

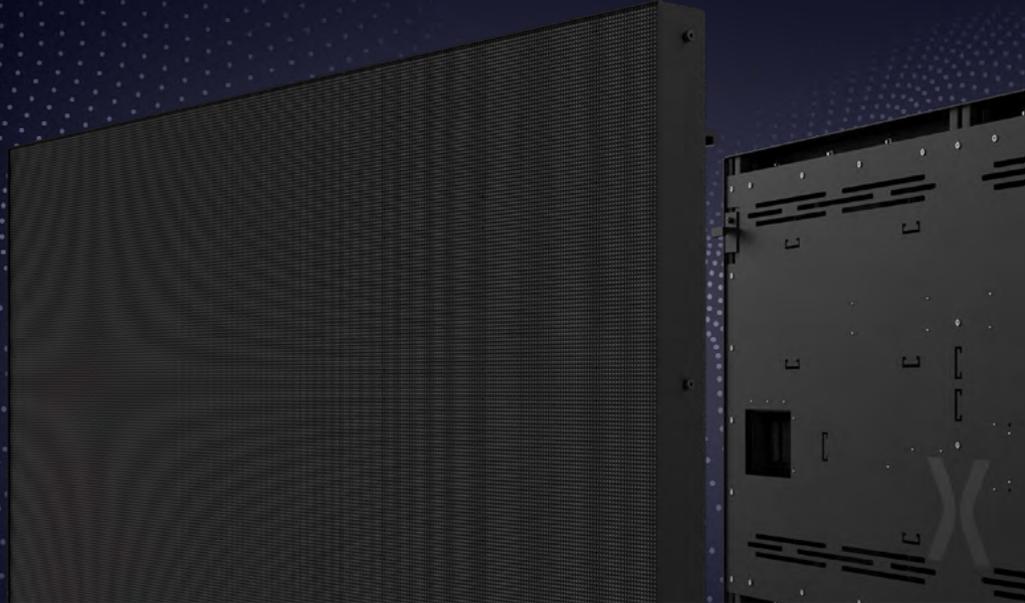
Indoor LED

LUXVISION

# ProLux Rugged Series

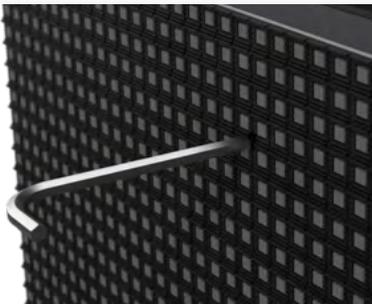
## Engineered for action

Experience top-tier performance and exceptional reliability with the ProLux Rugged Series. Our latest pixel technology advancements mean 43% smaller pixels, delivering sharper displays with deeper blacks. Built to withstand the rigours of indoor sports environments, ProLux Rugged offers superior brightness and durability, making it the ideal choice for high-impact applications.



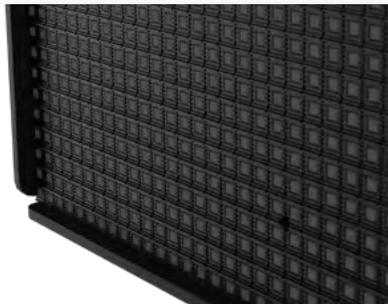
### Metal-to-Metal 1/4 Turn Modules

Our modules are mounted using a 1/4 turn mechanism with metal-to-metal connections (no plastic here!), ensuring a secure and durable fit that prevents loosening and maintains stability even under regular impact.



### Impact-Resistant Trim

Our one-of-a-kind impact-resistant trim is not just about protection; it's also designed to look good. It provides a sleek, polished appearance while shielding the edges of the LED modules from physical impacts. You get a display that's both durable and visually appealing, enhancing the overall look of your venue.



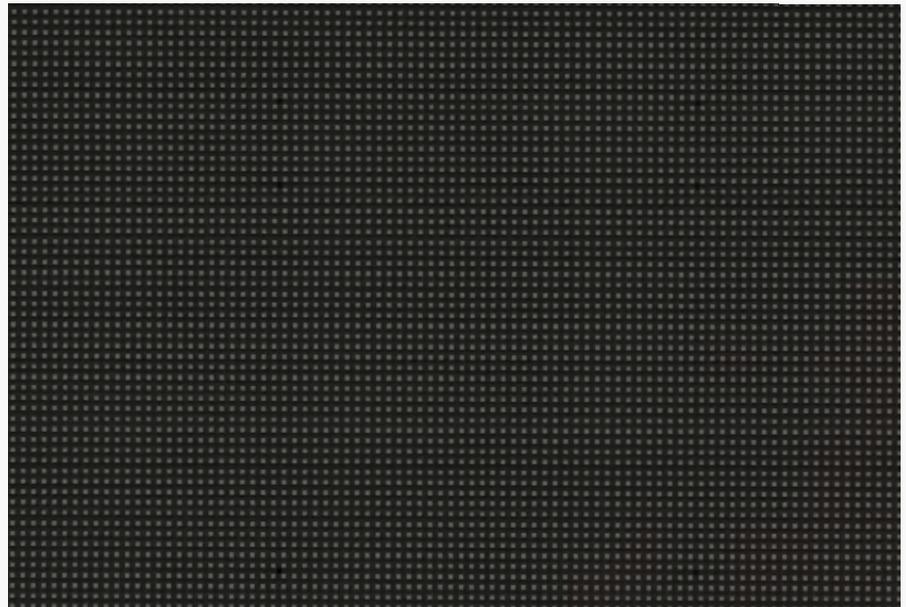
### Secure Cabling System

Unlike other common designs, where modules connect directly to hub boards, the ProLux Rugged system uses cables to distribute power and data. Using cables prevents impact forces (like a ball strike) from reaching the underlying electronic components. This significantly reduces the risk of damage and extends the lifespan of the display. These cables have locks to prevent accidental disconnection.



# Brilliance in every pixel

Our new and improved LED pixels provide exceptional brightness, superior picture quality, and unparalleled energy efficiency. With improved black levels, lower power consumption, and reduced heat output, your display will look stunning and perform reliably, making it the ideal solution for high-impact environments.



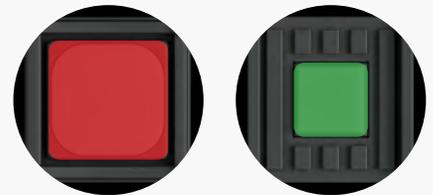
## Improved Energy Efficiency

Our latest LED pixels consume less power and generate less heat, which reduces operational and infrastructure costs, extends the lifespan of the display, and supports more sustainable energy use.

## Smaller, Brighter LED Lamps

Our LEDs are smaller by surface area than other comparable LED pixels, which are up to 76% larger. These smaller lamps provide better black levels and improved contrast, resulting in sharper, more vibrant images. With an impressive brightness of 2,100 nits, you'll have vivid and clear displays even in well-lit environments.

Other comparable LED pixels are up to **76%** larger

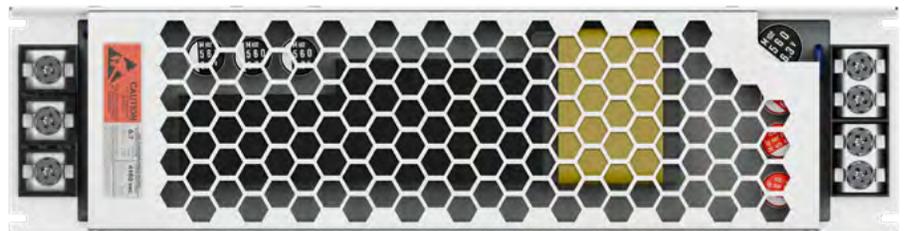


Others

ProLux Rugged

## Top quality, industry-standard components

ProLux Cabinets are designed with your long-term needs in mind. By using non-proprietary components that are easily sourced, we ensure our displays are not only durable but also easy to maintain. Our commitment to quality and serviceability sets us apart from competitors who rely on hard-to-source proprietary parts, giving you peace of mind and protecting your investment for years to come.



## Meanwell Power Supplies

Our cabinets feature Meanwell power supplies, which are known for their exceptional reliability. With a mean time before failure (MTBF) rating of 257,000 hours and a military reliability rating for rough environments (MIL-HDBK-217F).

**NovaStar Control System**  
**Industry Standard PowerCon**  
**Standard RJ45**  
**Standard Cat6 Cables**

## Unmatched serviceability

At LuxVision, we understand the importance of future value. That's why our products are designed for easy serviceability, ensuring maintenance is hassle-free and cost-effective.



### Full Front Access

Every component, including modules, receive cards, power cables, chassis connectors, data cables, and power supplies, can be accessed and serviced from the front of the display, eliminating the need to dismantle the entire video wall to access a single component.

### Ease of Maintenance

Our service-friendly design means you can quickly and easily replace any component without complex procedures or excessive labour. This not only simplifies maintenance but also reduces long-term maintenance costs and enhances the overall lifespan of your investment.

## 7-year impact-resistant warranty

Our comprehensive coverage, unique protection against high-impact sports environments, and efficient repair process ensures your display remains reliable and protected, so you can be confident your display will stand the test of time.

### Comprehensive Coverage

Every ProLux Rugged Series display comes with a robust 7-year standard warranty. For those who want additional peace of mind, we offer long-term protection with extended warranty options available for up to 10 years.

### Physical Damage Protection

Our one-of-a-kind warranty covers physical damage caused by air-inflated balls over 6 inches in diameter, such as volleyballs and basketballs. This sets us apart from competitors, ensuring your display can handle the demands of sports environments without worry.

### Batched Replacement Spares

We store additional warranty replacement spares at our Canadian service center. This ensures any warranty repairs are completed quickly and with parts from the same batch, maintaining consistency and performance.

# ProLux Rugged Series

## Cabinet Specifications



### Physical Parameters

Pixel Pitch (mm)	3.3		4.0	
Resolution (px)	384 × 216	480 × 270	320 × 180	400 × 225
Pixel Configuration	3-in-1 SMD			
Cabinet Material	Aluminum			
Cabinet Dimensions (W x H, mm)	1,280 × 720	1,600 × 900	1,280 × 720	1,600 × 900
Weight Per Cabinet (kg / lb)	30.7 / 67.7	45.0 / 99.0	30.7 / 67.7	45.0 / 99.0
Impact Resistant	Yes			
Service Access	Front			
Mounting System	Factory wall-mounting or flown system			

### Optical Specifications

Brightness (nits)	2,100
Contrast Ratio	10,000:1
Viewing Angle (Horizontal / Vertical)	160° / 120°
Colours	281 trillion
Greyscale	16-bit
Refresh Rate (Hz)	4,200

### Electrical Specifications

Power Consumption (Watts/Cabinet, Max.)	242.5	384	242.5	384
Power Consumption (Watts/Cabinet, Avg.)	80.8	128	80.8	128
Power Supply (V)	AC 90-264			

### Operation Specifications

Operating Temperature	+5°C~+50°C
Operating Humidity	10~90%RH
Lifetime (Hours)	100,000
Standard Warranty	7 years

### Certification and Compliance

Safety	cETL
--------	------