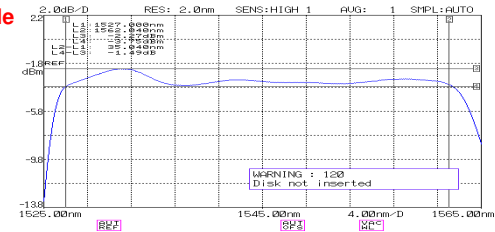


Spectrum Example  
@1310nm band  
(Combined SLED)

### APPLICATIONS:

- Optical fiber gyro or fiber sensor systems
- Fiber grating or DWDM filter testing
- R & D environment, or laboratory - experimental or educational use
- Testing environment for passive fiberoptic components or equipments

Spectrum Example  
@C + L band  
(Gain Flattened)



### GENERAL SPECIFICATIONS:

PARAMETER	UNIT	MIN	TYPICAL	MAX
Center Wavelength	nm	1200, 1250, 1300, 1400, 1450, 1480, 1550, 1590.....		
Emission Source Type			LED, SLD, SLED, ASE	
Optical Output Power	dBm	-10, -5, 0, 1, 2, 5, 8, 10, 12, 14, 16, 18, 20, 22		
Bandwidth(@-3dB)	nm	30, 40, 50, 60, 70, 80, 90, 100, 120, 150, 200, 300		
Spectrum Flatness(for ASE)	dB		± 0.6dB (after GFF for ASE)	
Power Stability	dB		± 0.005(5 min), ± 0.02(8 hrs)	
Spectral Ripple	dB			0.15
Return Loss	dB	40		
Power Tuning Mode			Fixed (unless special requested)	
Operation Temperature	°C	- 5		65
Operation Humidity	%	5		95
Storage Temperature	°C	- 20		70
Power Requirement	V(AC)	100	220 (50 ~ 60 Hz)	240
Power Consumption	W	8	16	25
Connector Type			FP: FC/UPC; FA: FC/APC; SP: SC/UPC; SA: SC/APC; or upon special request	

**Warranty:** 12 months standard for electronics. All products are guaranteed to be free from defects in materials and workmanship for a period of one year from date of purchase. Photonik reserves the right to repair or replace defective products at our option. This warranty does not apply to failure of the product due to misuse, abuse, accident, or neglect. Our liability is limited to the price of the part or service we are providing.

*Photonik reserves the rights to change product designs and specifications at any time without notice.*

### PART NUMBER DEFINITION:

#### BLS-①/②/③/④/⑤

- ①→Center Wavelength: 1200, 1250, 1300, 1400, 1450, 1480, 1550, 1590.....
- ②→Emission Source Type: LED, SLD, SLED, ASE
- ③→Optical Output Power: -10, -5, 0, 1, 2, 5, 8, 10, 12, 14, 16, 18, 20, 22
- ④→Bandwidth(@-3dB): 30, 40, 50, 60, 70, 80, 90, 100, 120, 150, 200, 300
- ⑤→Connector Type: FP, FA, SP, SA, or others per request

**Example:** BLS-1550/SLED/-5/60/SA for Center Wavelength of 1550nm, Emission Source Type of SLED, Optical Output Power of -5dBm, Bandwidth of 60nm and Connector Type of SC/APC.

### Contact Information:

PHOTONIK (SINGAPORE) PTE LTD

8 Boon Lay Way, TradeHub 21, #04-04, Singapore 609964  
Tel: +65-6316-6370, +65-6316-2142 Fax: +65-6316-1082  
Email: sales@photonik.com.sg Web: www.photonik.com.sg

### Local Representative:

