Ephesus

Lumadapt 8

Integrated RGBA LED Sports Luminaire

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

🚀 Interactive Menu

Product Certification

Top Product Features

- Wired DMX, Wired Internet Protocol or Wireless AirMesh lighting control options available to accommodate varying venue needs
- Flexible and upgradeable to meet your facility's changing needs
- Optional integrated RGBA color for color flooding, scenes and effects
- Beam tuning optics control light to create wider and narrower beams
- Color temperature tuning for different sports and events
- Near Field Communication allows for easy commissioning on the job site
- Solid state design means no moving parts - maintenance-free operation

Dimensional Details

12.375in [314mm]

18.375in [467mm]

15in [381mm]

9.5in [241mm]
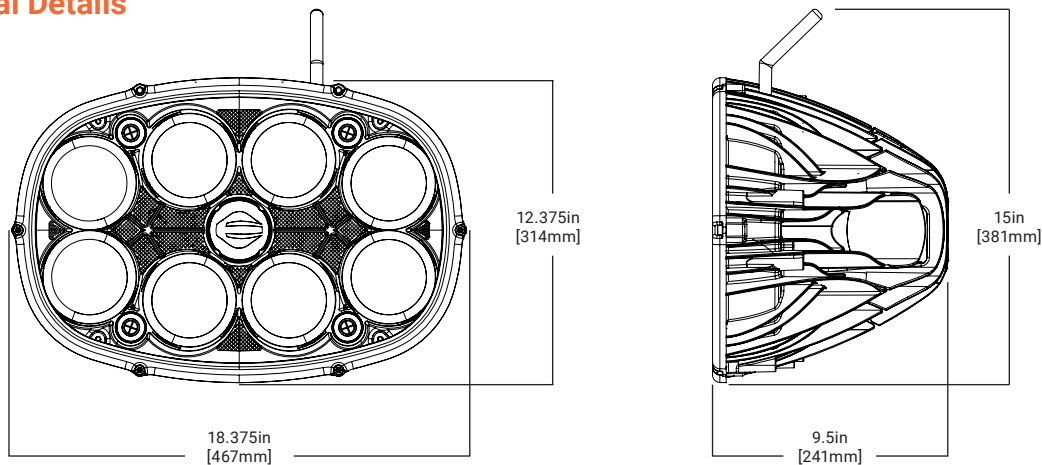
Unit features flexible antenna

🚀 **Installation Instructions**

COOPER Lighting Solutions

Order Information

NOTE: A complete accessory order requires a selection entry for **Brand, Product, Voltage, Optics, LED, Fixture Color and Controls**.
SAMPLE ORDER NUMBER: **EPH-G8-HV-N-PC-BLK-AM**

Brand	Product	Voltage	Optics	LED	Fixture Color	Controls
EPH = Ephesus	**G8** = Lumadapt 8	**HV** = High Voltage **LV** = Low Voltage	**N**=Narrow **W**=Wide	**PC**=Color Tunable White & RGBA	**BLK** = Black **WHT** = White	**AM** = Wireless AirMesh **LB** = Wired DMX **IP** = sACN

Product Specifications

Multiple Control Options
- Wired DMX (UL924 Compliant) and Wireless AirMesh lighting control options address varying venue needs and functionality

Beam Tuning Optics
- Controls light distribution from fixture's light sources for wider and narrower beams

Color Temperature Tuning
- Can be adjusted between warmer and cooler tones for different sports and events

Integrated Color
- Optional integrated RGBA color capabilities for color flooding, scenes and effects

Feedback and Monitoring
- Individual fixture and system level data is stored securely in the data cloud for review of performance and health

Easy Field Commissioning
- Integrated Near Field Communication (NFC) in each fixture allows for communication to unpowered fixtures to set CCT, beam angle and other parameters on the job site

Mounting Options
- A variety of mounting options combined with 360 degree mounting orientation provides flexibility for any installation

Construction
- Solid state design means no moving parts to wear out or replace, providing maintenance-free operation

Performance Data

Lumen output	up to 50,000 lumens
Input wattage / power supply output wattage	440 watts / 400 watts
Input voltage (high voltage)	277-480VAC, 50/60 Hz
Input voltage (low voltage)	120-240VAC, 50/60 Hz
CCT Range [5]	5000K nominal (3000K-6500K optional)
Color lighting	Integrated RGBA
Lumen Output by Color [5]	
Red	325
Green	1950
Blue	277
Amber	1395
CRI [5]	>/= 85 CRI

TLCI [5]	70 min/75 typical TLCI [2]
Dimming range	Full range; 1-100%
Beam angle	NEMA 4 nominal (3-5 optional)
Operating temperature range	-40 degrees C to +50 degrees C
Usage	Indoor
Mounting options (3G rated)	Pendant, yoke
Mounting angle	360 degrees / full range
Electrical certifications	UL 8750, UL 1598
NEMA rating	NEMA 4X
Surge	6kV common mode / 4kV differential mode
Effective Projected Area	1.4 ft sq
Approximate Weight	28 lbs [3]

NOTES:

(1) For proper functionality, Lumadapt 8 fixtures must be sold with other Lumadapt system components.
(2) Higher TLCI fixtures available upon request.

(3) Mounting options and hardware may vary and affect final fixture weight.
(4) Specifications are subject to change without notice.
(5) Values are +/- 2%

Optical Performance Data

| OPTIC	LED SOURCE COLOR	NEMA TYPE	CRI	CCT RANGE	LUMEN RANGE (Lm)	INPUT POWER (W) RANGE	Lm/W RANGE	BEAM ANGLE RANGE	FIELD ANGLE RANGE
NARROW	WHITE	NEMA RANGE 3-5	85	3000K - 6500K	31851-50562	288-433	110.5-116.8	21-55	36-83
	RED		N/A	N/A	285	35.7	8.0	39.8	91.5
	GREEN		N/A	N/A	2003	36.0	55.6	42.2	98.5
	BLUE		N/A	N/A	244	36.2	6.7	40.5	91.7
	AMBER		N/A	N/A	1,350	35.6	37.9	40.9	91.4
WIDE	WHITE	NEMA RANGE 3-5	85	3000K - 6500K	31283-49564	288-433	108.6-114.5	50-77	96-135
	RED		N/A	N/A	271	35.8	7.6	69.6	136.9
	GREEN		N/A	N/A	1907	36.0	53.0	70.1	137.0
	BLUE		N/A	N/A	230	36.2	6.4	74.0	140.8
	AMBER		N/A	N/A	1288	35.6	36.2	70.4	136.4

COOPER Lighting Solutions

Ordering Information for required mounting options and accessories

NOTE: A complete accessory order requires a selection entry for **Brand, Product, Fixture, Fixture Color, Mounting and Junction Box Connection, Power Cable and Packaging**.

SAMPLE ORDER NUMBER: **EPH-G8-BLK-PC-NPC-BP**

| Brand	Product	Fixture Color	Mounting and Junction Box Connection[1]	Power Cable	Packaging
Brand	**Product**	**Fixture Color**	**Mounting and Junction Box Connection[1]**	**Power Cable**	**Packaging**
EPH=Ephesus	**G8**=Lumadapt 8	**BLK**=Black **WHT**=White	**PG**=Pendant mount with cord grip **PC**=Pendant mount with conduit fitting **YG**=Yoke mount with cord grip **YC**=Yoke mount with conduit fitting	**NPC**=No power cable **C10**=10ft cable	**BP**=Bulk Packaging[1]
			Notes		**Notes**
			(1) Junction box not shown. Ordering fixtures without accessories and junction box will result in loss of NEMA4X & IP66 rating		(1) Six items come in each bulk package

Dimensional and Mounting Details

PENDANT MOUNT

YOKE MOUNT
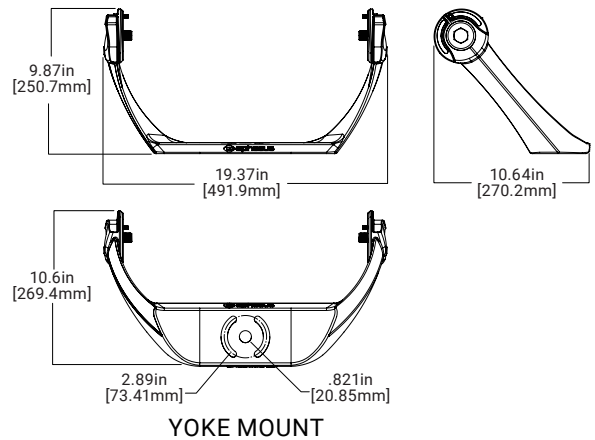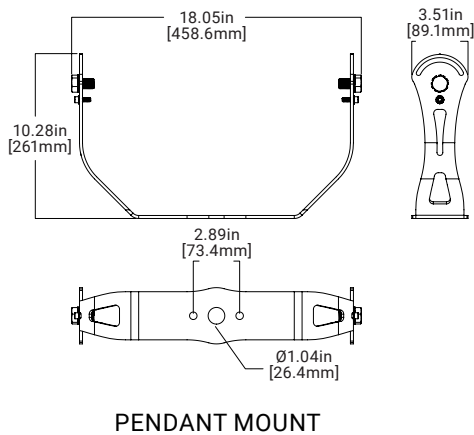
JUNCTION BOX CONNECTION OPTIONS
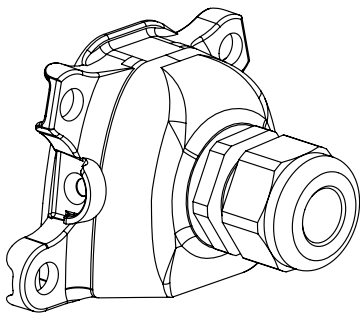
WITH CORD GRIP
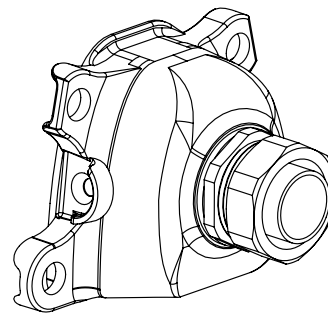
WITH CONDUIT FITTING

Ordering Information for Extension Plate (EXTPLT) Mounting Option and Accessories

NOTE: A complete accessory order requires a selection entry for **Brand, Accessory, Option**.
SAMPLE ORDER NUMBER: **EPH-HRDM58-025**

Brand	Accessory	Option

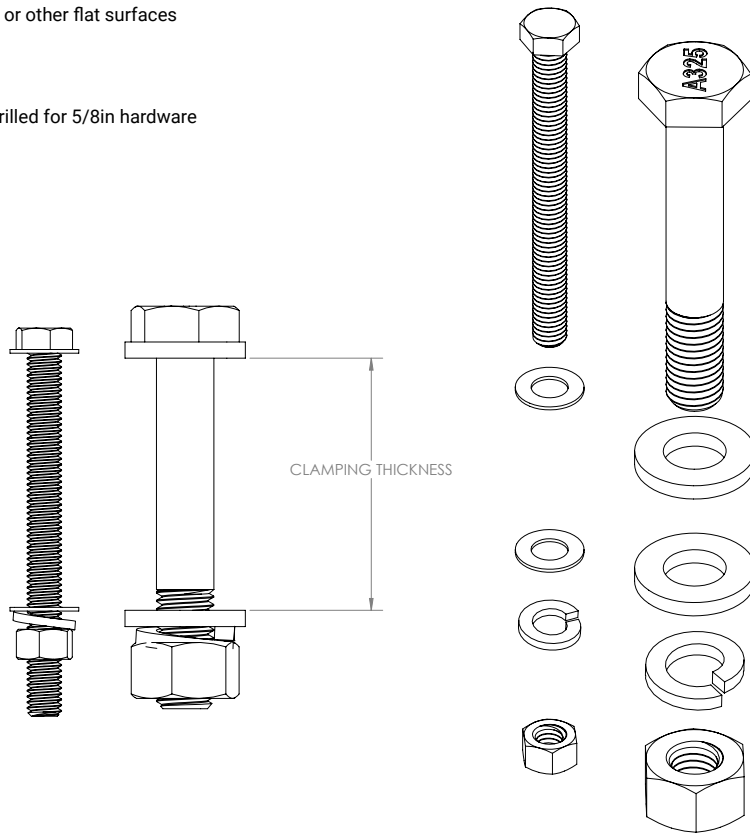| Brand	Accessory	Option	Intended Use
EPH = Ephesus	**EXTPLT** = Extension Plate[1]	**025** = .25in **050** = .5in **200** = 2.0in	Extension Plate Kit to mount to structures .25In, .5In, or 2.00In thick. Designed to be used with the LUMA**SPORT 8**, LUMADAPT 8, PRISM RGBA & ALL FIELD luminaires only.
	HRDM58 = Mounting Hardware 5/8in diameter	**050** = .375in - .50in Range of Clamping Thickness[2] **200** = 2in Clamping Thickness[2]	**HRDM58-050:** .375-.500in clamping thickness, Use for Extension Plate (EXTPLT) or other flat surfaces drilled for 5/8in hardware **HRDM58-200:** 2.00in clamping thickness, use for 2in x 4in Cross arms that are drilled for 5/8in hardware
	Notes: (1) Additional mounting fastener hardware kit needed to attach a fixture to the **EXTPLT** = Extension Plate	Notes: (2) Option only available for use with **HRDM58**	

HRDM58 Dimension and Part Details:

HRDM58-050:

.375-.500in clamping thickness, Use for Extension Plate (EXTPLT) or other flat surfaces drilled for 5/8in hardware

HRDM58-200:

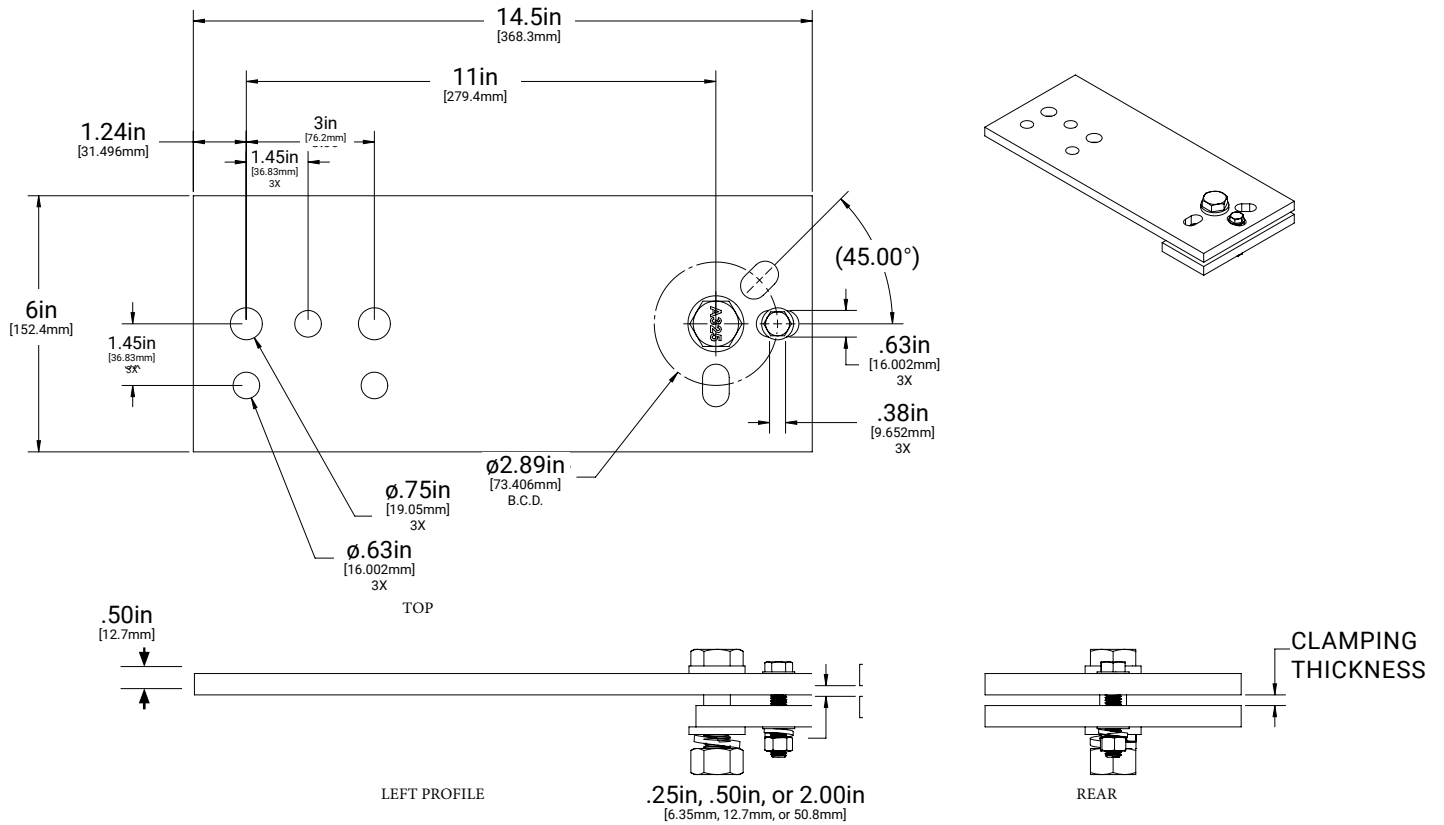2.00in clamping thickness, use for 2in x 4in Cross arms that are drilled for 5/8in hardware

HRDM58 Data

MODEL #	WEIGHT (LBS)
HRDM58-050	.65
HRDM58-200	.84

CLAMPING THICKNESS

COOPER
Lighting Solutions

Extension Plate (EXTPLT) Dimension and Part Details:

TOP

LEFT PROFILE

.25in, .50in, or 2.00in
[6.35mm, 12.7mm, or 50.8mm]

REAR

CLAMPING THICKNESS

Extension Plate Data

MODEL #	WEIGHT (LBS)
EXTPLT	14.63
EXTPLT + HRDM58-050	15.28

Extension Plate Kit Parts

DESCRIPTION	QUANTITY
Extension Plate	1
Washer Plate	1
5/8in Hex Bolt	1
5/8in Washer	2
5/8in-11 Hex Nut	1
5/8in Split Washer	1
3/8in Washer	2
3/8in Hex Bolt	1
3/8in Split Washer	1
3/8in-16 Hex Nut	1

COOPER
Lighting Solutions

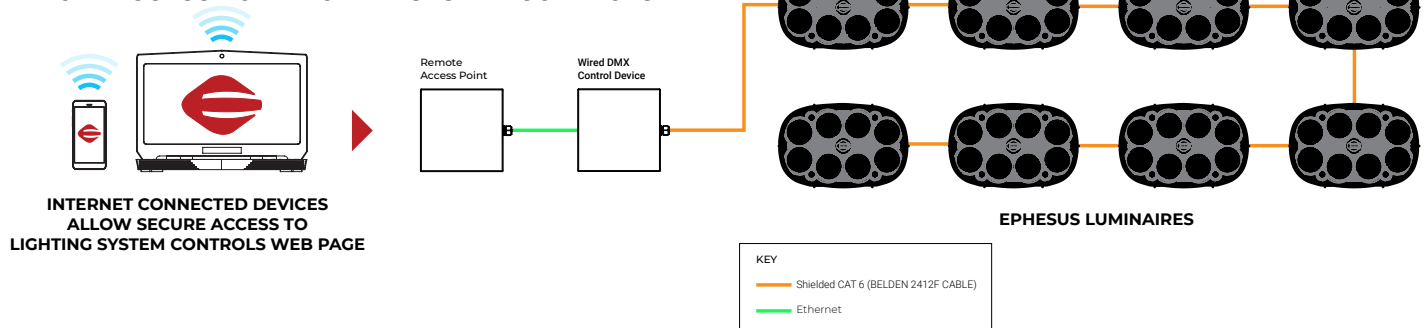## Example System Topology (Wired DMX & Streaming ACN [sACN] Controls)

Example system topology showing the LUMADAPT 8 System in a commonly used wired DMX & sACN Controls installation. Refer to the specifications and limitations of your Wired DMX & sACN Controls Devices before installing either of these two configurations.

Wired DMX
& sACN
Control Device

EPHESUS LUMINAIRES

KEY

— Shielded CAT 6 (BELDEN 2412F Cable)
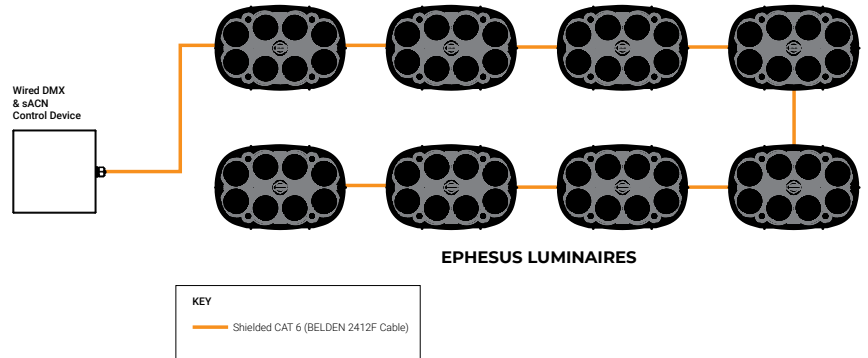
Example System Topology (Remote Access Point With Wired DMX Controls)

Example system topology showing the LUMADAPT 8 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.

REMOTE ACCESS POINT TO DMX SYSTEM CONTROLS

Remote
Access Point

Wired DMX
Control Device

**INTERNET CONNECTED DEVICES
ALLOW SECURE ACCESS TO
LIGHTING SYSTEM CONTROLS WEB PAGE**

EPHESUS LUMINAIRES
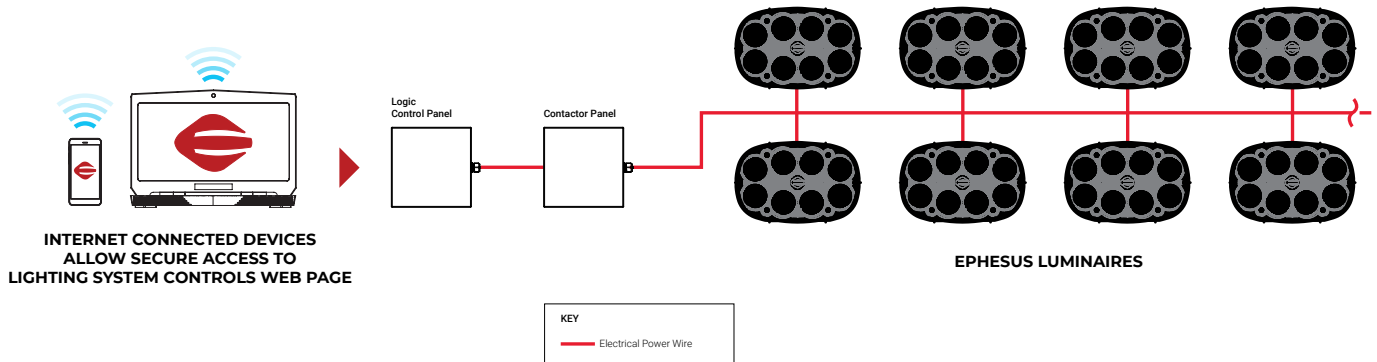
KEY

— Shielded CAT 6 (BELDEN 2412F CABLE)

— Ethernet

NOTES:

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

COOPER
Lighting Solutions

Example System Topology (Contactor Controls)

Example system topology showing the LUMADAPT 8 System in a Wired Contactor Controls installation.
Note: Laptop and mobile device not included. A cellular network connection requires a cellular carrier network plan.

Logic
Control Panel

Contactor Panel

**INTERNET CONNECTED DEVICES
ALLOW SECURE ACCESS TO
LIGHTING SYSTEM CONTROLS WEB PAGE**

EPHESUS LUMINAIRES

KEY

—— Electrical Power Wire

Example System Topology (Wireless AirMesh Controls)

Example system topology showing the LUMADAPT 8 System in a Wireless AirMesh Control installation.
Note: Laptop and mobile device not included. A cellular network connection requires a cellular carrier network plan.

MESH NETWORK

**INTERNET CONNECTED DEVICES
ALLOW SECURE ACCESS TO
LIGHTING SYSTEM CONTROLS WEB PAGE
OR WEB APPLICATION**

AIRMESH HUB

EPHESUS LUMINAIRES

COOPER
Lighting Solutions