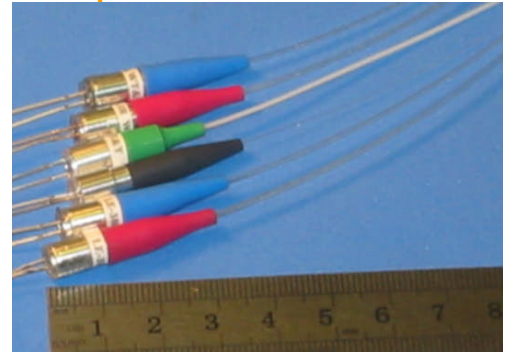


Model: LE-3x. Compact multi-mode fiber coupled LED

Key features:

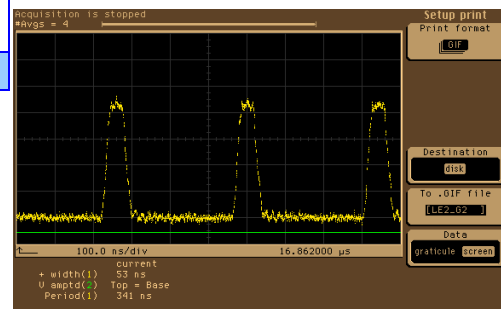
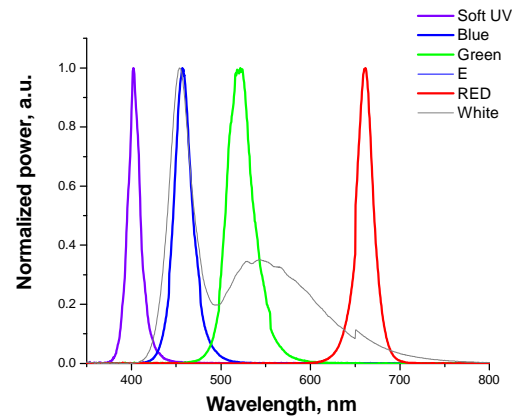
- Multi-mode fiber coupled
- Can be directly modulated
- Compact coaxial package
- Good power and spectral stability
- Robust design, good reliability



LE-3x is a compact, multi-mode fiber-coupled LED source, operating within visible spectra wavelengths, designed for different laboratory and industrial applications such as optical sensing, O/E components testing, communication, inspection. Fiber-coupled output has typical optical power of ~1 mW. LED can be directly modulated (analog/digital) up to 50 MHz. Device requires an external driver*.

Description	Min	Typical	Max	Unit
Operating wavelength	Visible , "white"			
Spectral width (BW @ 3dB)	15	34	38	nm
Output power	0.1	0.5	1**	mW
Modulation bandwidth (@3 dB)	10	50	100	MHz
Dimensions	35 x Ø6			mm
Output power stability	0.01	0.05	0.1	dB
Operating current	20	40	55	mA
Connector type	N.C; capillary joint; FC/PC; SMA905			
Fiber type	Multimode fiber POF980; length: ~0.45-0.6 m; (600-50 um core - optional)			
Operating temperature	0	25	45	°C

Model	Central wavelength, nm
LE-3UV	398-406
LE-3B	450-468
LE-3G	515-535
LE3G1	550-565
LE-3R	640-660
LE-3W	"white"



Typical modulation trace of digitally-modulated LE3-R source

* Please contact WT&T for available drivers
 ** higher power devices can be manufactured on request

Optional components:

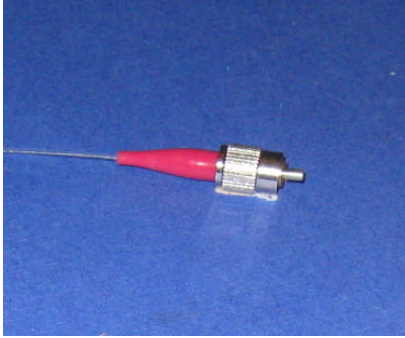
- Fiber U-bench
- External current driver
- Extension fiber patch-cods
- Optical fiber collimator

Please contact WT&T sales@wttechnology.com for further details.

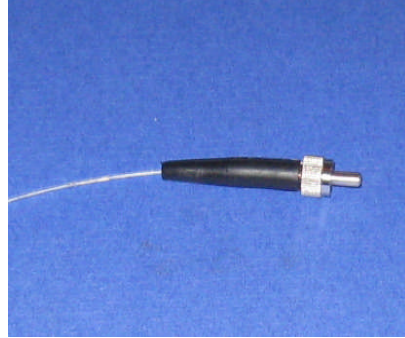
ALL INFORMATION IS PRELIMINARY AND SUBJECT TO CHANGE WITHOUT NOTICE. PRODUCT MAY VARY FROM PHOTOGRAPH.

Fiber pigtail terminations (for POF 980/1000 um fiber):

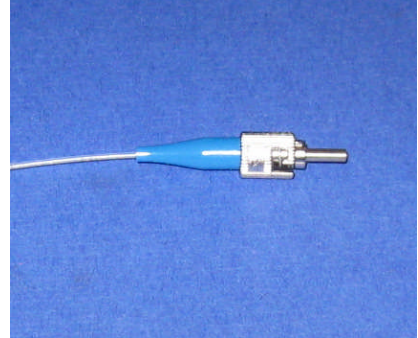
FC/PC optical connector



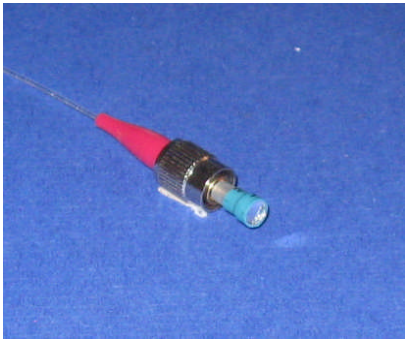
SMA 905 optical connector



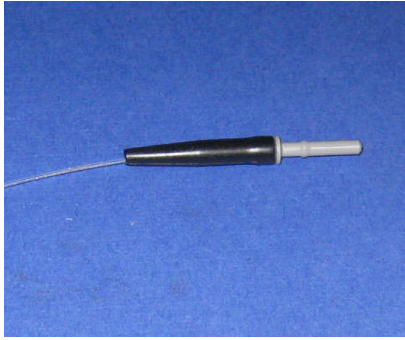
ST optical connector



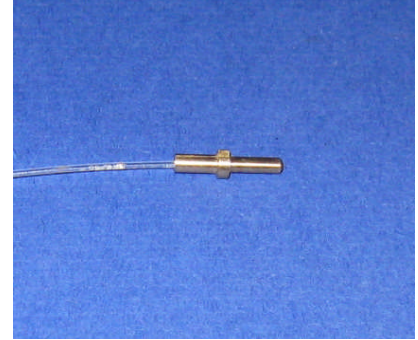
FC/PC with 011-TU2 collimator



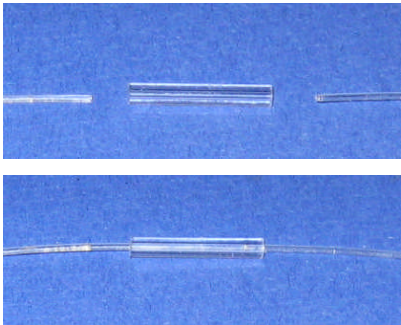
Versalink optical connector



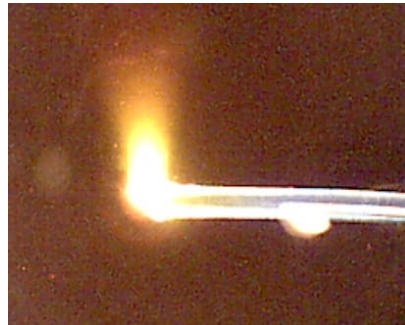
2.5 mm ferrule



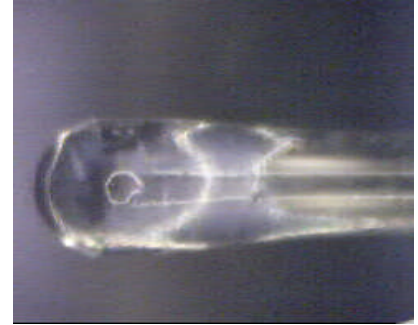
Flat polished & capillary joint



45 Deg. polished with reflector



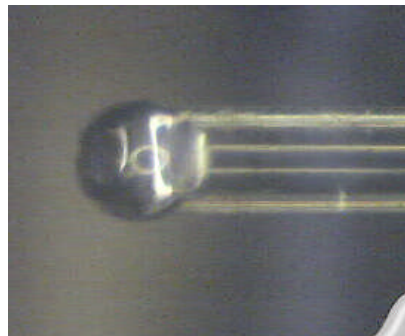
Hemispherical lensed



Cone lensed



Ball lensed



Tapered with micro-lens

