



High-power fiber collimator

Robust. Athermal. Configurable



IamPhotonics

FC1030 series



Kilowatt-class
power handling

High LIDT
optics

Industrial-grade
design



Air or liquid
cooled

Back reflection
suppression

FC1030 specifications



OPTICAL SPECIFICATIONS

Wavelength* (nm)	1530 to 1565 1030 to 1090 510 to 540
Output clear aperture* (mm)	45
Max. Average power CW (kW)	3
Max. Peak power (kW)	12
Effective focal lengths* (mm)	50, 100, 150, 250

MECHANICAL PROPERTIES

Housing material	Low thermal expansion grade stainless steel
Fiber interface*	QBH
Max. input fiber NA*	0.12 to 0.22
Mounting*	Primary: Mounting flange (M6x1.0 holes x6) Secondary: central mounting (ref. drawing) (M6 x 1.00 2x 3 points @ 90°)
Dimensions	<i>see drawing</i>
Weight (kg)	5,2

THERMAL PROPERTIES

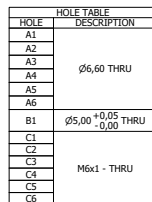
Focal shift (%)	$(\Delta EFL/EFL)/10^{\circ}C < 0.025$
Cooling type*	Air cooled Liquid cooled on demand

COMPLIANCE INFORMATION

RoHS Directives	2011/65/EU and 2015/863/EU
REACH	Directive EC no 1907/2006

*Custom configurations available:

- Alternative wavelengths and coatings
- Custom focal lengths
- Customized mounting options





 iamphotonics.com

 sales@iamphotonics.com