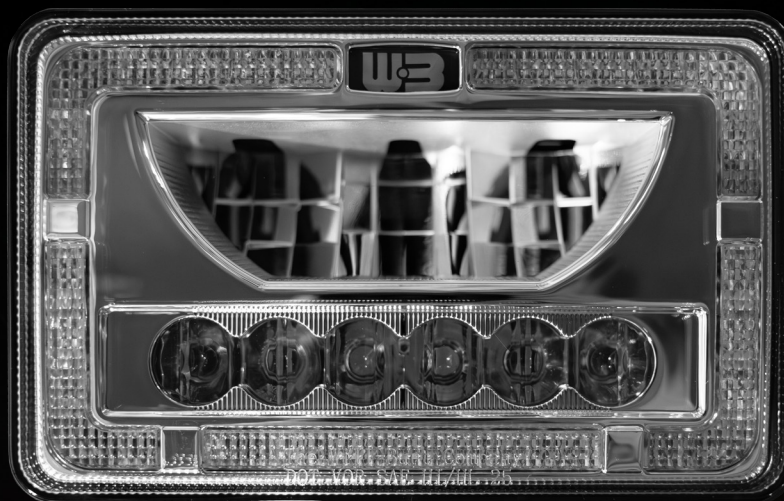


**SIRION<sup>®</sup> HL**

**WB**  
WILL-BURT

***Next-Generation  
4x6 LED Headlight***



**AMERICAS**

**INNOVATION ELEVATED<sup>®</sup>**

# SIRION<sup>®</sup> HL

## SIRION HL Next-Generation 4x6 LED Headlight

### Premium retrofit or OEM upgrade for professional vehicles

The Sirion HL is Will-Burt's next-generation 4x6 LED headlight, engineered as a premium upgrade for replacing aging halogen units or integrating into new vehicle builds. Fully DOT / FMVSS 108 compliant and CISPR 25 Class 1 certified, it delivers advanced roadway illumination with uniform light distribution, no dark spots, and superior clarity compared to halogen and legacy LED options. Built with high-performance LED technology and a distinctive full-halo signature light, the Sirion HL enhances visibility, signaling, and safety in demanding environments. Designed for seamless retrofit compatibility, it drops directly into standard 4x6 housings to minimize installation time and vehicle downtime. Backed by Will-Burt's proven durability and long limited warranty, the Sirion HL sets a new benchmark for professional-grade headlight performance.



### KEY BENEFITS

- **Certified Performance**
  - DOT / FMVSS 108 Compliant and CISPR 25 Class 1 Certified
- **Engineered for Roadway Safety**
  - Designed to enhance visibility and reduce risk in critical environments such as emergency response and construction zones
- **Uniform Light Distribution**
  - Casts a consistent, uninterrupted beam pattern that eliminates dim zones and uneven lighting
- **Premium LED Technology**
  - Utilizes high-quality LEDs for extended lifespan, energy efficiency, and optimal performance in all conditions
- **No Dark Spots**
  - Advanced optics virtually eliminate shadowing and blind areas, ensuring full-spectrum illumination
- **Superior to Halogen and Legacy LEDs**
  - Outperforms traditional halogen and poorly designed LED headlights in clarity, brightness, and beam consistency
- **Full-Halo Signature Light**
  - Surrounds the entire lamp with a distinctive ring that supports wig-wag functionality for enhanced visibility and signaling
- **Optimized for Retrofit Integration**
  - Engineered to seamlessly replace 4x6 inch halogen fixtures, reducing installation complexity and minimizing vehicle downtime
- **Lifetime warranty\* for Fire Apparatus / 5-years for all other vehicles and markets**
  - Backed by Will-Burt's commitment to durability and reliability in demanding field applications

### SPECIFICATIONS

Sirion HL	
Raw Lumens (lm)	High+Low+HPL: 4,500   High+HPL: 2,700
Beam Modes	High/Low   Halo Park Lamp   High Only
Dimensions (in. / mm)	6.55 x 4.19 x 3.01 / 167 x 107 x / 77
Weight (lb. / g)	1.98 / 896
Wattage	High/Low: 45W High, 27W Low, 6.4W HPL   High only: 27W High, 6.4W HPL
Input Voltage	9-32V DC
EMC Approval	CISPR 25 Class 1 / CE
Water-Proof Rating	IP69K
Vibration	Sirion HL was validated using random vibration testing method for road vehicles
Warranty*	Lifetime for Fire Apparatus / 5-years for all other vehicles and markets

\*Limited lifetime warranty when used on fire apparatus with registered public safety agency. 5-year limited warranty for all other vehicles and markets. See manual for details.

# SIRION<sup>®</sup> HL

**HIGH BEAM**



**COMPETITOR #1**

**LOW BEAM**



**COMPETITOR #1**

**HIGH BEAM**



**SIRION HL**

**LOW BEAM**



**SIRION HL**

**HIGH BEAM**



**COMPETITOR #2**

**LOW BEAM**



**COMPETITOR #2**

**Standardized Testing:** High beam and low beam mounted at 34" from ground.  
Same camera setting and position used for each photo.

**CONTACT YOUR SALES  
REPRESENTATIVE TODAY**



**Contact Us**  
Complete a Contact Form

**WILL-BURT NORTH AMERICA  
WORLD HEADQUARTERS**

401 Collins Boulevard, Orrville, OH 44667 USA  
Telephone: +1 330 682 7015  
Mast Customer Service: +1 330 684 4000  
Fax: +1 330 684 1190  
Email: [info@willburt.com](mailto:info@willburt.com)

**WILL-BURT  
UNITED KINGDOM**

Unit 5b, Station Approach, Four Marks,  
Alton Hampshire, GU34 5HN, United Kingdom  
Telephone: +44 (0) 1403 265532  
Fax: +44 (0) 1403 259072  
Email: [info@willburt.com](mailto:info@willburt.com)

**WILL-BURT INTEGRATION  
ALUMA TOWER | ITS**

7750 9th Street SW  
Vero Beach, FL 32968 USA  
Telephone: +1 772 567 3423 | +1 800 850 8535  
Fax: +1 772 567 3432  
Aluma Tower Email: [info@alumatower.com](mailto:info@alumatower.com)  
ITS Email: [programs@itstowers.com](mailto:programs@itstowers.com)

**WILL-BURT ASIA  
SINGAPORE SALES OFFICE**

1 Fullerton Road, #02-01  
One Fullerton, Singapore 049213  
Telephone: +65 6832 5689  
Fax: +65 6722 0664  
Email: [info@willburt.com](mailto:info@willburt.com)

**WILL-BURT  
GERMANY**

Fischergrasse 25  
D-91344 Waischenfeld, Germany  
Telephone: +49 9202 180  
Fax: +49 9202 1811  
Email: [info@willburt.com](mailto:info@willburt.com)

**CLARK MASTS  
A WILL-BURT COMPANY**

18-20 Ringwood Road, Binstead,  
Isle of Wight, PO33 3PA, England  
Telephone: +44 (0) 1983 563691/567090  
Fax: +44 (0) 1983 566643/811157  
E-mail: [sales@clarkmasts.com](mailto:sales@clarkmasts.com)

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.

*Disclaimer: Dimensions and weights are for reference only and are subject to change.  
Please contact Will-Burt for current engineering specifications.*



**Will-Burt Terms and Conditions of Sale:**  
<https://www.willburt.com/support/service/will-burt-terms-conditions-of-sale/>

© March, 2026  
The Will-Burt Company  
ISO 9001:2015  
**INNOVATION ELEVATED®**