

NGU Sports Lighting, LLC 2401 PGA Blvd., Suite 110 Palm Beach Gardens, FL 33410 lena@ngusportslighting.com www.ngusportslighting.com

OFFER OF BUSINESS

Gainesville, FL 32601

PROJECT NAME

Forest Park LED Sports Lighting New Construction

Offer of Business #: 2022101429

DATE: 11/28/2022

EXPIRATION DATE: 12/19/2022

TO: Peter McNiece City of Gainesville Thomas Center, Building B, 3rd Floor 306 NE Sixth Ave.

SOURCEWELL CONTRACT #: 071619

Following up on the inquiry for Forest Park we are pleased to provide you with an offer of business, for the project located in Gainesville, FL. NGU Sports Lighting provides state of the art LED lighting systems.

NGU Sports Lighting will provide a new solid-state LED sports lighting system for the Sports Park according to lighting design #LD21304J. NGU intends to provide a complete system with material, installation, and project management services including running power from the central location to the base of the poles . This system will incorporate a wireless communication system (AirMesh) with remote control programming for up to eight standard or dynamic scenes and includes operational training.

The new system will include new poles, cross arms and utilizing the Lumasport 8 640 watt fixtures, mounting hardware, an AirMesh wireless control system and a 10-year equipment warranty covering the LED fixtures.

TOTAL PURCHASE PRICE: \$890,000

BILL OF MATERIAL

PART	DESCRIPTION	QUANTITY	LEAD TIME
Fixture(s) Basketball - Mix Use Field 1 Field 2 Field 3 Small Soccer Volleyball	Lumasport -8 640 watt fixtures Lumasport-8 640 watt fixtures Lumasport-8 640 watt fixtures Lumasport-8 640 watt fixtures Lumasport-8 640 watt fixtures Lumasport -8 640 watt fixtures	12 40 40 40 16 6	To be developed, when P.O. is received
CV1	Visors for fixtures with sensitive spill	138	

Infrastructure	60' and 50' direct embedded steel poles,	18	TBD
	cross arms, drop cables and distribution		
	box		
Foundation Design		2	Completed
Installation		1	2-3 weeks
Controls	Air Mesh Hub	2	2 weeks
Project		1	
Management			

Additional items for consideration:

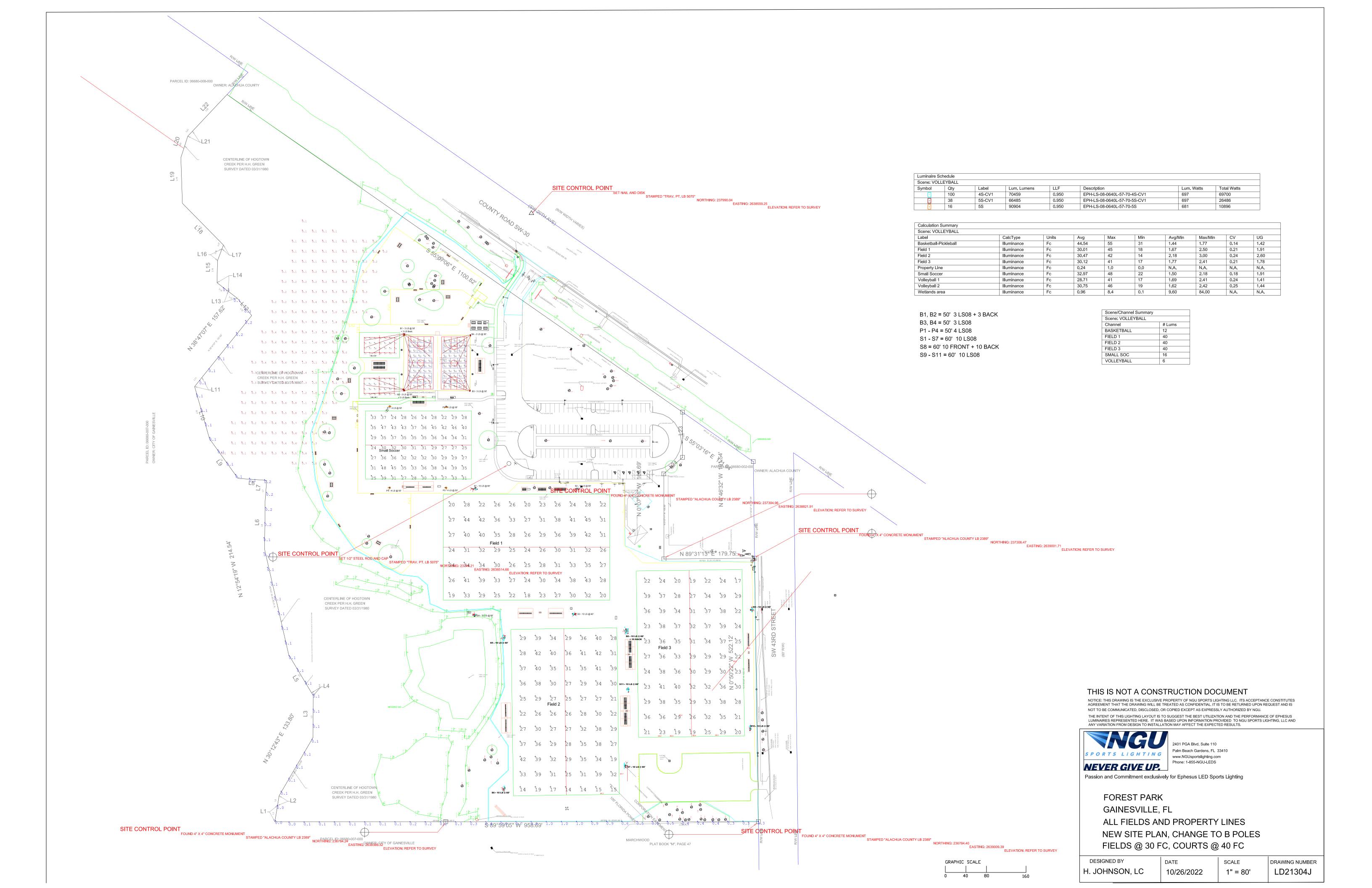
- o The poles have been sized to 150 mph AASHTO 2013 building code requirements, if there is another specified building code a change order may be required.
- One (1) AirMesh Hub(s) included. The HUB can be installed anywhere you need with wireless, push-button control. The hub does not require LAN connection or cellular network for local communication.
- o To operate the lights, when not on the premises, remote connectivity to the HUB is required via Ethernet or cellular service. This is accomplished with a remote management service called Simply Snap Cloud is necessary, which requires a yearly subscription including cell service. **3 Year Pricing** = \$7,200 / Annual Pricing = \$2,800

Important Notes/Terms and Conditions – PLEASE READ

- ✓ The schedule will be developed upon receipt of the order with our customer by a Senior Project Manager dedicated to your project success
- ✓ Price includes delivery to Jobsite using standard shipping methods, additional methods are available, and we would be happy to provide you with a quote for alternate methods
- ✓ Payment Terms in accordance with prompt payment: 50% at time non cancelable material ordered; 35%, when sports light material ships, 15% when sports lights are installed
- ✓ Does not include sales or use tax
- ✓ Permitting or other local ordinance project-related fees are omitted

Please sign in acceptance of	f our offer. The accep	tance is contingent
upon the City Commission a	approving the project.	

Χ	Date



Project	Catalog #	Туре	
Prepared by	Notes	Date	



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Ephesus

LUMASPORT 8

White LED Sports & Entertainment Luminaire

Typical Applications

Pro Arenas • University & Collegiate Arenas • University & Collegiate Stadiums • Multi-Event & Convention Centers • Gymnasiums & Field Houses

Product Certification





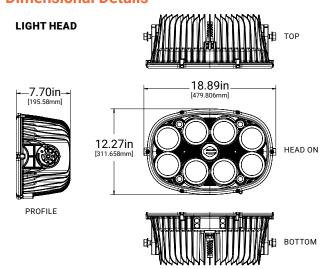


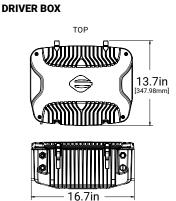


Top Product Features

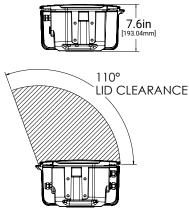
- 55,000 or 90,000 lumen output options
- · Glare and cutoff control via Hybrid Reflector and TIR Optical System
- · Reduce install time with pre-aimable two-piece assembly
- · Virtually eliminate maintenance with power redundancy
- · Industry leading light source reliability with Chip-on-Board LEDs
- Greater than 92% lumen maintenance at 55,000 hours
- · Wireless AirMesh, Wired DMX or sACN controls options to suit your needs
- · Impact Resistant Glass option protects from vandalization and prevents down time in the event of impact to the glass.

Dimensional Details





FRONT



PROFILE





Order Information

NOTE: A complete fixture order requires a selection entry for **Brand, Family, Model, Power Configuration, Color, CCT, CRI, Optic, Light Head Cable (DC), Voltage, Control, Mount Configuration, Power Cable (AC), Options, Packaging, & International Option.**SAMPLE ORDER NUMBER: **EPH-LS-08-0320L-BLK-40-70-1S-C04-HV-LB-LY-A00-HEG-BP-ST**

Brand	Family	Model	Power Configuration	Color	ССТ	CRI	Optic	Light Head Cable (DC)
Brand	Family	Model	Power Configuration	Color ²	сст	CRI	Optic ³	Light Head Cable (DC) ⁵
EPH = Ephesus	LS = Lumasport	08 = 8 Optics	0320L = 320W Local Power ¹ 0640L = 640W Local Power ¹	BLK = Black WHT = White	40 = 4000K 50 = 5000K 57 = 5700K	70 = 70 CRI 80 = 80 CRI	1S = NEMA 3 17.5 33.3 2S = NEMA 3 21.9 40.2 3S = NEMA 3 25.4 45.7 4S = NEMA 4 36.0 64.4 5S = NEMA 5 46.6 82.6 7F ⁴ = NEMA 7 72.5 131.0	C04 = 4ft Cable, Standard C10* = 10ft Cable, Catwalk Bracket
			Notes: (1) Local Power means that the light head is attached to the driver box with the yoke or pendant mount.	Notes: (2) Not coastal rated. Contact Ephesus for coastal fixture options.			Notes: (3) Optic = NEMA TYPE; BEAM ANGLE; FIELD ANGLE. Additional optical performance data within spec sheet. (4)7F = NEMA 7 Optic only available with 0320L = 320W Local Power configuration.	Notes: (5) DC Cable connecting the light head to the driver box. (6) C10 = 10ft Cable is intended to be used with the Ephesus Catwalk Bracket

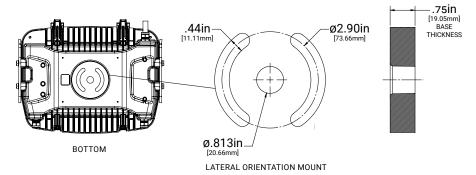
Voltage	Control	Mount Configuration	Power Cable (AC)	Options	Packaging	International Option
Voltage	Control	Mount	Power Cable (AC) ⁷	Options	Packaging	International Option
LV = Low Voltage HV = High Voltage	NC = No Control AM = Wireless AirMesh LB = Wired DMX	LY = Local Yoke LP = Local Pendant	A00 = No Cable, Standard A04 = 4ft Cable A10 = 10ft Cable A15 = 15ft Cable	HEG = No Visor High Efficiency Glass Lens VHE = Visor High Efficiency Glass Lens IRG = No Visor Impact Resistant Glass Lens VIR = Visor Impact Resistant Glass Lens	BP = Bulk Pack	ST = Standard
			Notes: (7) AC Cable connecting the Driver Box to the electrical power source.			

 $Design Lights\ Consortium @\ Qualified.\ Refer\ to\ \underline{www.design lights.org}\ Qualified\ Products\ List\ under\ Family\ Models\ for\ details$

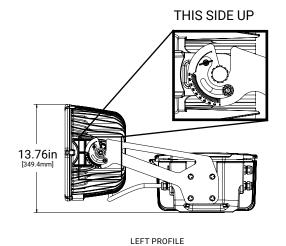


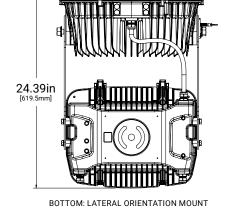
Dimensional and Mounting Details

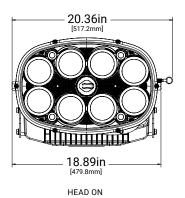
MOUNTING: DRIVER BOX



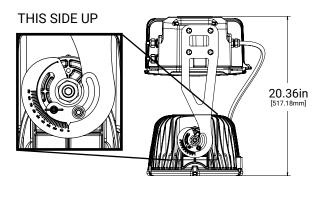
MOUNTING CONFIGURATION: LOCAL YOKE







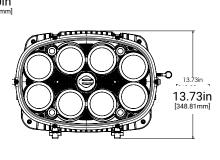
MOUNTING CONFIGURATION: LOCAL PENDANT



7.60in
[193.12mm]

20.36in
[517.18mm]

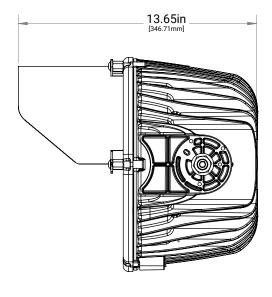
TOP

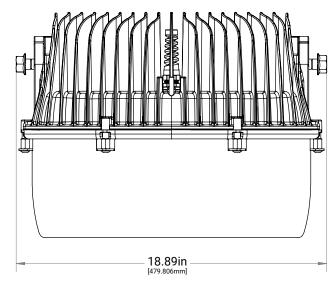


LEFT PROFILE

HEAD ON

VHE & VIR Visor Option





LEFT PROFILE: VISOR

TOP: VISOR

NOTES:

The addition of a visor adds 1lb of material to the luminaire weight.

Performance Data¹

	LUMASPORT 8 (320W)	LUMASPORT 8 (640W)
Lumen Output Range ²	48,303 - 55,419lm	80,572 - 92,929lm
Nominal Power ³	340W	680W
Input Voltage (Low Voltage)	120-277VAC	120-277VAC
Input Voltage (High Voltage)	347-480VAC	347-480VAC
Efficacy Range ²	140.4 - 163.5 lm/W	117.5 - 139.3 lm/W
CRI ⁴	70, 80	70, 80
TLCI ⁵	75	75
CCT Range	4000K, 5000K, 5700K	4000K, 5000K, 5700K
Distribution (NEMA)	3-5,7	3-5
Dimming Range	DIM TO 0FF, 10%-100%	DIM TO OFF, 10%-100%
Operating Temperature Range	-40°C to +40°C	-40°C to +40°C
Usage	INDOOR, OUTDOOR ⁶	INDOOR, OUTDOOR ⁶
Mounting Options (3G RATED)	LOCAL YOKE; LOCAL PENDANT	LOCAL YOKE; LOCAL PENDANT
Electrical Certifications	FCC, UL8750, UL1598, DLC Standard (NANQSV)	FCC, UL8750, UL1598, DLC Standard (NANQSV)
Environmental Certifications	ANSI C136.31-2010 3G, IP66, NEMA4X ⁷	ANSI C136.31-2010 3G, IP66, NEMA4X ⁷
Surge	10kV	10kV
Effective Projected Area (EPA)	1.8 (sq. ft.)	1.8 (sq. ft.)
Effective Projected Area (EPA) with Visor (VHE)8	1.8 - 2.5 (sq. ft.)	1.8 - 2.5 (sq. ft.)
Approximate Weight®	67.5 LBS	71.5 LBS

- (1) Specifications are subject to change without notice.
 (2) Refer to Optical Performance Data.
 (3) Values are +/- 4% when fixture is operated at 25°C ambient
 (4) Values are +/- 2%
 (5) Values are +/- 3 points.
 (6) When driver box is mounted in upright position.
 (7) Light head meets NEMA4X Certification
 (8) EPA may vary depending on the aiming angle of the fixture.
 (9) Weight may vary depending on mounting bracket, VHE Visor option, light head and driver box selection.

Electrical Performance Data

Product	Input Voltage Range (VAC)	Nominal Input Power (W)	Input Current (A)	Power Factor (>60% Load)	THD (>60% Load)	Inrush (A2s)	Inrush period (ms)	Peak Inrush (A)
LS-8-320	120-277	340 (365 Max)	1.3 - 3.0 (4.0 Max)	> 0.9	< 20%	1.9	3.52	150
	347-480	340 (365 Max)	0.7 - 1.0 (1.5 Max)	> 0.9	< 20%	3.87	1.77	70
LS-8-640	120-277	680 (740 Max)	2.5 - 5.9 (8.0 Max)	> 0.9	< 20%	3.8	3.52	300
	347-480	680 (740 Max)	1.5 - 2.0 (3.0 Max)	> 0.9	< 20%	7.74	1.77	140



Project	Catalog #	Туре	
Prepared by	Notes	Date	





Top Product Features

Optical Performance

- AccuLED Optics™: LumaVision utilizes patented and industry leading UV coated AccuLED Optics™ preventing yellowing and degradation over time.
- Glare and Spill Light Control: Nineteen (19) available beam distributions provide the flexibility and performance required for indoor and outdoor
- Dark Sky Compliance Capable: Light your game for the players and the

Reliability

- · Built To Perform: Thermally managed driver and LED housing provides demonstrated reliability confidence.
- L90: With a 90,000+ hour rated life (at greater than 90% lumen maintenance), the LumaVision LED luminaire is designed for long life.

· Take Control of Your System

Compatible with the Ephesus control ecosystem, putting the control of your system in the palm of your hand.

Ease of Installation

6 flexible indoor/outdoor mounting options

Customizable

· 7 factory custom color options.

Accessories

· Custom visors provide additional cutoff and spill light control. Sport specific impact resistance technologies reduce maintenance on the system.

Ephesus

LUMAVISION

White LED Sports & Entertainment Luminaire

Typical Applications

- Aerial and Ground Sports Venues Multi-Event Centers
- Gymnasiums & Field Houses Outdoor Courts Basketball Courts
- Tennis Courts Pickleball Courts Volleyball Courts Playgrounds & Skateparks
- Parks and Recreation Venues Ice Hockey & Skating Arenas

Product Certification







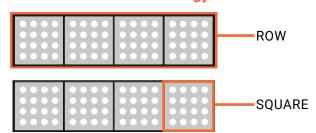




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Product Model Terminology



Model Name	Description		
Luma Vision 3	1 Row, 3 Squares		
Luma Vision 4	1 Row, 4 Squares		
Luma Vision 6	2 Rows, 6 Squares		
Luma Vision 7	2 Rows, 7 Squares		
Luma Vision 8	2 Rows, 8 Squares		





Performance Data¹

	LumaVision 3	LumaVision 4	LumaVision 6	LumaVision 7	LumaVision 8		
Nominal Lumen Output (at 70 CRI) ²	28000	36000	55000	59000	58000		
Nominal Lumen Output (at 90 CRI) ³	20200	26200	39700	42300	41800		
Nominal Power⁴	232	304	464	532	488		
Voltage Range (Low)			120-277VAC				
Voltage Range (High)			347 - 480VAC				
Efficacy (Im/W)	121	119	119	111	119		
CRI ⁵			70, 90 CRI				
TLCI (at 90 CRI) ⁵			92				
CCT Range (at 70 CRI)			3000-6000K				
CCT Range (at 90 CRI)			3000-5000K				
Distribution (NEMA)		Refer to Ord	er Information on page 3 for opti	c options			
Dimming Range			10%-100%				
Operating Temperature Range		-40°C to +40°C					
Usage	INDOOR, OUTDOOR						
Electrical Certifications	FCC Part 15, UL8750, UL1598, DLC STANDARD						
Environmental Certifications	IP66; ANSI C136.31-2010, RoHS						
Surge		61	kV, 10kV (option), 20kV (option)				

With Yoke Weight (LBS) 24.25 26.44 45.93 50.58 50.58 With Pendant (LBS) 24.48 26.28 42.16 45.31 45.31	Luminaire Approximate Weight ⁶	LumaVision 3	LumaVision 4	LumaVision 6	LumaVision 7	LumaVision 8
With Pendant (LBS) 24.48 26.28 42.16 45.31 45.31	With Yoke Weight (LBS)	24.25	26.44	45.93	50.58	50.58
	With Pendant (LBS)	24.48	26.28	42.16	45.31	45.31
With Slipfitter (LBS) 27.8 29.98 45.53 46.49 46.49	With Slipfitter (LBS)	27.8	29.98	45.53	46.49	46.49

Mount Vibration Rating Per ANSI C136.31-2010					
YOKE = Yoke (Standard)	3G				
PNDT = Pendant	N/A				
AAJL = Adjustable arm direct pole mount	3G				
AAJC = Adjustable arm direct pole (cord through housing)	3G				
ADJL = Slipfitter (Leads through slipfitter)	3G				
ADJC= Slipfitter (Cord through housing)	36				

Effective Projected Area (EPA) ^{7 8}	LumaVision 3	LumaVision 4	LumaVision 6	LumaVision 7	LumaVision 8
YOKE = Yoke (Standard)	1.61 (sq. ft.)	1.64 (sq. ft.)	2.38 (sq. ft.)	2.78 (sq. ft.)	2.78 (sq. ft.)
PNDT = Pendant	1.6 (sq. ft.)	1.89 (sq. ft.)	2.34 (sq. ft.)	2.9 (sq. ft.)	2.9 (sq. ft.)
AAJL = Adjustable arm direct pole mount	1.8 (sq. ft.)				
AAJC = Adjustable arm direct pole (cord through housing)	1.8 (sq. ft.)				
ADJL = Slipfitter (Leads through slipfitter)	1.77 (sq. ft.)	2.04 (sq. ft.)	2.47 (sq. ft.)	2.99 (sq. ft.)	2.99 (sq. ft.)
ADJC= Slipfitter (Cord through housing)	1.77 (sq. ft.)	2.04 (sq. ft.)	2.47 (sq. ft.)	2.99 (sq. ft.)	2.99 (sq. ft.)

NOTES:

- (1) Specifications are subject to change without notice
 (2) Based on T4FT lens, 70 CRI, 5000K
 (3) Based on 66 lens, 70 CRI, 5000K
 (4) Values are +/- 5% when fixture is operated at 25°C ambient
 (5) Values are +/- 3 points
 (6) Weight varies depending on mounting bracket, lighthead and driverbox selection
 (7) Calculated with luminaire aimed 45° to the ground
 (8) EPA varies depending on the aiming angle of the fixture



Order Information -

NOTE: A complete fixture order requires a selection entry for **Brand, Family, Model, Drive Current, Voltage, Color, Trim Option, Mount, CRI/CCT, Optic, Control, AC Whip, Surge Options, Construction Options.**

SAMPLE ORDER NUMBER: EPH-VN-08-D-HV-AP-WHT-YOKE-930-11-010-A07-NN-ST

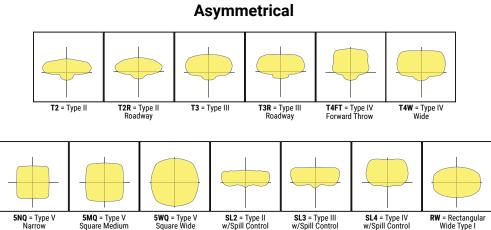
Brand	Family	Model	Drive Current	Voltage	Color	Trim Option	Mount
Brand	Family	Model	Drive Current	Voltage	Color	ССТ	Mount
EPH = Ephesus	VN = LumaVision	03 = 3 Light Squares¹ 04 = 4 Light Squares¹ 06 = 6 Light Squares² 07 = 7 Light Squares² 08 = 8 Light Squares²	D = 1200 mA ³ (8 light square model) E = 1500 mA ⁴ (3, 4, 6, 7 light square models)	HV = High Voltage LV = Low Voltage	AP = Grey (Standard) BK = Black BZ = Bronze WH = White GR = Green GM = Graphite Metallic DP = Dark Platinum	WHT = White (Standard) LCF = Trim painted to match color ^s	YOKE = Yoke (Standard) ⁶ PNDT = Pendant AAJL = Adjustable arm direct pole mount ⁶ AAJC = Adjustable arm direct pole (cord through housing) ⁶ ADJL = Slipfitter (Leads through slipfitter) ⁶ 7 ADJC = Slipfitter (Cord through housing) ⁶ 7
Notes:	Notes:	Notes: (1) Single Bar Configuration (2) Double Bar Configuration	Notes: (3) Standard for 8 light square model, available as reduced drive current option for 3,4,6,7 models with HA or HSS (4) Standard for 3,4,6,7 light square models	Notes: HV = 347-480 VAC LV = 120-277 VAC	Notes:	Notes: (5) LCF Not avilable with optical types 11, 22, 33, 44, 55, 66	Notes: (6)3G Vibration Rated Per ANSI C136.31-2010 (7)Slipfitter mount to fasten luminaire to a 3 inch outer diameter tenon size.

CRI/CCT	Optic	Control	AC Whip	Surge Options	Construction Options
CRI/CCT	Optic	Control	AC Whip ⁹	Surge Options ¹¹	Construction Options
730 = 70CRI, 3000K 735 = 70CRI, 3500K 740 = 70CRI, 4500K 750 = 70CRI, 5000K 760 = 70CRI, 6000K 930 = 90CRI, 3000K 935 = 90CRI, 3500K 940 = 90CRI, 4000K 950 = 90CRI, 5000K	11 = NEMA 1H x 1V* 22 = NEMA 2H x 2V* 33 = NEMA 3H x 3V* 44 = NEMA 3H x 5V* 44 = NEMA 4H x 4V* 55 = NEMA 5H x 5V* 66 = NEMA 6H x 6V* 72 = Type II 72R = Type II Roadway 73 = Type III Roadway 74FT = Type IV Forward Throw 74W = Type IV Wide 5NQ = Type V Narrow 5NQ = Type V Square Medium 5WQ = Type V Square Medium 5WQ = Type II W/Spill Control SL3 = Type II W/Spill Control SL4 = Type IV w/Spill Control RW = Rectangular Wide Type I	010 = 0-10V (Standard) AMS = AirMesh DAL = DALI	NC = No Cord ¹⁰ A05 = 5ft whip A07 = 7ft whip (Standard) A10 = 10ft whip A15 = 15ft whip	NN = None (Standard) 10MSP = Parallel 10kV MOV Surge Protective Device 20MSP = Parallel 20kV MOV Surge Protective Device	ST = Standard HA = 50°C High Ambient ¹² CC = Coastal Construction finish HSS = House Side Shield ¹² ¹³
Notes:	Notes: (8)Optic only available with CRI/CCT 930, 935, 940, 950.	Notes: 010 = 5C/16 BLK Cord AMS = 3C/16 BLK Cord DAL = 5C/16 BLK Cord	Notes: (9) AC Whip connecting the Driver Box to the electrical power source. (10) Applies to ADJL & AAJL Mounting Types only	Notes: (11)Contact ephesus for additional protection options.	Notes: (12) Can not be used with drive current type E = 1500mA (13) Not avilable with optical types 22, 33, 44, 55, 66, 5NQ, 5MQ, 5WQ & RW

DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details

LUMAVISION AccuLED Optics™

Symmetrical 11 = NEMA 1H x 1V 22 = NEMA 2H x 2V 33 = NEMA 3H x 3V 44 = NEMA 4H x 4V 55 = NEMA 5H x 5V 66 = NEMA 6H x 6V





Project	Catalog #	Туре	
Prepared by	Notes	Date	



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Ephesus

AirMesh Hub

Wireless Lighting System Controls

Typical Indoor/Outdoor Applications

- Professional Stadiums & Arenas University/Collegiate Stadiums & Arenas
- K-12 Stadiums & Arenas Game Fields Practice Fields Multi-use Recreational & Municipal Fields • Public Assembly & Convention Centers • Gymnasiums & Field Houses • Unmanned Sports Facilities

Product Certification







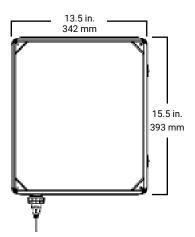


Top Product Features

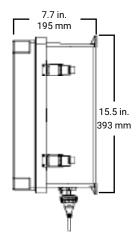
- · Can be installed anywhere you need wireless, push-button control
- · Five-button, pre-programmed switch provides easy control of all lights at specified dimming levels (0%,25%, 50%, 75%, 100%)
- · Can communicate via LAN connection, Wi-Fi, or through a cellular network*
- · Weather-protected for outdoor venues
- · Includes internal surge protection
- · Enables Static and Dynamic Scenes

Dimensional Details

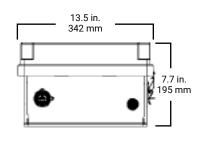
HEAD ON



LEFT PROFILE



BOTTOM



Due to our continuous improvement efforts, specifications are subject to change without notice. *Cellular and/or data charges may apply





Product Overview

The AirMesh Hub is an Ephesus component that can be installed anywhere you need wireless push-button lighting control, such as municipal ballparks, hockey arenas, basketball facilities, and other multi-use complexes. The AirMesh Hub is easy for certified electricians to install in both indoor and outdoor applications that's contained in the NEMA 4X enclosure. The 5-button 25 scenes (5 per button) controller allow for local manual access to facility lighting across specific zones or over the entire lighting installation. The AirMesh Hub enables quick and simple access to a switch station that can be programmed with unlimited options to meet the needs of the end-user.

AirMesh Hub Specifications

Dimensions	15.5" x 13.5" x 7.7" (393 x 342 x 195 mm)
Input Power	Outdoor rated power supply 90-120VAC; 8W max, 6kV surge protection
Operating Environment	Outdoor rated at -20°C to +55°C, IP65 (when latched)
Cellular	Verizon 4G LTE
Wi-Fi	802.11 b/g/n
Radio	SNAP 2.4GHz 802.15.4 Wi-Fi 2.4Ghz 802.11 b/g/n
Certifications	FCC/IC; Tested to CAN/CSA C22.2 No. 60950-1/A2:2014 and UL 60950-1/R:2014-10
Ratings	IP65 ¹²

AirMesh Function	Description
Maximum number of lights controlled by hub	Up to 1000
Maximum distance of fixture from location of hub	500 feet
Maximum allowable distance from one fixture to next	500 feet
Maximum number of programmable pre-set scenes	25 (5 per button)
Individual light control	Preprogrammed via 5-button hub. Additional scenes and light control obtained via web interface with hub
Health monitoring ³	Real-time monitoring of lighting status at the fixture and system level, outage notifications, storage of power consumption, temperature and other system parameters which can be retrieved for later analysis*
Remote Connectivity	Web interface can be accessed by direct Wi-Fi connection or through internet via Ethernet or built-in cellular*
Alerts	Email alerts available when connected to internet via Ethernet or built-in cellular*
Users	User and administrative accounts with multiple permission levels available
Sensors	Voltage-sourcing sensors can be added to the system to turn lights on/off with daylight or occupancy sensors. Multiple output levels in response to light sensors (daylight harvesting)
Map View	Ability to view light state (on/off/ alarm) in graphical map/satellite view
Scheduling	Ability to schedule recurring events at fixed times or based on astronomical clock
Compatibility	Ability to add control modules to existing lighting fixtures to add Air-Mesh functionality to entire facility

NOTES:

Due to our continuous improvement efforts, specifications are subject to change without notice.

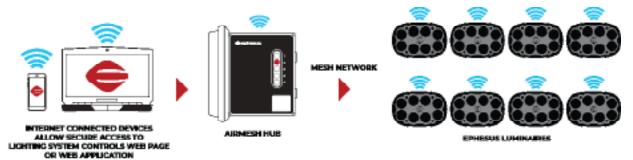
To maintain IP rating of the unit, it must be installed with a IP65/NEMA AX fitting at the power and ethernet entry points

The AirMesh Hub holds a rating of IP65 for outdoor when the door is latched and all entry ports (power and Ethernet)
are properly sealed. Failure to properly seal entry ports and latch the door will void the IP65 rating.

Refer to the functionality of your Ephesus fixture for health monitoring capability and the IP65 rating.

Example System Topology (Wireless AirMesh Controls)

Example system topology showing the LUMASPORT System in a Wireless AirMesh Control Installation. Note: Laptop or mobile device not included. A cellular network connection requires a cellular carrier network plan.





AirMesh Dynamic Scenes

The AirMesh Hub control system can provide dynamic scenes and effects. You can easily create an unlimited combination of static scenes. For example, create scenes to spotlighting national anthems, player introductions, intermissions, blackout your venue, maintenance and egress lighting scenes.

Ephesus Fixture	Luminaire Type	Static Scenes	Dynamic Scenes
LUMASPORT 8	White LED	ON/OFF Dim 10-100% Blackout Individual Light Fixture Control Unlimited Programmable Static Scenes	Paparazzi [Standard & Fast]Sparkle [Standard & Fast]Random
LUMASPORT 16	White LED	ON/OFF Dim 10-100% Blackout Individual Light Fixture Control Unlimited Programmable Static Scenes	Paparazzi [Standard & Fast]Sparkle [Standard & Fast]Random
PRISM RGBA	RGBA Color LED	ON/OFF Dim 0-100% RGBA Color Mixing Blackout Individual Light Fixture Control Unlimited Programmable Static Scenes	 Paparazzi With Color [Standard & Fast] Pinwheel With Color Pinwheel 5 With Color Sparkle With Color [Standard & Fast] Random With Color
ALL FIELD	White LED	 ON/OFF Dim 0-100% Blackout Individual Light Fixture Control Unlimited Programmable Static Scenes 	 Paparazzi Standard & Fast] Pinwheel Pinwheel 5 Sparkle [Standard & Fast] Random
LUMADAPT 8	Integrated White / RGBA Color LED	ON/OFF Dim 0-100% RGBA Color Mixing Color Temperature (CCT) Tuning Beam Angle Tuning Blackout Individual Light Fixture Control Unlimited Programmable Static Scenes	White & RGBA Light Paparazzi [Standard & Fast] Sparkle [Standard & Fast] Random

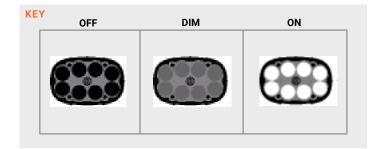




LUMASPORT 8 Dynamic Scenes

White LED

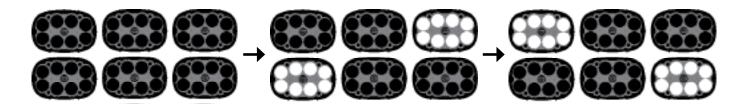
Lumen(lm) Output: 55,000 & 90,000



Paparazzi [Standard & Fast]¹

Each light illuminates briefly in a random manner that resembles paparazzi flash bulbs.

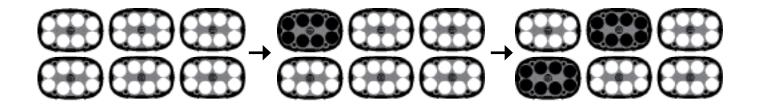
When entering this mode, all fixtures will immediately turn OFF. Fast paparazzi fires faster than standard paparazzi



Sparkle [Standard & Fast]²

Each light illuminates briefly in a random manner mimicking a glittery, sparkling appearance.

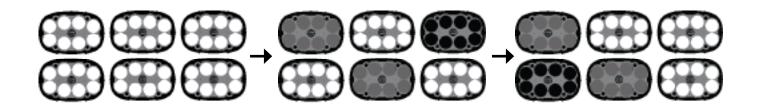
When entering this mode, all fixtures will immediately turn ON. Fast Sparkle fires more rapidly than standard sparkle.



Random

Lights illuminate throughout the installation in a random manner.

All fixtures will immediately turn ON to a random dimming level between 0 and 100%. Every 100 milliseconds, each fixture will change to another random dimming level.



Unless otherwise stated for a particular scene affects independently and the scene will remain in operation until another scene or mode of operation is selected.

For each flash period, a light will have a 10% chance of turning on under Paparazzi, and a 20% chance under Fast Paparazzi. For each flash period, a light will have a 10% chance of turning on under Paparazzi, and a 20% chance under Fast Paparazzi.

 2 For each flash period, a light will have a 10% chance of turning on under Sparkle, and a 20% chance under Fast Sparkle.

