

ILLUMINA

CINEMA LASER SYSTEM

Power Technology
Incorporated



THE FUTURE IS BRIGHT NOW

The greatest challenge currently facing projector manufacturers is delivering more brightness on the screen at an economical price. The limitations of xenon bulbs have contributed to the decay of audience attendance and screen size growth. That ends now. With 20x the lifespan of bulbs, the Illumina Cinema Laser System eliminates the never-ending bulb replacement expenses while maintaining 80% of original brightness over 10 years. This saves thousands of dollars over a projector's lifetime while providing brighter and more engaging experiences to a greater number of ticket-buying customers.

Illumina easily exceeds the brightness requirements of today's demanding 3D applications as well as the immersive cinema experiences of tomorrow. Illumina is engineered to virtually eliminate speckle while simultaneously increasing the available color gamut for a richer cinema experience. Scalability allows manufacturers and theater owners to choose the right amount of light for the right projector at the right price. From small art house screens to giant cineplexes, the Illumina Cinema Laser System provides between 12,000 and 65,000 lumens of D 65 compliant white light exactly where you need it... on the screen.

Call or email today to find out how laser illuminated projection with the Illumina Cinema Laser System can bring your theater experience into the brightest future possible, right now.

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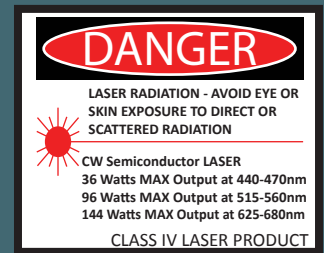
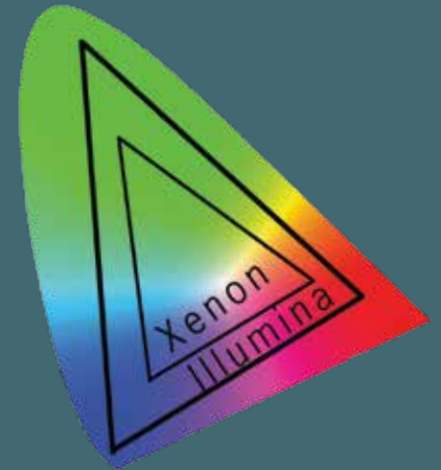
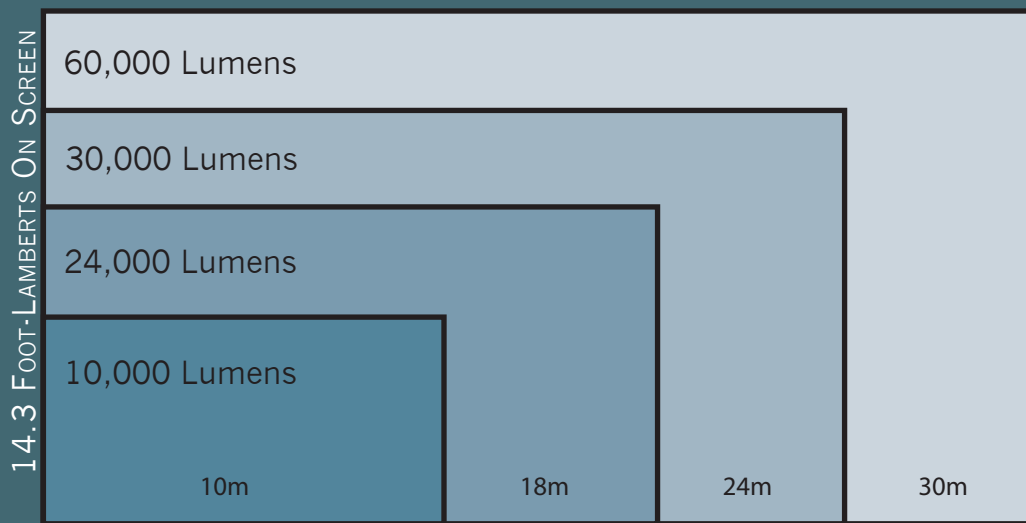
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The Illumina Cinema Laser System produces a markedly increased color gamut over traditional light sources providing a greater range of color expression, fueling audience immersion, and superior experience.

SCALABLE ARCHITECTURE FOR EVERY SCREEN



Lumens	10,000	24,000	30,000	60,000
Primary Colors	3	3	3	3
Supply Voltage (VAC)	90-240	90-240	90-240	90-240
Supply Current (@120VAC)	6A	16A	20A	40A
Operating Temperature (°C)	10 - 35	10 - 35	10 - 35	10 - 35
Storage Temperature (°C)	0-50	0-50	0-50	0-50
Cabinet Size (Inches)	5.3x17x24	5.3x17x24	5.3x17x24	5.3x17x24
19" Rack Space (Inches)	6.3	12.6	12.6	18.9
Weight (Pounds)	45	90	90	180
Noise Level (dBm)	64	68	68	68
Exhaust CFM	180	360	360	720

The Illumina laser is sold initially as a Class 4 laser system. Once the laser has been integrated into a Laser Illuminated Projector (LIP), the laser will need to be reclassified. The projector will not be a class 4 laser product. On February 18, 2015, FDA/CDRH issued new "Guidance for Industry and Food and Drug Administration Staff". This guidance changed the Classification and Requirements for Laser Illuminated Projectors (LIPs). In production volumes, the Illumina can be supplied as a laser component. Under 21 CFR 1040.10 (c) (2), the Illumina is considered a Removable Laser Systems. The Illumina laser system in not considered a "Demonstration Laser Product" per 21 CFR 1040.10 (b)(13). The laser can be used for other applications besides cinema. Please feel free to contact our VP of Operations, William Burgess, at 501-407-0712 or wmburgess@powertechnology.com. He is a member of ANSI Z136.1 (Safe use of Lasers) and ANSI Z136.10 (Laser safety Standard for Entertainment, Displays & Exhibitions). He is quite familiar with this new guidance and can help our customer navigate the regulatory landscape.