

SHB40 High Bay: Designed for Prologis Facilities

Up to 48,000+ lumens | 50 fc at 40 ft mounting height | Fewer fixtures with advanced optics. The SHB40 High Bay remains the most efficient high bay light available for 40 ft applications on the market today.

Elevate Your Facility with Stellar Lighting Systems SHB40 High Bay

Transform your warehouse or industrial space with the Stellar Lighting Systems SHB40 Super High Bay—where groundbreaking technology meets unparalleled efficiency. This innovative lighting solution dramatically reduces energy costs while delivering brilliant, reliable performance. Say goodbye to uneven lighting and frequent maintenance, and embrace a safer, smarter, and more sustainable solution. With Stellar, you're not just lighting a space—you're investing in a brighter, more secure future for your operations.

Customized for Sustainability

Engineered to maximize each project's sustainability and resiliency goals, the SHB40 High Bay provides tailored, high-performance solutions optimized for long-term efficiency in high-bay warehouse environments.

Innovative Design

The SHB40 High Bay utilizes a cutting-edge distributed lighting system that evenly spreads light across large spaces, eliminating dark spots while keeping LEDs cooler for extended lifespan and reduced maintenance.

Circular Economy Construction

Built from recycled or bioplastics plastics and recycled aluminum, re-alloyed and heat-treated, with an anodized natural aluminum finish for superior durability and longevity.

Advanced Illumination & Superior Performance

Delivering up to 48,000+ lumens with advanced optics, the SHB40 High Bay achieves 50 fc average at 40 ft mounting height using fewer fixtures than competing solutions. This consistent, high-quality illumination enhances visibility and safety while creating environments proven to deter illegal activities and protect employees, customers, and assets.

Extreme Energy Efficiency

With industry-leading output of up to 233 lumens per watt, the SHB40 High Bay maximizes energy savings without compromising performance—making it the most efficient high bay solution for 40 ft applications.

Versatile Configurations

Flexible mounting and optic options adapt to diverse warehouse and industrial layouts, providing long-term cost savings and superior lighting tailored to your specific space.

Installation

Luminaires can be surface-mounted or suspended via unistrut (or equivalent) with threaded rod for fast, straightforward installation.

Warranty

The product includes a 5-year limited warranty, which is the only warranty provided. No other statements in this specification sheet create additional warranties, and all other express or implied warranties are disclaimed. Full warranty terms are available at www.stellarsls.com/warranty.

Note: Actual performance may vary based on end-user environment and application. All values are design or typical values measured under laboratory conditions at 25°C. Product images are for illustration purposes only and may not exactly represent the final product. Specifications are subject to change without notice.



230+
LUMENS PER WATT



SDG 7: Affordable and Clean Energy

By producing highly efficient lighting solutions (at least 200 lumens per watt), we reduce energy consumption and promote the use of clean, affordable energy in commercial and industrial settings.



SDG 9: Industry, Innovation, and Infrastructure

Our focus on innovative lighting design and advanced technology ensures that businesses and public infrastructure benefit from smarter, more efficient lighting systems that support sustainable industrial growth.



SDG 11: Sustainable Cities and Communities

By providing energy-efficient lighting for urban areas such as parking garages and warehouses, we contribute to safer, more sustainable cities with lower energy costs and improved public safety.



SDG 12: Responsible Consumption and Production

We prioritize sustainability by using 80% recycled materials in our products, reducing waste, and promoting the circular economy in the lighting industry.



SDG 13: Climate Action

Our energy-efficient lighting systems help reduce CO2 emissions, contributing to the fight against climate change by minimizing environmental impact in commercial and public spaces.

TECHNICAL SPECS

High Tech, Low Maintenance

STLR-SHB40 Highlights

Wireless Controls Standard:

Programmable control unit. Dimmable, On-Off, Motion-activated in zones or individual.

Advanced LED Protection:

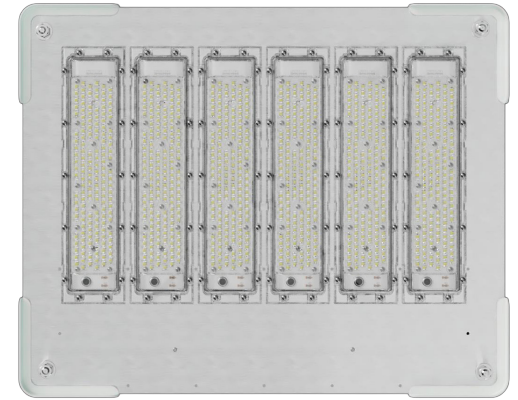
At Stellar, we take LED protection a few steps further so our LEDs stay vibrant with our advanced passive thermal management and advanced conformal coating. Our aluminum arms double as heat sinks and optimized PCB designs keep temperatures low, while a durable, transparent polymer coating shields the phosphor from moisture, chemicals, and wear. This prevents phosphor loss, ensuring consistent, high-quality light without ever turning blue.

Servicable:

In the rare case of component failure, all our components are replaceable, making maintenance and service easy and keeping the luminaire out of the trash.

Installation:

Aircraft Cable and Clips (provided)
Surface Mount Kit Available
6" Whip Included, up to 15ft Available.



SHB40 Lighting Spec

Driver	LM	LM/W	CRI	CCT	LED Lifespan	Driver Lifespan
U-175W	41,376	233	80	4/5000	120,000 hrs	110,000 hrs
U-205W	47655	231	80	4/5000	120,000 hrs	110,000 hrs

Driver Spec

Driver	V	W	PF	IP	Max Operating Temp	Controls	Certs
U-175W	90-305 VAC	175W	0.99	IP67	85°C	0-10V - Wireless	UL Class P
U-205W	90-305 VAC	205W	.96	IP67	85°C	0-10V - Wireless	UL Class P

BUILT-IN INTELLIGENCE

STELLAR COMMAND READY

Integrated wireless connectivity and Stellar Command-ready intelligence turn this high-performance LED fixture into a facility-wide IoT backbone. By acting as wireless network anchors, the fixtures eliminate separate gateways and additional hardware, cutting installation and integration costs by 70–90%. AI-driven controls use real-time network data to dynamically optimize lighting, delivering 30–60% energy savings and seamless digital twin integration—without complex retrofits or manual adjustments.

