LMM-RGB3 Combined Triple-Wavelength Laser System

Series Specifications:

<table>
<thead>
<tr>
<th>Nominal Wavelength</th>
<th>473 nm, 532 nm, 640 nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Type</td>
<td>CW</td>
</tr>
<tr>
<td>Laser Source Type</td>
<td>DPSS &amp; Diode</td>
</tr>
</tbody>
</table>

Overview:

The LMM-RGB3 Series of Combined-wavelength Diode-Pumped Solid-State (DPSS) / Diode Lasers are ideal for applications requiring red, green, and blue wavelengths to be emitted from a single laser module. These RGB laser systems are available up to 1 W combined output power with a high level of long-term output power stability and long operating lifetime, all at an aggressively competitive cost.

These lasers are commonly used for laser light shows (entertainment) as well as scientific applications including PIV, Raman Spectroscopy, and others. The driver is available as a complete FDA-compliant system or as an O.E.M. component with significantly reduced dimensions.

Available with TTL and Analog modulation, and in a wide array of output power and stability levels, Laserglow products are currently being used by some of the World's top universities and other prominent research facilities.

Key Features:

- Air cooled - no need for water cooling or external chiller
- Lightweight, compact design
- Efficient DPSS technology runs on standard AC power (85 - 264 V, 47 - 63 Hz)
- >10,000 hours continuous maintenance-free operating life
- TTL and Analog modulation (input via BNC connector) lab-spec models only
- Adjustable output power via lockable dial) lab-spec models only
- LED display showing LD current, laser cavity temperature lab-spec models only
- FDA CDRH Compliant Class IIIb / Class IV enclosure
- 48-hour replacement coverage available for an additional fee on specific models

Package Includes:

- Laser Head
- Driver/Power Supply
- Power Cable
- BNC Connector (LabSpec models only)
- Keys, Safety Interlock
- Hard-shell Carrying Case
Specifications:
This spec sheet has been generated specifically for part number M35-3, per your request. Each column represents the specifications of the individual component lasers that make up the multi-wavelength system.

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.
Power Supply Options:
These lasers are available with several different power supply options. The model that you have selected is highlighted below, and any other options are shown for easy reference.

Multi-wavelength lasers include a separate power supply for each wavelength. In some cases the power supply for each wavelength may be slightly different in size. If the dimensions of the power supply are a concern for you please inquire with us before placing your order.

*Power supply may not be exactly as shown, see dimensional drawings on next 2 pages.
*Dimensions for fiber-integrated (\(I\)) include laser head packaged inside.

Regulatory Classification:
The model you have selected (M35-3) requires the following safety label(s):
Dimensional Drawing - Laser Form Factor: 3:

Title: Lab/OEM 3 Housing

Scale: 1:1

Electrical connectors on rear

Aperture

UNLESS OTHERWISE SPECIFIED:

DRAWINGS SHOWN ARE NOT Necessarily TO SCALE. DIMENSIONS SHOWN ARE IN MILLIMETERS.電影ー的節目的地無所鉈

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Accessories:
The most popular accessories for model M35-3 are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
</table>
| ACALB237X   | Carrying Case-107  
Holds Lab/OEM 2/3 wavelength Labspec laser  
Full Details: [www.laserglow.com/ACA](http://www.laserglow.com/ACA)  
Included With Laser |
| ACFVISHXA   | FC/PC Fiber Coupler/Collimator for visible spectrum wavelengths (400 to 700 nm) (installed and aligned)  
11mm diameter input lens  
Full Details: [www.laserglow.com/ACF](http://www.laserglow.com/ACF) |
| ACSVISHXA   | SMA-905 Fiber Coupler/Collimator for visible spectrum wavelengths (400 to 700 nm) (installed and aligned)  
11mm diameter input lens  
Full Details: [www.laserglow.com/ACS](http://www.laserglow.com/ACS) |
| AFF2002XX   | Armored Fiber With FC/PC Connectors 200um Core Multimode 2m length  
Full Details: [www.laserglow.com/AFF](http://www.laserglow.com/AFF) |
| AFS2002XX   | Armored Fiber With SMA 905 Connectors 200um Core Multimode 2 m length  
Full Details: [www.laserglow.com/AFS](http://www.laserglow.com/AFS) |

FOR MORE INFORMATION PLEASE CONTACT:
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sales@laserglow.com [www.laserglow.com](http://www.laserglow.com)

E&OE: Data included in this sheet may be subject to change without notice.  
Please confirm critical specifications with our staff prior to ordering.