Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



ephesus

LUMASPORT 16

White LED Sports & Entertainment Luminaire

Typical Applications
Pro Stadiums • University & Collegiate Stadiums

Interactive Menu

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Product Certification

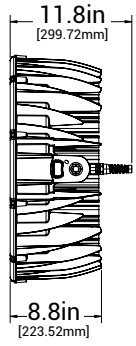
cULus CERTIFIED SAFETY · FC · IP66 · DLC LISTED · TAA · Light ARchitect™

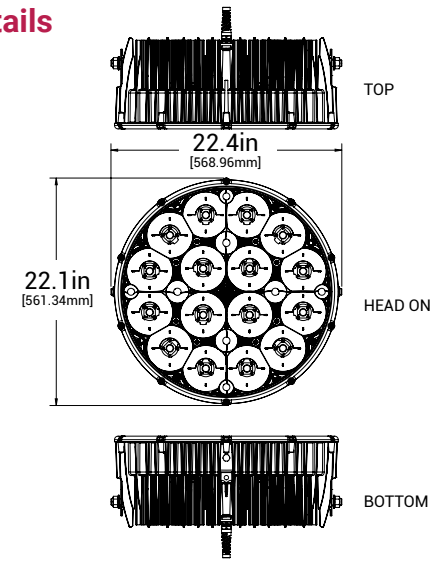
Top Product Features

- 151,000 to 191,000 lumen output options
- Glare and cutoff control with three patented and award-winning optical system solutions
- Reduce install time with pre-aimable two-piece assembly
- Industry leading light source reliability with Chip-on-Board LEDs
- Greater than 80% lumen maintenance at >66,000
- Wired DMX or Wireless AirMesh controls options to suit your needs
- Options to meet Trade Agreements Act requirements

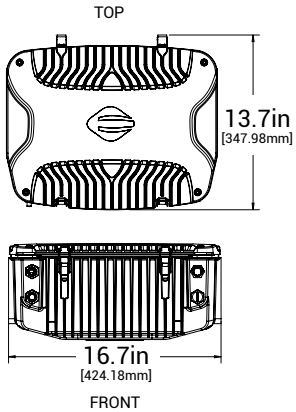
Dimensional Details

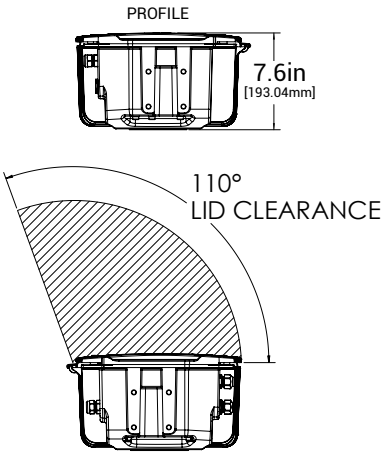
LIGHT HEAD





DRIVER BOX





Installation Instructions

Ordering Information - Luminaire

NOTE: A complete luminaire order requires a selection entry for **Brand, Family, Model, Power, Color, CCT, CRI, Optic, DC Cable, Voltage, Controls, Mount, AC Cable, Options, Packaging, and International Options**.

SAMPLE ORDER NUMBER: **EPH-LS-16-1200L-BLK-57-80-1R-C04-LV-AM-LY-A00-HEG-BP-ST**

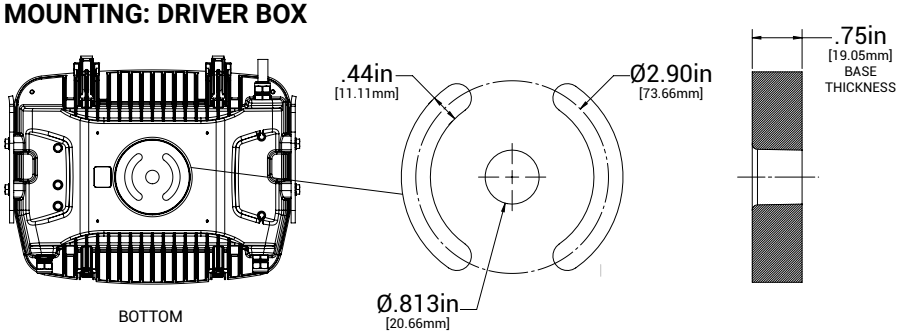
Brand	Family	Model	Power	Color	CCT	CRI	Optic	Light Head Cable (DC)
EPH = Ephesus, Standard **TAA**=Trade Agreements Act[1]	**LS** = LumaSport	**16** = 16 Optics	**1200L** = 1200W Local Power[2]	**BLK** = Black **WHT** = White **GRY** = Grey	**40** = 4000K **57** = 5700K	**70** = 70 CRI **80** = 80 CRI	**1R** = Reflector: NEMA 2 | 11 | 21 **2R** = Reflector: NEMA 3 | 16 | 32 **3R** = Reflector: NEMA 2 | 15 | 27 **4R** = Reflector: NEMA 3 | 19 | 37 **5R** = Reflector: NEMA 3 | 25 | 37 **1L** = Reflector + Louver: NEMA 2 | 11 | 22 **3L** = Reflector + Louver: NEMA 2 | 13 | 27 **5L** = Reflector + Louver: NEMA 3 | 20 | 38 **1S** = Silicone: NEMA 3 | 18 | 34 **2S** = Silicone: NEMA 3 | 22 | 41 **3S** = Silicone: NEMA 3 | 27 | 48 **4S** = Silicone: NEMA 4 | 36 | 67 **5S** = Silicone: NEMA 5 | 47 | 81	**C04** = 2ft Cable, Standard **C10** = 8ft Cable
Notes: (1)Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.			Notes: (2) Local Power means that the light head is attached to the driver box with the yoke mount.	Notes: (3) Not coastal rated. Contact Ephesus for coastal luminaire options.	Notes: (4) 4000K option is available in 70 CRI only		Notes: (5) Optic = NEMA TYPE; BEAM ANGLE; FIELD ANGLE. Additional optical performance data within spec sheet.	Notes: (6) DC Cable connecting the Light Head to the Driver Box. Cable length can have a deviated tolerance of +/- 6inches.

Voltage	Control	Mount	Power Cable (AC)[7]	Options[8]	Packaging	International Options
LV = Low Voltage **HV** = High Voltage	**AM** = Wireless AirMesh **LB** = Wired DMX **NC** = No Control	**LY** = Local Yoke	**A00** = No Cable, Standard **A05** = 3ft Cable **A10** = 8ft Cable **A15** = 13ft Cable	**HEG** = No Visor | High Efficiency Glass Lens	**BP** = Bulk Packaging	**ST** = Standard **CC** = Coastal Construction
:			Notes: (7) AC Cable connecting the Driver Box to the electrical power source. Cable length can have a deviated tolerance of +/- 6inches.	Notes: (8)Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.		

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

Dimensional and Mounting Details

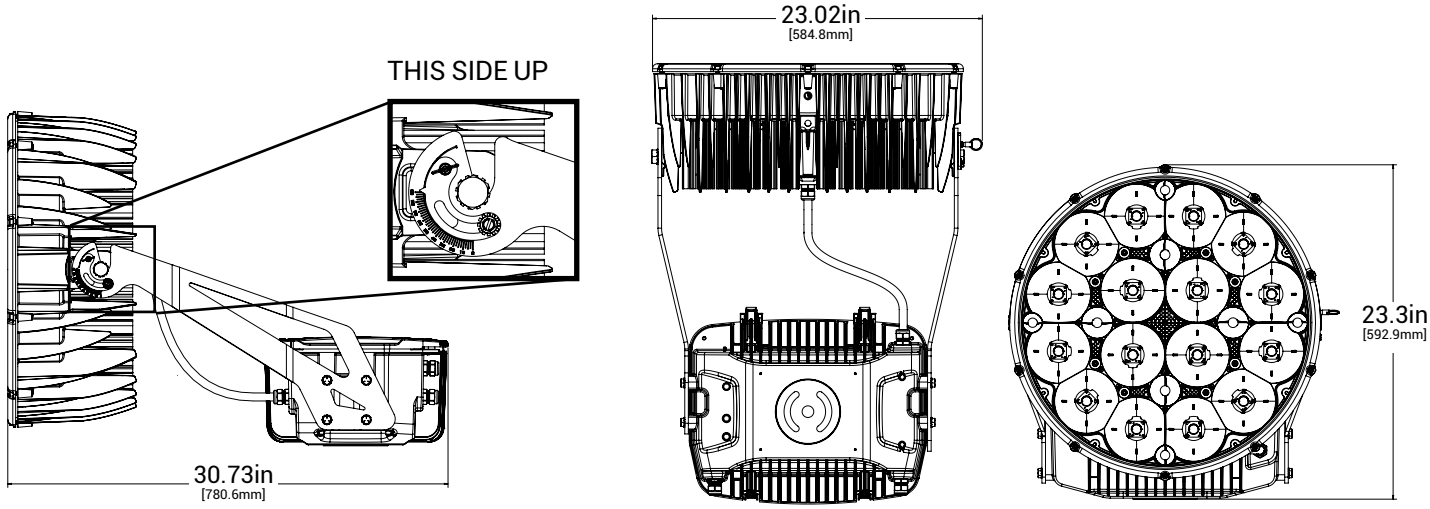
MOUNTING: DRIVER BOX



BOTTOM

LATERAL ORIENTATION MOUNT

MOUNTING CONFIGURATION: LOCAL YOKE



LEFT PROFILE

BOTTOM: LATERAL ORIENTATION MOUNT

HEAD ON

Performance Data[1]

	LUMASPORT 16
Lumen Output Range[2]	151,000lm to 191,000lm
Nominal Power[3]	1290W
Input Voltage (Low Voltage)	208-277VAC
Input Voltage (High Voltage)	347-480VAC
Efficacy Range[2]	117 - 157lm/W
CRI[4]	70, 80
TLCI[3]	75
CCT	4000K, 5700K
Distribution (NEMA)	2, 3, 4, 5
Dimming Range	DIM TO OFF, 10%-100%
Operating Temperature Range	-40°C to +40°C
Usage	INDOOR, OUTDOOR5
Mounting Options (1.5G RATED)	LOCAL YOKE
Electrical Certifications	FCC, UL8750, UL1598, DLC Standard (NANQSV)
Environmental Certifications[6]	ANSI C136.31-2010 1.5G, IP66, NEMA 4X
Surge	10kV
Effective Projected Area (EPA)	2.9 (sq. ft.)
Approximate Weight[7]	94.5 lbs

NOTES:

(1) Specifications are subject to change without notice
(2) Refer to Optical Performance Data
(3) Values are +/- 4% when luminaire is operated at 25°C ambient
(4) All CRI values are minimum 70 and +/- 2%
(5) When driver box is mounted in upright position
(6) Light head meets NEMA4X Certification
(7) Weight may vary depending on mounting bracket, light head and driver box selection

Electrical Performance Data

Product	Input Voltage (VAC)	Surge Protection	Nominal Input Power (W)	Input Current (Arms)	Power Factor (>60% Load)	THDi (>60% Load)	Inrush Period (ms)	Peak Inrush Current (A)
EPH-LS-16-1200L (LV Driver)	120	10KV	1362	11.14	>0.96	<10%	5.1	9.9
	208		1317	4.73			5.1	9.9
	240		1311	4.16			5.9	19.8
EPH-LS-16-1200L (HV Driver)	277		1310	4.71			5.8	23.6
	347		1298	3.73			3.1	24.9
	480		1292	2.75			3.1	24.9

Note:
(1) All values measured at 25°C ambient
(2) Inrush current and period values are calculated as per power supply specification sheet
(3) Nominal input power wattage may vary by 4%
(4) Electrical parameter values may vary for previous and new built fixtures

Ordering Information for Accessories

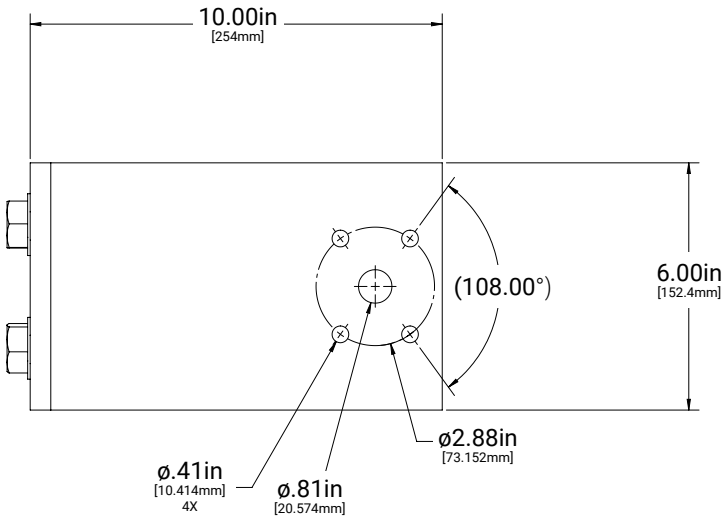
NOTE: A complete accessory order requires a selection entry for **Brand, Accessory, Option**.

SAMPLE ORDER NUMBER: **EPH-HRDM34-025**

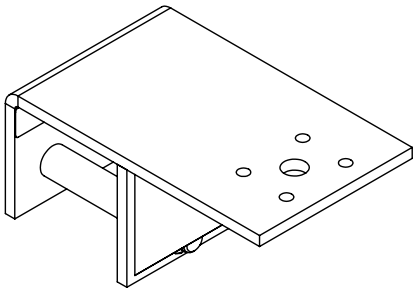
Brand	Accessory	Option

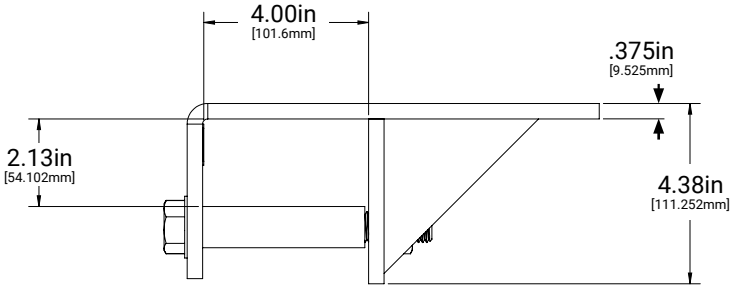
Brand	Accessory	Option	Intended Use
EPH = Ephesus	**DVGBRD** = Diving Board[1]		Designed to be used with the LUMA**SPORT 8**, LUMA**SPORT 16** & LUMADAPT 8 luminaires only.
	HRDM34 = Mounting Hardware 3/4in diameter	**025** = .25in² **075** = .75in² **200** = 2in²	**HRDM34-025:** .25-.50in clamping thickness, use for diving board (DVGBRD) or other flat surfaces drilled for 3/4 hardware **HRDM34-075:** .50-.75in clamping thickness, flat surfaces drilled for 3/4 hardware **HRDM34-200:** 2.00in clamping thickness, use for 2in x 4in Cross arms that are drilled for 3/4 hardware
	Notes: (1) Additional mounting fastener hardware kit needed to attach a luminaire to the **DVGBRD** = Diving Board	Notes: (2) Option only available for use with **HRDM34**	

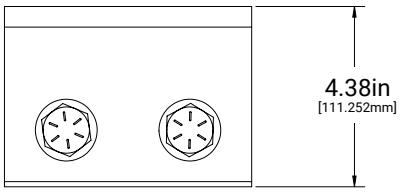
Diving Board (DVGBRD) Dimension and Part Details:



RIGHT PROFILE







Diving Board Data

Model #	Weight (lbs)
DVGBRD	15.1
DVGBRD + HRDM34-025	16.1

Diving Board Parts

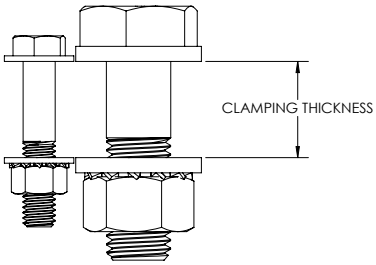
Description	Quantity
Welded Bracket	1
Bolt Sleeve	2
3/4in-10 X 6in Structural Hex Bolt, Hot Dip Galvanized	2
3/4in Steel Flat Washer, Hot Dlp Galvanized	2
3/4in Ext Tooth Washer, Steel, Magni-565 Grey Polycoat	2
3/4in-10 Structural Steel Hex Nut, Hot Dip Galvanized	2
Stainless Shim	1

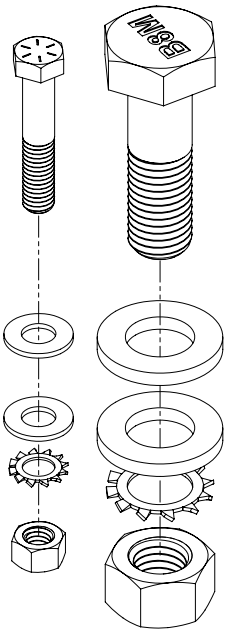
HRDM34 Dimension and Part Details:

HRDM34-025:
.25-.50in clamping thickness, use for diving board (DVGBRD) or other flat surfaces drilled for 3/4 hardware

HRDM34-075:
.50-.75in clamping thickness, flat surfaces drilled for 3/4 hardware

HRDM34-200:
2.00in clamping thickness, use for 2inx4in Cross arms that are drilled for 3/4 hardware



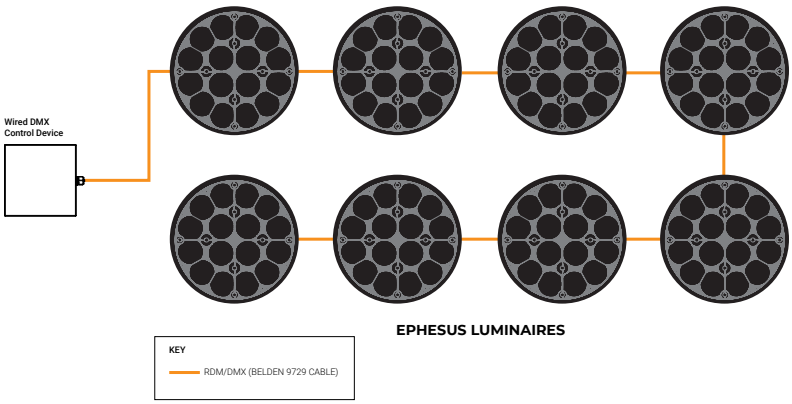


HRDM34 Data

Model #	Weight (lbs)
HRDM34-025	1
HRDM34-075	1.5
HRDM34-200	2

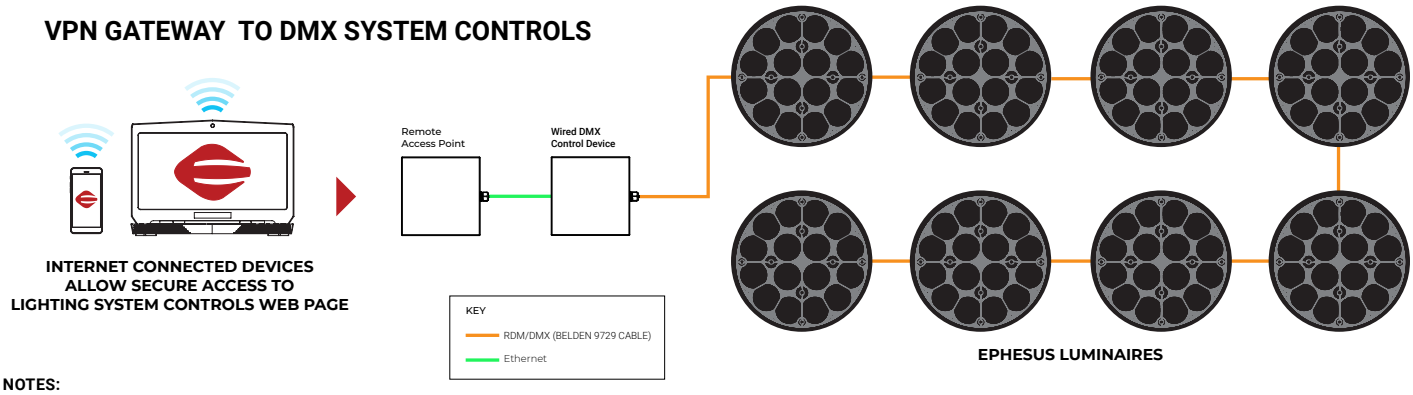
Example System Topology (Wired DMX Controls)

Example system topology showing the LUMA**SPORT 16** System in a commonly used wired DMX Control Installation. Refer to the specifications and limitations of your wired DMX control device before installing this configuration.



Example System Topology (Remote Access Point With Wired DMX Controls)

Example system topology showing the LUMA**SPORT 16** System in a commonly used remote access point with wired DMX Control Installation. Refer to the specifications and limitations of your wired DMX control device before installing this configuration. Note: Laptop and mobile device not included. A cellular network connection requires a cellular carrier network plan.

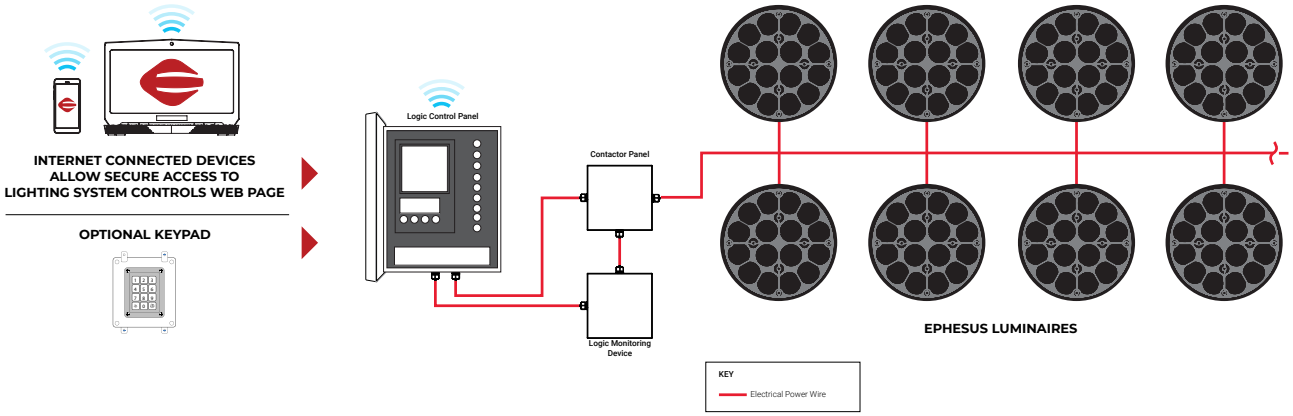


NOTES:

Remote Access Point requires either a wired internet connection at the lighting system site or through a cellular carrier network connection plan.

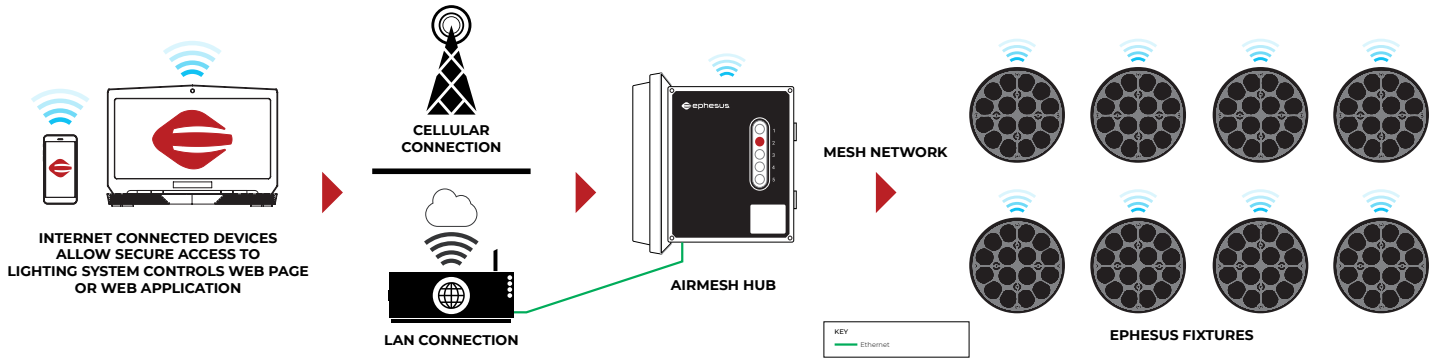
Example System Topology (Contactor Controls)

Example system topology showing the LUMA**SPORT 16** System in a Wired Contactor Controls Installation.
Note: Laptop and mobile device not included. A cellular network connection requires a cellular carrier network plan.



Example System Topology (Wireless AirMesh Controls)

Example system topology showing the LUMA**SPORT 16** System in a Wireless AirMesh Control Installation.
Note: Laptop and mobile device not included. A cellular network connection requires a cellular carrier network plan.



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Specifications and dimensions
subject to change without notice.