



NECSEL™ NOVALUM

RGB LASER DIODE - 700 LUMEN

Version 1.0



UNIQUE & ADAPTABLE

The Necsel NovaLum contains red, green and blue lasers to produce a combined output of over 700 white balanced lumens into an extremely small 400 micron core fiber. Combined with the Necsel Intelligent Controller, this laser can be easily integrated into an OEM system.

FEATURES

- 700 Lumens
- Long Lifetime
- Couples Into Small Fibers
- Independently Modulated
- Colors
- High Speed Modulation
- Compact Size
- Temperature Feedback

APPLICATIONS

- Remote Source Lighting
- OEM Systems
- Bioinstrumentation
- Forensics
- Inspection
- Visualization
- Borosopes
- Laser Light Shows

SPECIFICATIONS SUMMARY

Parameter	Min	Limits Typ	Max
Operating Power (RGB)	2700 mW (White Balanced)		
Temperature	25°C		
Fiber-Coupling	SMA-905, 400 μm core, .22 NA		
RED			
Center Wavelength	638 nm		
Operating Power	0 mW	-	3000 mW
Current	0	-	1600 mA
Voltage	-	12.5 V	15.0 V
GREEN			
Center Wavelength	525 nm		
Operating Power	0 mW	-	800 mW
Current	0	-	1600 mA
Voltage	-	4.7 V	5.2 V
BLUE			
Center Wavelength	465 nm		
Operating Power	0 mW	-	1800 mW
Current	0	-	2000 mA
Voltage	-	4.7 V	5.2 V

OPTIONAL ACCESSORIES

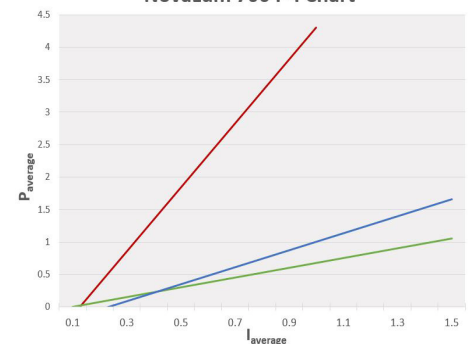


TRANSPORT FIBER



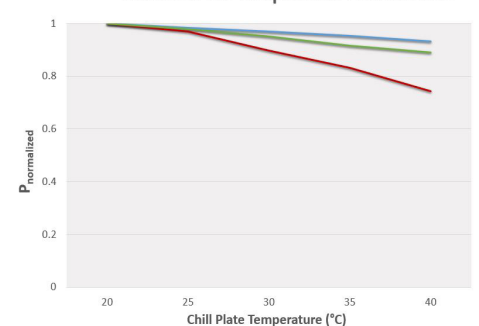
INTELLIGENT CONTROLLER

NovaLum 700 P-I Chart



POWER VS. CURRENT

NovaLum 700 Temperature Performance



POWER VS. TEMPERATURE

