

## Features

- \* All-fiber technology
- \* Wide wavelength range
- \* High optical output power
- \* Excellently stable and reliable
- \* Customized requirements

## Applications

- \* Optical components testing
- \* Optical fiber characterization
- \* Optical measurement system
- \* Fiber optic sensing

## Description

**GIP Technology** L-band ASE Broadband Light Source unit (LIS-LASE-00-00-U). It provides a stable optical output in the wavelength range that covers L-band. Based on proprietary all-fiber technology, they have been designed as a robust, compact, and reliable laser sources with actively air-cooled and maintenance-free

operation. This module is useful in applications for DWDM systems, sensor systems, and components characterization.



The bench-top package size serves the area size, can be used in the components or sub-assembly manufacturing as well as research and development (R&D) environments.



### GIP Technology Corporation

6F., No. 112, Xinmin St., Zhonghe Dist.,  
New Taipei City 235, Taiwan (R.O.C.)  
T:+886-2-8226-7855 [www.giptek.com](http://www.giptek.com)  
F:+886-2-8226-7955 [sales@giptek.com](mailto:sales@giptek.com)

## Specifications

Optical Information		Unit	Description		
Operating wavelength		nm	1570~1605		
Total output power	Min.	mW	20	40	100
Power density	Min.	dBm/nm	-9	-6	-2
Output power short-term stability * 1	Max.	dB	± 0.005		
Output power long-term stability * 2	Max.	dB	± 0.02		
Return loss	Min.	dB	45		
Fiber type			SMF-28 with 900µm tube		
Fiber pigtail length	Typ.	M	1.0		
Connector			SC or FC		
Electrical Information					
Operating voltage		VDC	-48VDC or 100~240 VAC		
Control interface			RS232		
Environmental Information					
Ambient temperature		°C	0 ~ 45		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Mechanical Information					
Dimension		mm	19" and 23" 1-RU rack, or Bench-Top		

\*1. Measured at 25°C, 5 minutes after 30 minutes warm up

\*2. Measured at 25°C, 8 hours after 30 minutes warm up