



Our Technology is in a League of its Own
...Innovation that will enable New Experiences at Sports Venues!

With Enhanced Glare-Free Illumination and various Beam Spreads, AEON Minimizes Shadows and Provides Crisp Illumination of the Playing Surface, Heightening the Drama of each Play and avoiding any Uncomfortable Sensation or Visual Discomfort for the Athletes, Players or the Spectators. AEON's Proprietary Optics produce the Ideal Distribution and Beam Angles for Sports Lighting, all while saving you up to 65% in Energy use compared to Traditional Sports Lighting.

Engineered with State-of-the-Art technology for Efficiency, Glare Control and Uniformity, the AEON is ideal for 4K, Ultra-HD and HDTV Broadcasting, Digital Photography and Flicker-free Slow-Motion Recording for Optimal Television and Live Audience Viewing. The AEON features High Energy Efficiency, Instant On/Off, Dimming, Full Controllability, and Complete Flexibility while providing Seamless Flicker-Free Lighting.

Designed for Municipal, High School, Collegiate, Recreational and Professional Indoor and Outdoor Sports Venues and Outdoor Stadium Lighting, the AEON delivers Simple, Smart and Easy-to-use Sports Lighting Solutions that provide Advanced Functionality, Versatility and Operational Efficiency.

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

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

- The Ultimate Sports Light for Versatility. The Unmatched Player, Fan and Broadcast Experience allows both Venue Spectators and Viewers at Home new ways to View and Experience the Emotion, Excitement and Atmosphere of the Sport.
- The Most Powerful Sports Luminaire with Highest Reliability Level: Incredibly High 95% Total Efficiency and with Highest Efficacy in its own Class: 140 Delivered LpW. More Light with Fewer Fixtures.
- Heavy-duty, Lightweight and Durable Die-Cast Design for High Wear Resistance: Withstands Harsh, Extreme Outdoor Conditions and Corrosive Environments.
- 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 Revolutionary Aerodynamic Design for Minimal Wind Resistance.
- State-of-the-Art, Aesthetically Pleasant Compact Design with No Exposed Electronics or Wiring. Rugged, Weather-tight Design, IP67 Rated for Wet location.
- Patented Cross-Vent Convection Design for Longer Life of LED Package and Electronic Components.
- Adjustable in 15° Increments: 0-90° Orient and 270° Tilt Angle.
- Scalable LED Modules in NEMA 2, 3, 4, 5 and 6 Beam Spreads allows for Optimized Configuration for different Sports and Class of Play.
- Proprietary Glare-Free Illumination: No Uncomfortable Sensation or Visual Discomfort for the Players, Spectators and for Broadcast. UGR <19.
- Precise, Custom-engineered Optics with Controlled Intensity and Uniformity: Excellent for 4K, Ultra-HD and HDTV Broadcasting, Slow-Motion Flicker-free Recording and Digital Photography. Maintains Consistent Delivered Foot Candles over Luminaire's Life.
- High Color Rendition showing True Colors: CRI >85.
- Proprietary Design offers Uniform and Constant Light Levels throughout the Life of the Luminaire with Minimal Lumen Depreciation.
- Avoids Light Pollution and Trespass: Optical Accuracy. Directs Light precisely where needed without Spill.
- Advance Technology for Luminaire Longevity: Integrated Power Supply Operates at Lower Temperature and at incredible 95% Efficiency.
- Technology within the Fixture: No Outside Exposure to any Sensitive Electronic Components.
- Operational Flexibility: Adaptable to Various Intelligent Lighting Controls: Wired or Wireless, Wi-Fi, Bluetooth, Zigbee, Dali, AirMesh Networks, Hybrid Networked Lighting Controls, etc.
- Ultra-Low EMI eliminates Electrical Interference with surrounding Electronic Systems.

5 Popular Lumen Packages to Suit a Variety of Indoor and Outdoor Sports:

230W: 33,100lm (~500W HID)	310W: 44,100lm (~750W HID)
440W: 62,100lm (~1000W HID)	520W: 73,500lm (~1500W HID)
750W: 105,000lm (~2000W HID)	



SAVE UP TO
65%
ON YOUR
ENERGY COSTS



Additional Options available for all models:

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

Designed, Engineered &



Assembled in the USA



Contract
47QSWA20D0040



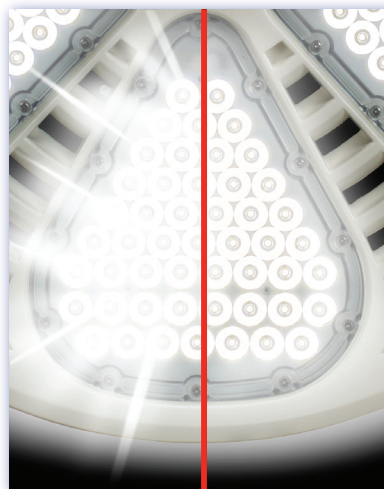
Enjoy a Drastic Reduction in your Monthly Utility Bill and Eliminate Costly Maintenance Expenses. AEON™ ...a Favorable Impact on your Bottom-line.

AEON Model	Watts	Delivered Lumens	HID Equivalent	Energy Savings*	Input Line Current (A)				Net Weight	EPA (Sq. Ft.)
					120V	277V	347V	480V		
HL-AS-230WD	230W	33,100	500W	54%	2.1A	0.9A	0.7A	0.5A	28 lbs.	1.7
HL-AS-310WD	310W	44,100	750W	59%	2.8A	1.2A	1.0A	0.7A	33 lbs.	1.7
HL-AS-440WD	440W	62,100	1000W	56%	3.9A	1.7A	1.4A	1.0A	42 lbs.	2.2
HL-AS-520WD	520W	73,500	1500W	65%	4.6A	2.0A	1.6A	1.2A	48 lbs.	2.2
HL-AS-750WD	750W	105,000	2000W	63%	6.7A	2.9A	2.3A	1.7A	68 lbs.	3.0

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

- Rugged, Durable and Compact Luminaire stands up to the most demanding Elements and is Excellent for use in Hot & Humid Climates and Suitable for use in Corrosive Environments.
- UV Stabilized Electrostatic Finish and Stainless Steel Hardware to withstand Extreme Outdoor Conditions.
- Incredibly Long-Life Span of over 100,000 Hours.
- Simple, Reliable, and Affordable, Maintenance-free Design.
- Advanced Functionality and User Friendly with Quick Connect System: Lenses, Modules and Drivers are Field-Changeable.
- Solid-State: No Moving Parts. Ideal for High Vibration Areas (ANSI C136.31, 3G Rated).
- Standard Included: Instant On/Off, Continuous Dimming, 6 ft. Prewired Sheathed Cord, Hoist Hook, Glare Shield, Laser Pointer with Mount for Precise Point Aiming.
- Several Mounting Options: Yoke, Pendant or Hook.
- Multi-Voltage: Available in 120-277VAC and 347-480VAC.
- 10kA / 20kV Inline Surge Protection against Over Voltage, Short Circuit, and Over Temperature.
- Suitable for Ambient Temperatures: -40°F~+122°F (-40°C~+50°C).
- RoHS Compliant: No Lead, Mercury, Toxic Gases or any Hazardous Materials. Facilitates LEED® points.
- Environmentally Friendly: 98% Recyclable.
- Neighborhood-Friendly: No Spillage or Sky Glow.
- Save Labor Cost Significantly: Quick & Easy Installation Process.
- Tool-less Entry allows for Easy Installation and Maintenance.
- Low Total Cost of Ownership. Shortest Payback Period and a High ROI.
- Meets/Exceeds National and International Standards

Standard LED Optics



AEON™
Proprietary
Glare-Free
LED Optics



Multi-Voltage
Options

120-277VAC / 347-480VAC

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

SAVE UP TO

65%
ON YOUR
ENERGY COSTS

5 Popular Lumen Packages

- Scalable LED Modules in NEMA 2, 3, 4, 5 and 6 Beam Spreads allows for Optimized Configuration for different Sports and Class of Play
- Various Delivered Lumen Packages to suit a Variety of Indoor and Outdoor Sports



98%
RECYCLABLE



NO
LEAD, MERCURY, TOXIC GASES
OR HEAVY METALS

230WD - NEMA 2				
Distance	Max FC		Beam Diameter	
50 ft.	99		11.8 ft.	
75 ft.	44		17.7 ft.	
100 ft.	25		23.5 ft.	
150 ft.	11		35.3 ft.	
200 ft.	6		47.1 ft.	
Beam Angle: 14° Field Angle: 25°				

230WD - NEMA 3				
Distance	Max FC		Beam Diameter	
50 ft.	53		20.2 ft.	
75 ft.	23		30.3 ft.	
100 ft.	13		40.4 ft.	
150 ft.	6		60.7 ft.	
200 ft.	3		80.9 ft.	
Beam Angle: 23° Field Angle: 43°				

230WD - NEMA 4				
Distance	Max FC		Beam Diameter	
50 ft.	34		27.0 ft.	
75 ft.	15		40.5 ft.	
100 ft.	8		54.0 ft.	
150 ft.	4		81.0 ft.	
200 ft.	2		108.0 ft.	
Beam Angle: 30° Field Angle: 64°				

230WD - NEMA 5				
Distance	Max FC		Beam Diameter	
50 ft.	25		30.9 ft.	
75 ft.	11		46.2 ft.	
100 ft.	6		61.6 ft.	
150 ft.	3		92.5 ft.	
200 ft.	2		123.3 ft.	
Beam Angle: 35° Field Angle: 80°				

230WD - NEMA 6				
Distance	Max FC		Beam Diameter	
50 ft.	13		40.9 ft.	
75 ft.	6		61.2 ft.	
100 ft.	3		81.7 ft.	
150 ft.	2		122.4 ft.	
200 ft.	1		163.3 ft.	
Beam Angle: 45° Field Angle: 114°				

310WD - NEMA 2				
Distance	Max FC		Beam Diameter	
50 ft.	135		11.3 ft.	
75 ft.	60		17.0 ft.	
100 ft.	34		22.6 ft.	
150 ft.	15		34.0 ft.	
200 ft.	8		45.1 ft.	
Beam Angle: 14° Field Angle: 24°				

310WD - NEMA 3				
Distance	Max FC		Beam Diameter	
50 ft.	71		19.4 ft.	
75 ft.	32		29.0 ft.	
100 ft.	18		38.7 ft.	
150 ft.	8		58.0 ft.	
200 ft.	5		77.4 ft.	
Beam Angle: 22° Field Angle: 42°				

310WD - NEMA 4				
Distance	Max FC		Beam Diameter	
50 ft.	45		26.6 ft.	
75 ft.	20		40.0 ft.	
100 ft.	11		53.1 ft.	
150 ft.	5		80.0 ft.	
200 ft.	3		106.3 ft.	
Beam Angle: 30° Field Angle: 64°				

310WD - NEMA 5				
Distance	Max FC		Beam Diameter	
50 ft.	33		30.5 ft.	
75 ft.	15		46.0 ft.	
100 ft.	8		61.0 ft.	
150 ft.	4		91.5 ft.	
200 ft.	2		122.0 ft.	
Beam Angle: 34° Field Angle: 80°				

310WD - NEMA 6				
Distance	Max FC		Beam Diameter	
50 ft.	18		41.0 ft.	
75 ft.	8		61.3 ft.	
100 ft.	5		81.7 ft.	
150 ft.	2		122.5 ft.	
200 ft.	1		163.3 ft.	
Beam Angle: 45° Field Angle: 114°				

440WD - NEMA 2				
Distance	Max FC		Beam Diameter	
33 ft.	375		7.4 ft.	
66 ft.	94		14.7 ft.	
99 ft.	42		22.1 ft.	
133 ft.	23		29.4 ft.	
200 ft.	10		44.2 ft.	
Beam Angle: 13° Field Angle: 24°				

440WD - NEMA 3				
Distance	Max FC		Beam Diameter	
33 ft.	187		12.5 ft.	
66 ft.	47		25.0 ft.	
99 ft.	21		37.4 ft.	
133 ft.	12		49.9 ft.	
200 ft.	5		74.8 ft.	
Beam Angle: 22° Field Angle: 45°				

440WD - NEMA 4				
Distance	Max FC		Beam Diameter	
33 ft.	180		14.9 ft.	
66 ft.	45		29.8 ft.	
99 ft.	20		44.6 ft.	
133 ft.	11		59.5 ft.	
200 ft.	5		89.3 ft.	
Beam Angle: 26° Field Angle: 58°				

440WD - NEMA 5				
Distance	Max FC		Beam Diameter	
33 ft.	93		22.8 ft.	
66 ft.	23		45.6 ft.	
99 ft.	10		68.4 ft.	
133 ft.	6		91.2 ft.	
200 ft.	3		136.9 ft.	
Beam Angle: 39° Field Angle: 80°				

440WD - NEMA 6				
Distance	Max FC		Beam Diameter	
33 ft.	55		27.3 ft.	
66 ft.	14		54.5 ft.	
99 ft.	6		81.8 ft.	
133 ft.	3		109.1 ft.	
200 ft.	2		163.6 ft.	
Beam Angle: 45° Field Angle: 115°				

520WD - NEMA 2				
Distance	Max FC		Beam Diameter	
33 ft.	416		7.3 ft.	
66 ft.	104		14.6 ft.	
99 ft.	46		21.9 ft.	
133 ft.	26		29.2 ft.	
200 ft.	12		43.8 ft.	
Beam Angle: 13° Field Angle: 24°				

520WD - NEMA 3				
Distance	Max FC		Beam Diameter	
33 ft.	221		12.8 ft.	
66 ft.	55		25.6 ft.	
99 ft.	25		38.4 ft.	
133 ft.	14		51.2 ft.	
200 ft.	6		76.7 ft.	
Beam Angle: 22° Field Angle: 45°				

520WD - NEMA 4				
Distance	Max FC		Beam Diameter	
33 ft.	213		15.1 ft.	
66 ft.	53		30.2 ft.	
99 ft.	24		45.3 ft.	
133 ft.	13		60.4 ft.	
200 ft.	6		90.6 ft.	
Beam Angle: 26° Field Angle: 58°				

520WD - NEMA 5				
Distance	Max FC		Beam Diameter	
33 ft.	110		22.7 ft.	
66 ft.	28		45.4 ft.	
99 ft.	12		68.1 ft.	
133 ft.	7		90.9 ft.	
200 ft.	3		136.3 ft.	
Beam Angle: 38° Field Angle: 80°				

520WD - NEMA 6				
Distance	Max FC		Beam Diameter	
33 ft.	66		27.3 ft.	
66 ft.	17		54.5 ft.	
99 ft.	7		81.8 ft.	
133 ft.	4		109.0 ft.	
200 ft.	2		163.5 ft.	
Beam Angle: 45° Field Angle: 114°				

750WD - NEMA 2				
Distance	Max FC		Beam Diameter	
33 ft.	501		8.2 ft.	
66 ft.	125		16.4 ft.	
133 ft.	31		32.8 ft.	
200 ft.	14		49.2 ft.	
300 ft.	6		73.7 ft.	
Beam Angle: 14° Field Angle: 27°				

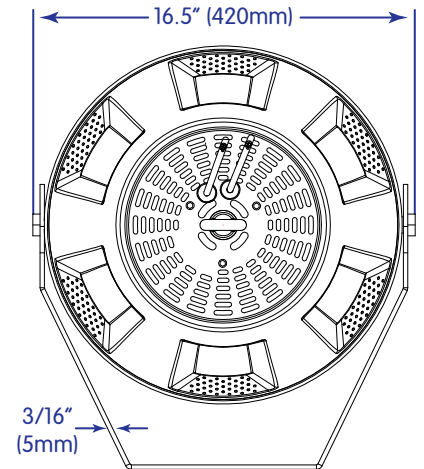
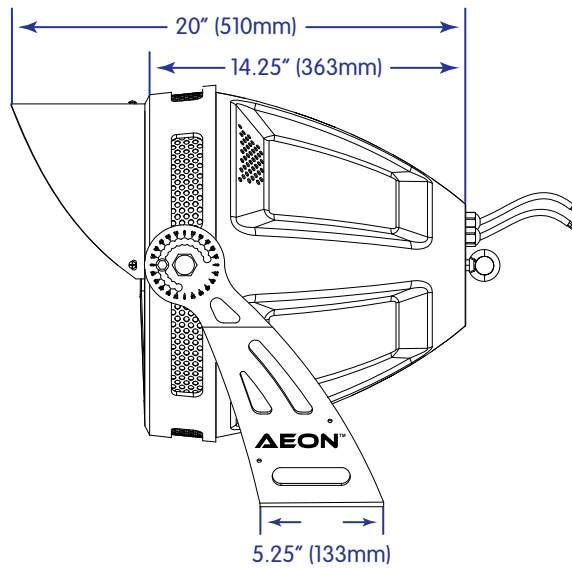
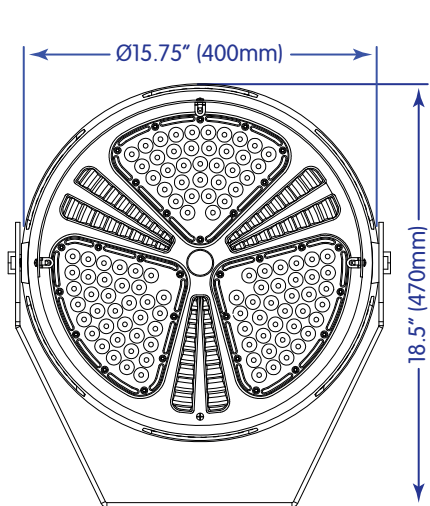
750WD - NEMA 3				
Distance	Max FC		Beam Diameter	
33 ft.	278		12.7 ft.	
66 ft.	70		25.5 ft.	
133 ft.	17		51.0 ft.	
200 ft.	8		76.5 ft.	
300 ft.	4		114.7 ft.	
Beam Angle: 23° Field Angle: 46°				

750WD - NEMA 4				
Distance	Max FC		Beam Diameter	
33 ft.	305		15.1 ft.	
66 ft.	76		30.2 ft.	
133 ft.	19		60.3 ft.	
200 ft.	9		90.4 ft.	
300 ft.	4		135.7 ft.	
Beam Angle: 26° Field Angle: 57°				

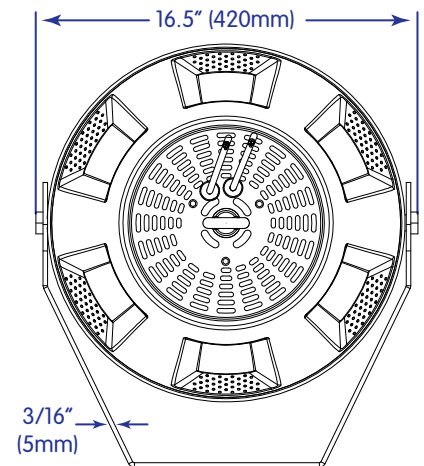
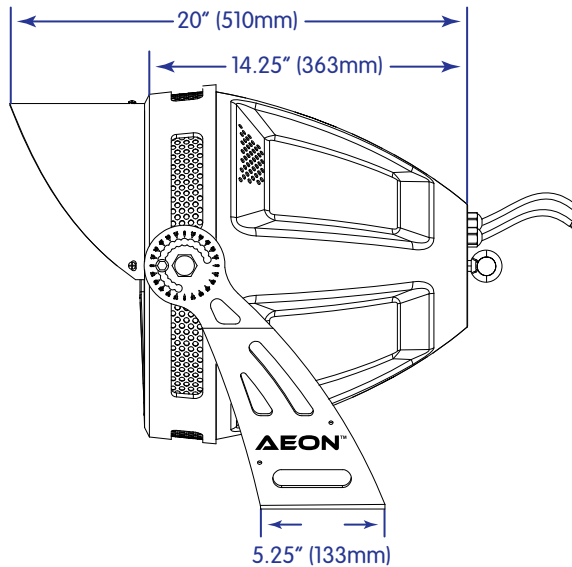
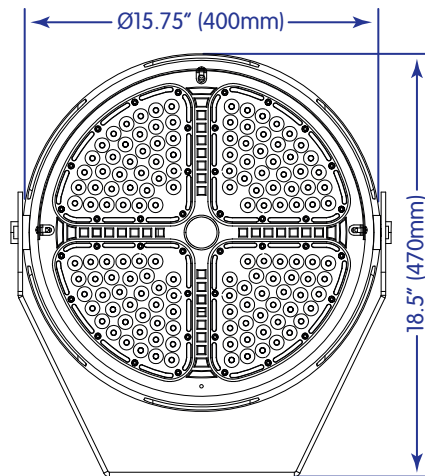
750WD - NEMA 5				
Distance	Max FC		Beam Diameter	
33 ft.	158		22.5 ft.	
66 ft.	39		45.0 ft.	
133 ft.	10		89.9 ft.	
200 ft.	4		134.9 ft.	
300 ft.	2		202.3 ft.	
Beam Angle: 39° Field Angle: 81°				

750WD - NEMA 6				
Distance	Max FC		Beam Diameter	
33 ft.	90		27.6 ft.	
66 ft.	22		55.1 ft.	
133 ft.	6		110.3 ft.	
200 ft.	3		165.4 ft.	
300 ft.	1		248.1 ft.	
Beam Angle: 46° Field Angle: 119°				

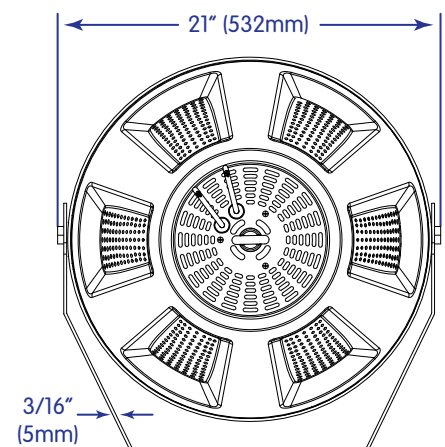
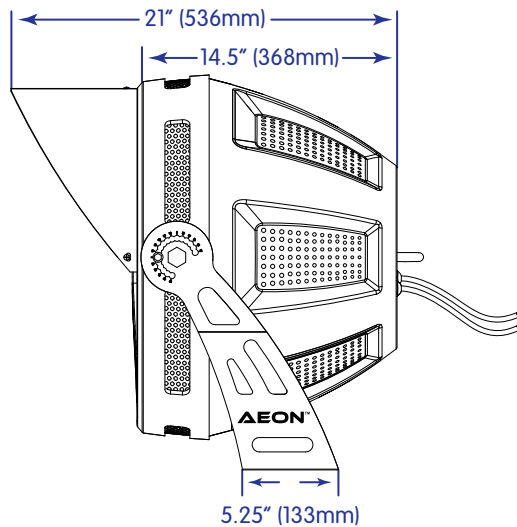
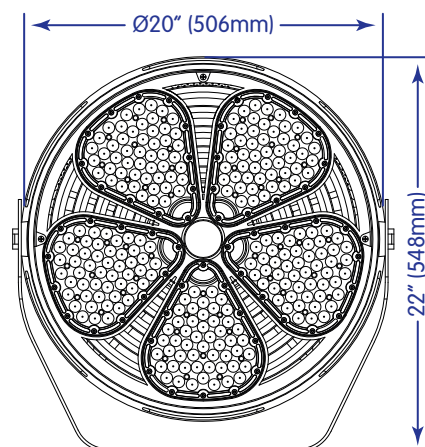
230W Dimensions



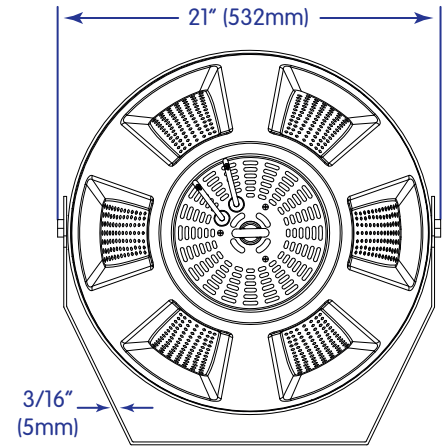
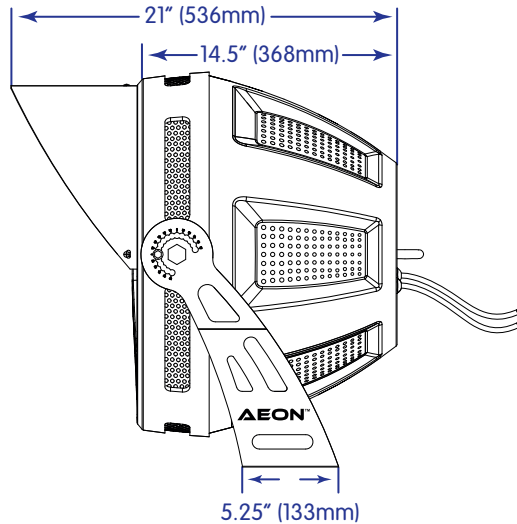
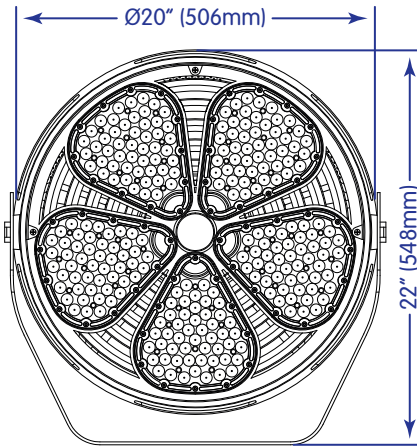
310W Dimensions



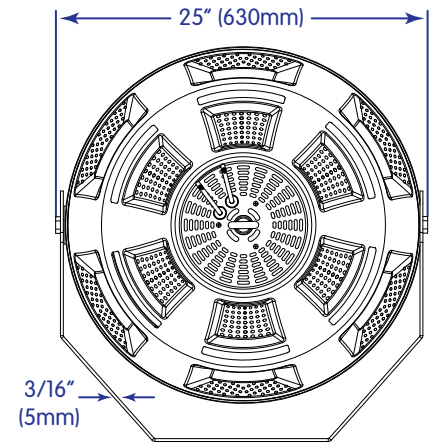
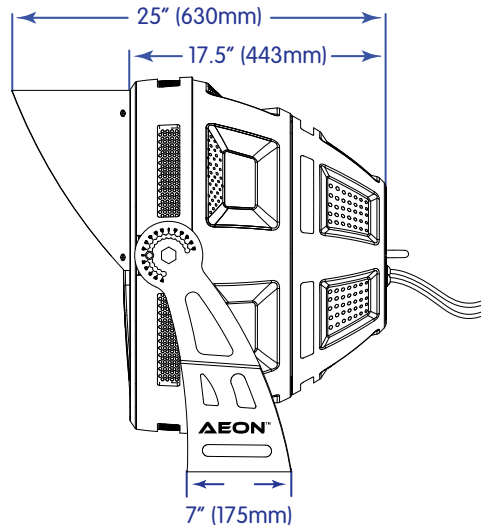
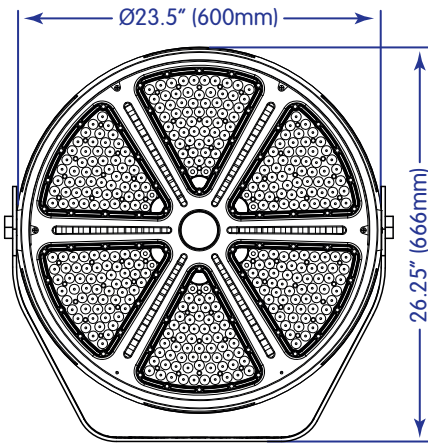
440W Dimensions



520W Dimensions



750W Dimensions



Ordering Nomenclature:

HL	AS		K	N		Z	
COMPANY	SERIES	WATTS	CCT	NEMA SPREAD	VOLTAGE	COLOR	CONTROL OPTIONS
		230WD	50K = 5000K	2	277V = 120V-277V	WH = White	See Lighting Control
		310WD	57K = 5700K	3	480V = 347V-480V	GY = Gray	Options, below
		440WD	Important Note:	4		BK = Black	
		520WD	Standard CCT: 5000K	5		Important Note:	
		750WD	5700K available as	6		Standard Color: White	
			"Special Order" only and			Gray and Black available as	
			with Longer Lead Times			"Special Orders" only and with	
						Longer Lead Times	

Lighting Control Options

LCS = 5 Amp Relay, Enclosed, Terminal Blocks, Dimming Outputs, Sensor Input, Sensor Power Supply

PCK-7 = Photo Control Receptacle Kit Only (Photocell not included)

IPC5 = Integrated Photocell: 5 Amp Relay, IP66 Enclosed, Power Monitoring, NEMA Twist Lock

IPC7 = Integrated Photocell: 5 Amp Relay, IP66 Enclosed, Power Monitoring, External Sensor Input, NEMA Twist Lock

BLC = Board-Level Lighting Controllers

SLG = On-Site Lighting Gateway

DMX = DMX/RDM

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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.