



Luminaire Laser System

RGB-6P/3P

NEW PRODUCT



Applications

- ▶ 2D and 3D Digital Cinema
- ▶ Theme Parks
- ▶ Planetariums
- ▶ Other Specialty Venues
- ▶ AV Applications



Features

- ▶ Multiple Wavelengths
- ▶ Minimal Speckle
- ▶ Wide Color Gamut
- ▶ Illumination Output 300 klm
- ▶ Scalable Modular Design
- ▶ Reliable and Efficient
- ▶ Rugged Industrial Design

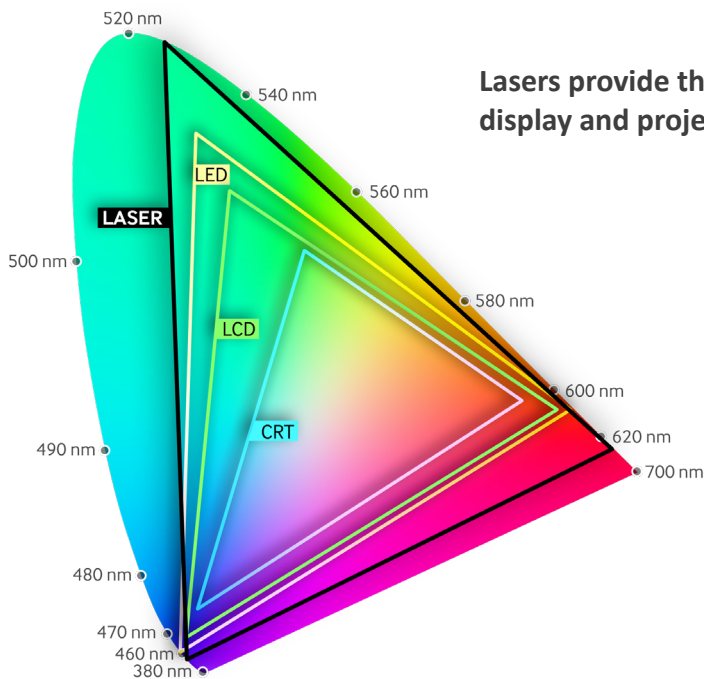
Laser illuminated digital cinema is the future of the digital cinema industry. Spectacular color purity, high brightness and longevity make lasers the illumination technology of choice. Enabling this growth is the development of novel IPG technology which extends the benefits of IPG's unique fiber laser technology into the visible light spectrum.

IPG Photonics' NEW 6P/3P RGB High Power Luminaire Laser System is specifically designed for state-of-the-art 2D and 3D digital cinema, theme park and other entertainment markets. IPG's Fiber Laser Luminaire system has broad laser linewidths for each color to dramatically reduce speckle, ensuring excellent image quality. Flexible Luminaire architecture is scalable from 20 klm to >300 klm of combined 6P/3P light output into a projector. IPG's Laser Luminaire meets or exceeds current DCI standards. Reliable, compact and efficient, IPG's Luminaire Laser System provides high power beams of extremely high quality and extremely stable wavelength over a range of real world operating conditions.

Luminaire Laser System

RGB-6P/3P

System Characteristics		RGB-100-6P/3P	RGB-300-6P/3P
Illumination Output: White Light (into projector), klm		100	300
Center Wavelengths, nm			
Red		615 and 635	
Green		525 and 545	
Blue		445 and 465	
Spectral Bandwidth FWHM, nm			
Red		4-10	
Green			
Blue			
Output Power 3P/6P, W			
Red		90	300
Green		100	330
Blue		80	270



Lasers provide the broadest color gamut available for display and projection applications

MAX. AVERAGE OUTPUT POWER: 500 W
 MAX. PEAK OUTPUT POWER: 3 kW
 PULSE DURATION: 4 ns
 PULSE REPETITION RATE: 14 MHz
 WAVELENGTH RANGE: 600-655 nm

MAX. AVERAGE OUTPUT POWER: 2 W
 MAX. PEAK OUTPUT POWER: 10 W
 PULSE DURATION: 4 ns
 PULSE REPETITION RATE: 14 MHz
 WAVELENGTH RANGE: 1200-1300 nm

MAX. AVERAGE OUTPUT POWER: 450 W
 MAX. PEAK OUTPUT POWER: 16 kW
 PULSE DURATION: 0.5 ns
 PULSE REPETITION RATE: 1 MHz
 WAVELENGTH RANGE: 510-565 nm

MAX. AVERAGE OUTPUT POWER: 1 W
 MAX. PEAK OUTPUT POWER: 50 MW
 PULSE DURATION: 0.5 ns
 PULSE REPETITION RATE: 1 MHz
 WAVELENGTH RANGE: 1025-1125 nm

MAX. AVERAGE OUTPUT POWER: 425 W
 WAVELENGTH RANGE: 425-490 nm

DANGER - INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT

IEC 60825-1:2014

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