

# Combiner

## High Power Laser Combiners

Lightel's combiners are available with modified packaging to combine several solid state or fiber lasers into a multimode transmission fiber to achieve a laser power output in the range of several kilowatts to 10 kilowatts. This laser combiner features high coupling efficiency and power handling and is available in custom configurations and beam profiles.

### Features

- High Coupling Efficiency
- Modified Packaging for High Power Handling
- Stable and Reliable
- Custom Beam Profiles
- Custom Configurations Available

### Applications

- High Power Fiber Lasers
- Industry Laser Processing








### ⊕ Specifications

Parameter	Specification
Port Configuration	3x1, 4x1 or 6x1
Laser Wavelength	1030 nm ~ 1080 nm
Laser Transmission Efficiency <sup>1</sup>	> 95%
Total Power Handling	3,000 W, 5,000 W or 10,000 W
Pigtail	Standard 1 m or custom
Operating Temperature	0 ~ 75°C
Storage Temperature	-40 ~ 85°C

*\*Values are referenced without connectors. Other package dimensions and optical performances available by request.  
Note 1: Fiber size and type dependent.*

### ⊕ Ordering Information

<u>H</u> <u>P</u> <u>C</u>	-	-	-	-	-	-
						
	<b>Port Configuration</b>	<b>Input Fiber</b>	<b>Output Fiber</b>	<b>Package Size</b>	<b>Special Code</b>	
	3: 3x1 4: 4x1 6: 6x1	49: LMA-GDF-20/400-M 99: Passive-45/360	97: BD-5100/120/360-STN 98: Passive-100/360	X: 100 x 15 x 10 mm		

*Note: These are our most popular configurations. Contact Lightel Sales for custom port counts or alternative fibers.*