

**HYLITE™**  
LED Lighting

**NEXGEN**  
PRODUCTS

Available in Three Popular Lumen Packages and in Five NEMA Beam Spreads,  
2, 3, 4, 5 and NEMA 6 to suit a Variety of Sports Lighting Applications

- 170+ LpW
- IP67
- Glare-Free, UGR <19

The Ultimate Sports Light for Versatility

**AEON™**  
ECO SERIES

With Enhanced Glare-Free Illumination and various Beam Spreads, AEON ECO Series Sports Light Provides Crisp Illumination, avoiding any Visual Discomfort. AEON's Proprietary Optics produce Ideal Light Distribution and Beam Angles for a Variety of Sports Lighting applications, while saving you up to 79% in Energy use compared to Traditional Lighting.

Engineered with State-of-the-Art technology for Glare Control, and Uniform Illumination, AEON ECO Series Sports Light features Instant On/Off, Dimming, Full Controllability, High Energy Efficiency, Flicker-Free Lighting and Complete Flexibility.

AEON ECO Series Sports Light delivers a Simple, Smart and Easy-to-use Sports Lighting Solution to provide Advanced Functionality, Versatility and Operational Efficiency.

3 Popular Lumen Packages to Suit a Variety of Indoor and Outdoor Applications:

230W: 39,100 Lumens

310W: 51,150 Lumens

500W: 80,000 Lumens

SAVE UP TO  
**79%**  
ON YOUR  
ENERGY COSTS

The Most  
Efficient &  
Powerful LED  
Sports Light in  
the Industry!

Proprietary  
& Patented  
Designs!

Illuminating facts about High Performance AEON™ ECO Series LED Sports Light  
Better for your Eyes, Better for the Planet.

What makes the AEON™ LED Sports Light your Lighting Solution of Choice?

- The most powerful Sports Light Luminaire with the Highest Reliability Level: Incredibly High (95%+) Total Efficiency and with the Highest Efficacy in its own Class: Up to 170+ Delivered LpW. Greater Light, Fewer Luminaires.
- Heavy-duty, Lightweight and Durable Die-Cast Design for High Wear Resistance: Withstands Harsh, Extreme Outdoor Conditions and Corrosive Environments.
- Operational Flexibility: Adaptable to Various Intelligent Lighting Controls - Wired or Wireless, Wi-Fi, Zigbee, Dali, AirMesh, Hybrid Networked Lighting Controls, etc.
- Technology within the Luminaire: No Outside Exposure to any Sensitive Electronic Components. Offers Advanced Functionality and User Friendly features with Quick Connect Wiring System. No Manual Wiring Required for Dimming or Controls - Saving Time and Labor for Installation.
- High Color Rendition showing True Colors: CRI >85+.
- Excellent for 4K, Ultra-HD and HDTV Broadcasting, Digital Photography and Flicker-free, Slow-Motion Recording for Optimal Television and Security Viewing.
- Proprietary Glare-Free Illumination: No Visual Discomfort. UGR <19.
- Neighborhood-Friendly: Avoids Light Pollution and Trespass. Optical Accuracy - Directs Light precisely where needed without any Light Spillage or Sky Glow.
- Precise, Custom-engineered Optics with Controlled Intensity and Uniformity: Maintains Consistent Delivered Foot Candles over the Luminaires life with Minimal Lumen Depreciation.
- State-of-the-Art, Aesthetically Pleasing Compact Design with No Exposed Electronics or Wiring. Rugged, Weather-tight Design, IP67 Rated for Wet location.
- Proprietary Thermal Efficient Design with Passive Cooling Maximizes Heat Dissipation for Longer Life of the Luminaire. Designed for Greater Life Expectancy in Warmer Climates.
- Patented Cross-Vent Convection Design for Longer Life of LED Package and Electronics.
- Variable Dimming Control: 0-10VDC
- Ultra-Low EMI (THD <20) eliminates Electrical Interference with surrounding sensitive Electronic Systems.
- User Friendly Features: Lenses, Modules and Drivers are Field-Changeable. Saves Time, Labor and Money....no need to replace the entire Luminaire!
- Available with Optional Tempered Glass Lens for additional Safety and UV Protection



Shown with Optional Tempered Glass Lens



98%  
RECYCLABLE

NO

LEAD, MERCURY, TOXIC  
GASES OR HEAVY METALS

Additional Options available:

- Full RGB Colors and DMX Controls
- Extended Warranty
- Complete Package with Poles, Cross-Arms & Platforms

100%  
Project  
Financing  
Available

Designed, Engineered &



Assembled in the USA



Contract  
47QSWA20D0040

AEON Model	Watts	Delivered Lumens	HID Equivalent	Energy Savings*	Current Draw (mA)						Net Weight	EPA (Sq. Ft.)
					120V	208V	240V	277V	347V	480V		
HL-AES-230WD	230W	39,100	1000W	77%	2018	1164	1009	923	736	532	27 lbs. (12 Kg.)	1.3
HL-AES-310WD	310W	51,150	1500W	79%	2719	1569	1360	1243	993	718	28 lbs. (12.5 Kg.)	1.3
HL-AES-500WD	500W	80,000	2000W	75%	4386	2530	2193	2006	1601	1157	31 lbs. (14 Kg.)	1.3

\* Does not include Ballast Loss, Maintenance, Replacement Lamp Savings and Disposal Costs which amount to an additional Savings of 30~50%!

### 3 Popular Lumen Packages to Suit a Variety of Indoor and Outdoor Applications:

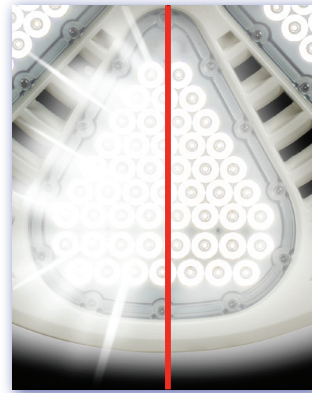
- 230W: 39,100 Lumens
- 310W: 51,150 Lumens
- 500W: 80,000 Lumens



- Patented Revolutionary Aerodynamic Design for Minimal Wind Resistance.
- UV Stabilized Electrostatic Finish and Stainless Steel Hardware to withstand Extreme Outdoor Conditions.
- Incredibly Long Lifespan of over 100,000 Hours.
- Solid-State: No Moving Parts. Ideal for High Vibration Areas (ANSI C136.31, 3G Rated). Simple, Reliable, and Affordable, Maintenance-free Design.
- Advance Technology for Luminaire Longevity: Integrated Power Supply Operates at Lower Temperature and at incredible 95%+ Efficiency.
- 6kV (Line-Line) Surge Protection and 10kA / 20kV Inline Surge Protection against Over Voltage, Short Circuiting, and Over Temperature.
- Suitable for Ambient Temperatures: -40°F - +122°F (-40°C - +50°C).
- Adjustable in 7.5° Increments: 0-90° Orient and 270° Tilt Angle.
- Standard Included: Instant On/Off, Continuous Dimming, Prewired Sheathed Cord, Hoist Hook and 3.3 ft (1m) Stainless Steel Safety Cable.
- RoHS Compliant: No Lead, Mercury, Toxic Gases or any Hazardous Materials. Facilitates LEED® points.
- Environmentally Friendly: 98% Recyclable.
- Save Labor Cost Significantly: Quick & Easy Installation Process. Lowest Total Cost of Ownership. Shortest Payback Period and a High ROI.
- Several Mounting Options: Yoke, Pendant, Wire Loop or Hook.
- Meets/Exceeds National and International Standards

SAVE UP TO  
**79%**  
ON YOUR  
ENERGY COSTS

Standard LED Optics



AEON™  
Proprietary  
Glare-Free  
LED Optics



Shown with Optional Tempered Glass Lens

**2-for-1**  
Replacement  
More Light  
Less  
Luminaires

Multi-Voltage  
Options  
120-277VAC / 347-480VAC



98%  
RECYCLABLE



**NO**  
LEAD, MERCURY, TOXIC GASES  
OR HEAVY METALS



As part of the company's continuous product improvement program, HyLite reserves the right to change materials or modify the design of its product without notification. All Specifications subject to change without notice. All values are design and/or typical values when measured under laboratory conditions. Actual Values depend upon the ambient temperature of the installation location. Please consult factory for your specific requirements.

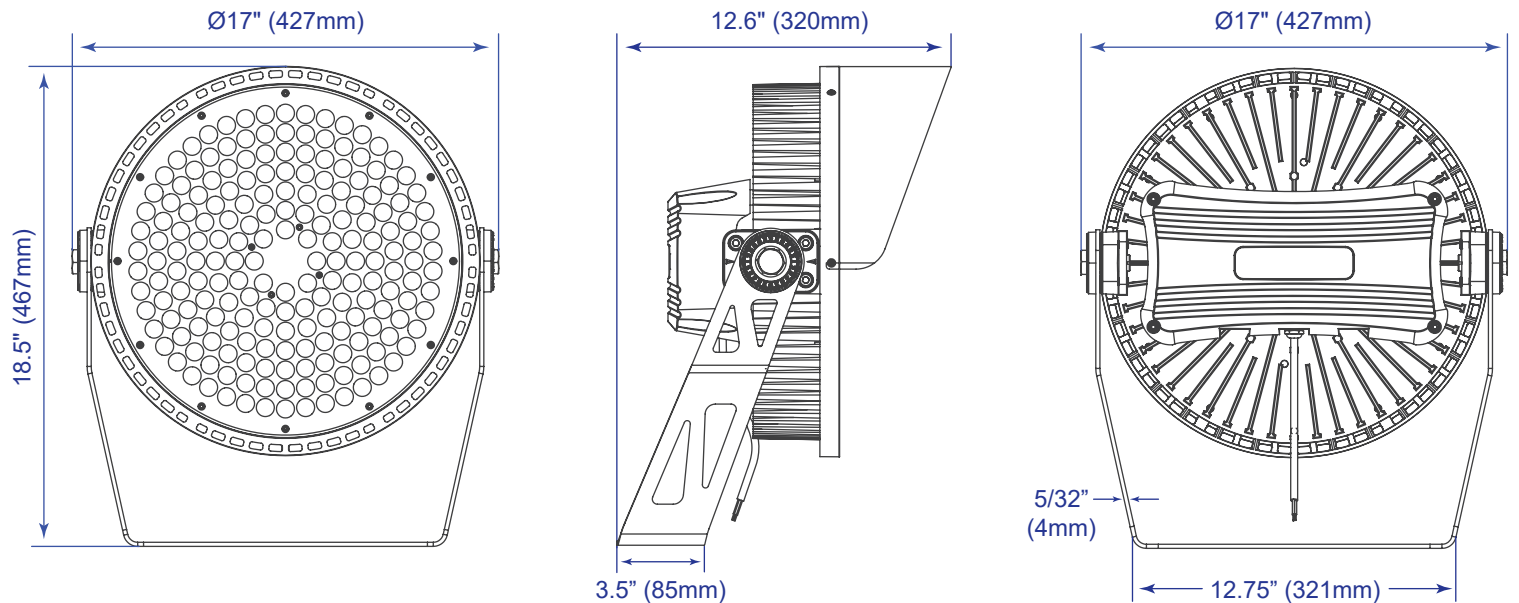


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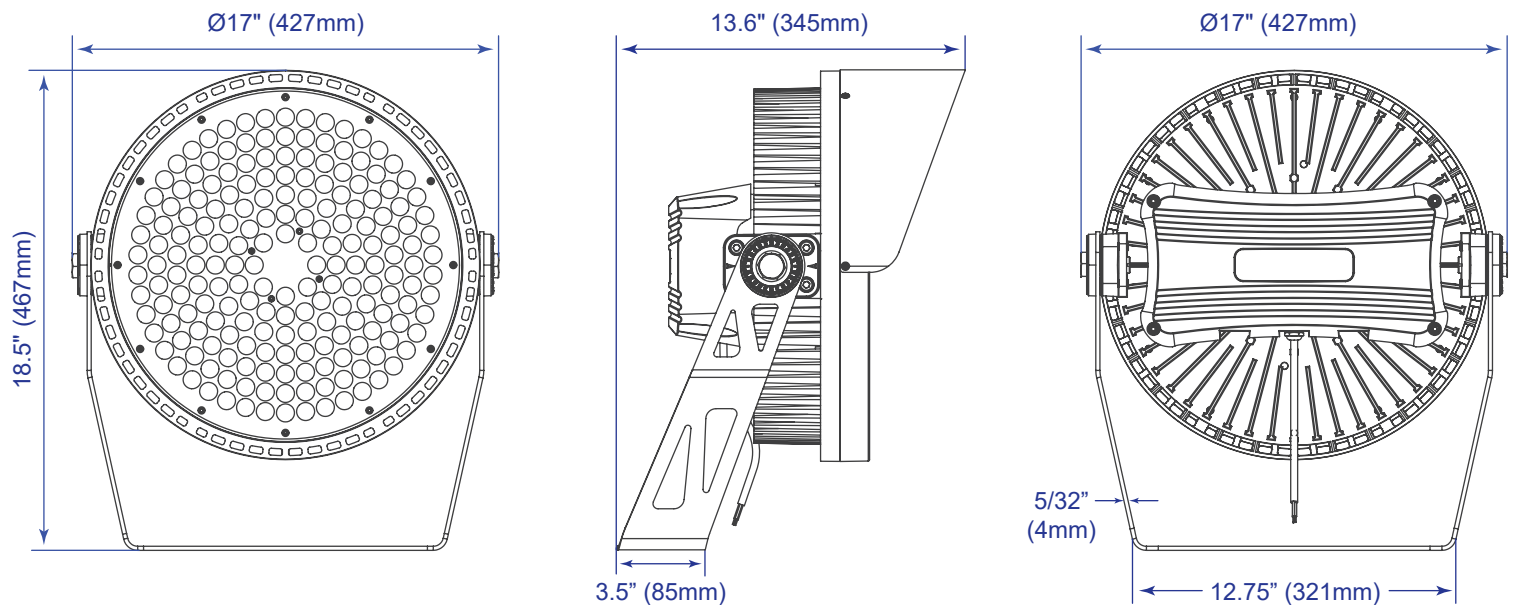
For more information, please visit: <https://aeonledlighting.com/>

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HL-AES-230WD, HL-AES-310WD and HL-AES-500WD Dimensions with Polycarbonate Lens



HL-AES-230WD, HL-AES-310WD and HL-AES-500WD Dimensions with Tempered Glass Lens



Ordering Nomenclature:

HL	AES	230	5000	4	277V	WH	PCK-7
COMPANY	SERIES	WATTS	CCT	NEMA SPREAD	VOLTAGE	COLOR	OPTIONS

230WD  
310WD  
500WD

40K = 4000K  
50K = 5000K

**Important Note:**  
Standard CCT: 5000K  
Other CCT'S available as "Special Order" only and with Longer Lead Times

2  
3  
4  
5  
6

277V = 120V-277V  
480V = 347V-480V

WH = White  
BZ = Bronze  
GY = Gray  
BK = Black

See Options, below

**Important Note:**  
Standard Color: Signal White. Other Colors available as "Special Orders" only and with Longer Lead Times

Options:

TG Tempered Glass

NLM-1840

Indirect Lighting Loop Mount Assembly

PCK-7

Photo Control Receptacle Kit Only (Photocell not included)