ACE LED
ULTRA VALUE LIGHTING
By Linmore LED

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace LED Wall Pack (AW2)

LED WALL PACK

5 YEAR PRODUCT WARRANTY

DLC LISTED PREMIUM | TRUSTED NLB WARRANTY | Bluetooth Ready | c UL us LISTED

IP65 | IK05 | IK06 | 0-10V

Projected L70 up to 150,000 hours

Selectable Wattage and CCT

Integrated switches in the fixture allow to select different output wattage options and three color temperatures: 3000K, 4000K, or 5000K.

Wet Location Rated (IP65)

Perfect for outdoor areas, includes a silicone gasket to ensure dust, water, and contaminants do not enter the fixture.

Integrated Photocell

Standard, installed inside the fixture, On/Off based on ambient light. It can be enabled or disabled with a 2-pin connector.

KEY FEATURES

- Two housing sizes
  SM: 1,800 to 3,900 Lumens
  MD: 5,600 to 15,000 Lumens
- Up to 150 LPW
- Up to 50°C (122°F) Ambient
- Silicon Sealed Gasket
- Rapid Installation
- Easy Open Design
- Emergency Battery Backup (available for MD housing)

FEATURES & SPECIFICATIONS

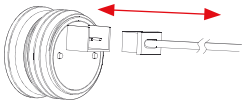
CONSTRUCTION

- **Housing:** SM: Polycarbonate.
  MD: Die-cast aluminum and stainless steel hardware.
- **Housing Color:** Bronze (RAL 8019).
- **Gasket:** Silicone sealed gasket make this fixture virtually impenetrable to contaminants.
- **Power Supply Access:** Hinged removable door for easy maintenance (medium housing).
- **Knockouts (1/2" NPT):** SM: One on the back.
  MD: Five, one on each side and one on the back.

Small Housing (SM)

Medium Housing (MD)

A 2-pin connector inside the fixture allows to enable and disable the photocell



ELECTRICAL

- **Power Input:** SM: 120-277V (50/60Hz).
  MD: 120-277V or 277-480V (50/60Hz).
- **Power Factor:** Greater than 0.9.
- **Total Harmonic Distortion:** Less than 20%.
- **Emergency Battery Backup:** EMB has 8 watts output, producing ~1,200 lumens for a minimum of 90 minutes. Sold as an accessory (field installed). For MD fixture only.

OPERATION

- **Environment:** Wet location for exterior applications. IP65 rated.
- **Ambient Range Operation:** -40°C up to 50°C (-40°F up to 122°F).

OPTICS

- **CCT:** Selectable via switch 3000K, 4000K, 5000K.
- **CRI:** 80+ standard.
- **Lens:** SM: Polycarbonate, prismatic. MD: Glass, prismatic.
- **Beam Angle (50%):** SM: 101°. MD: H95° x V101°.

MOUNTING

- **Mounting:** Fixed mounting plate.
- **Installation:** Built-in level.

CONTROLS[1]

- **Dimming:** 0-10V standard. Dimming range 100% to Off.
- **Photocell Sensor:** Standard, On/Off based on ambient light. Disabled by default. It can be enabled by plugging in a 2-pin connector.
- **Occupancy Sensors:** PIR and Microwave occupancy sensors, On/Off/Dim. EZ-Connect™ Twist Lock System for field installation. Requires installation of elbow mount, sold separately. For MD fixture only. (See Accessories).
- **Networked Lighting Controls:** UltraLink Wireless Controls with Bluetooth® NLC Mesh technology. EZ-Connect™ Twist Lock System for field installation. Requires installation of elbow mount, sold separately. For MD fixture only. (See Accessories).

WARRANTY

- **5 Year Warranty:** The fixture is guaranteed for 5 years free of defects in materials and workmanship, including LEDs and driver. "Defective" is considered if ten percent (10%) or more of the LEDs, per product, are non-operating LEDs, or color temperature has shifted more than 500° Kelvin within the warranty period. See terms and conditions at https://linmoreled.com/warranty

LISTINGS & CERTIFICATIONS

- cUL, UL 1598.
- RoHS compliant.
- IP65 rated. IK06 rated (SM housing), IK05 rated (MD housing).
- DesignLights™ Consortium Premium.

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TECHNICAL SPECS

HOUSING	SELECTABLE WATTS	SELECTABLE CCT	LUMEN OUTPUT	EFFICACY	PART NUMBER
SM	15	3000K	1,800	120	AW20S-A2-ADJ-SM-ADJ-80-PL-LV-FXT-PC-10V
		4000K	1,950	130	
		5000K	1,875	125	
	20	3000K	2,400	120	
		4000K	2,600	130	
		5000K	2,500	125	
	30	3000K	3,600	120	
		4000K	3,900	130	
		5000K	3,750	125	
MD	40	3000K	5,600	140	AW20S-A2-ADJ-MD-ADJ-80-PL-LV-FXT-PC-10V
		4000K	6,000	150	
		5000K	5,600	140	
	60	3000K	8,400	140	
		4000K	9,000	150	
		5000K	8,400	140	
	80	3000K	11,200	140	
		4000K	12,000	150	
		5000K	11,200	140	
	100	3000K	14,000	140	
		4000K	15,000	150	
		5000K	14,000	140	

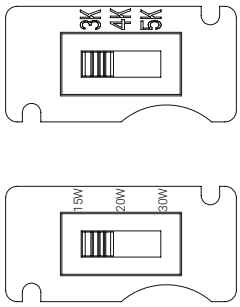
Typical lumen output (±10%) at 277V (LV) under 25°C ambient temperature.

Selectable Wattage and Color Temperature

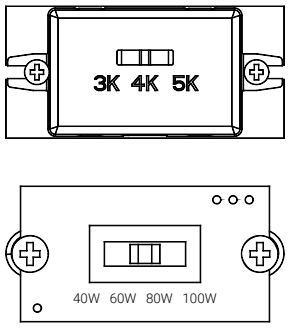
Fixtures ship from the factory with the highest wattage and 5000K CCT, to change these settings:

1. Turn off the fixture.
2. Open the fixture by loosening locking screws.
3. Adjust the corresponding dip switches to desired wattage and CCT.
4. Close the fixture and secure by tightening the screws.

SM Housing



MD Housing



BUG RATINGS	
SM	B1-U3-G1
MD	B2-U2-G2

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ORDERING

SERIES MODEL - COMPLIANCE - LUMENS - HOUSING	COLOR TEMP	CRI	LENS	VOLTAGE
AW20S-A2-ADJ-SM **AW20S-A2-ADJ-MD**	**ADJ** Adjustable (selectable): 3000K, 4000K, 5000K	**80** 80+ CRI	**PL** Prismatic lens	**LV** 120-277V **HV** 277-480V (MD only)

MOUNTING	SENSORS	DIMMING
FXT Full fixture	**PC** Photocell (standard)	**10V** 0-10V

Ordering Example: AW20S-A2-ADJ-MD-ADJ-80-PL-LV-FXT-PC-10V

ACCESSORIES

Must be ordered separately. Packaged separately.

FIXTURE ACCESSORIES

Part Number	Type	Description
AW2-CS	Cutoff Shield	Cutoff Shield for MD fixture only.
AW2-EMB-08W	Battery Backup	Emergency Backup Driver with Battery, 8W, 90 minutes, field install. For MD fixture only.
ELBOW-BK-EZ10	Elbow Mount	Elbow Mount. Black Color. Adds an EZ-Connect Receptacle with Twist Lock System to fixtures with a 1/2" NPT knock out. Field installed. For MD fixture only.

*Black color may have an extended lead time, contact sales.

ELBOW-BK-EZ10

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BASIC CONTROLS

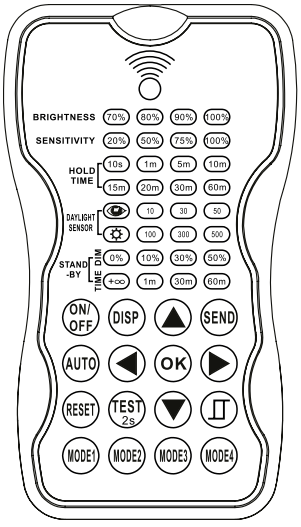
Controls are field installed, must be ordered as a new line item and will ship in a separate box.

BASIC SENSORS

	Part Number	Description
	PC-BK-EZ10	Photocell, Black Color, EZ-Connect Twist Lock System, Plug & Play, Field installed.
	PIR-BK-EZ10	PIR Occupancy and Daylight Sensor, Black Color, EZ-Connect Twist Lock System, Plug & Play, On/Off/Dim, 40' Max Mounting Height, IP65. Field installed.
	MW-BK-EZ10	Microwave Occupancy and Daylight Sensor, Black Color, EZ-Connect Twist Lock System, Plug & Play, On/Off/Dim, 40' Max Mounting Height, IP65. Field installed.
	SEN-PROG	Infrared Remote Programmer for Occupancy Sensors. Required to change default settings, modes of operation, and detection sensitivity for all EZ10 basic sensors.

DEFAULT SETTINGS

For PIR and MW Sensors: Sensitivity=100%, Hold time=5min, Daylight sensor=disabled, Stand-by dim level=30%, Stand-by time=60min.



INFRARED REMOTE PROGRAMMER

Required to change default settings, modes of operation, and sensitivity.

Brightness	Light output during occupancy (70%, 80%, 90%, 100%).		**Daylight harvesting function.** Selects the current surrounding lux value as the daylight threshold.
Sensitivity	Detection area of the sensor (20%, 50%, 75%, 100%).		**Daylight sensor disabled.** All motion detected turns on the light, no matter how bright the natural light is.
Hold Time	Time the sensor waits to turn off or dim the light after the area is vacated.	**Stand-by Dim**	Light output during vacancy (0%, 10%, 30%, 50%).
Daylight Sensor	Daylight sensor status and daylight threshold values in lux.	**Stand-by Time**	Time the sensor keeps the light at stand-by dim level after the hold time has ellapsed.

Scene Modes

The remote comes with four pre-programmed modes. These can be used as is, or adjusted with different parameters and saved over an existing mode.

Scene	Application	Brightness	Sensitivity	Hold Time	Stand-by Dim	Stand-by Time	Daylight Sensor
MODE 1	Indoor	100%	75%	5min	30%	30min	Disabled
MODE 2	Indoor	100%	75%	1min	30%	+∞	Disabled
MODE 3	Indoor	100%	75%	5min	30%	30min	30lux
MODE 4	Outdoor	100%	75%	1min	30%	+∞	30lux/300lux

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ULTRALINK BLUETOOTH CONTROLS

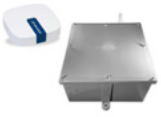
Linmore LED ULTRALINK WIRELESS CONTROLS SIMPLIFIED

Controls are field installed, must be ordered as a new line item and will ship in a separate box.

ULTRALINK CONTROLLERS / SENSORS

	Part Number	Description
	ULTRA-BK-EZ10	UltraLink Bluetooth NLC Wireless Receiver and Fixture Controller, Black Color, EZ-Connect Twist Lock System, IP65, Silvair Firmware. Field installed.
	ULTRAHGA-CL-EZ10	UltraLink Bluetooth NLC Wireless Receiver and Fixture Controller with Long Range Antenna, Clear Color, EZ-Connect Twist Lock System, IP65, Silvair Firmware. Field installed.
	ULTRAPIR-BK-EZ10	UltraLink Bluetooth NLC Wireless Fixture Controller with PIR Occupancy and Daylight Sensor, Black Color, EZ-Connect Twist Lock System, 40' Max Mounting Height, IP65, Silvair Firmware. Field installed.
	ULTRAMW-BK-EZ10	UltraLink Bluetooth NLC Wireless Fixture Controller with Microwave Occupancy and Daylight Sensor, Black Color, EZ-Connect Twist Lock System, 40' Max Mounting Height, IP65, Silvair Firmware. Field installed.
	SEN-PROG	Infrared Remote Programmer for Occupancy Sensors. Only required for EZ10 UltraLink sensors to change detection sensitivity.

ULTRALINK ACCESSORIES

	Part Number	Description
	ULTRAGATEWAY	UltraLink Bluetooth NLC Wireless Gateway, required for Advanced Features and Time-Based Events. One gateway can control up to 200 fixtures, allowing for energy monitoring, people tracking, and scheduling. Interior installation only.
	**ULTRAGATEWAY-EXT**	UltraLink Bluetooth NLC Wireless Exterior Rated Gateway Box with Long Range Antenna, includes ULTRAGATEWAY. 120-277V Power Supply required.
	ULTRATIME-BAT	UltraLink Bluetooth NLC Time-Keeping Battery Backup includes an Outdoor Rated Enclosure, a Long Range Antenna and a Backup Battery. For use to keep time during a power outage and for in-node scheduling.
	ULTRADASH	UltraLink Dashboards for Energy, Occupancy Heat Mapping, and Energy Heat Mapping. Gateway (ULTRAGATEWAY) required, sold separately.

Bluetooth® NLC

Technology Partner SILVAIR

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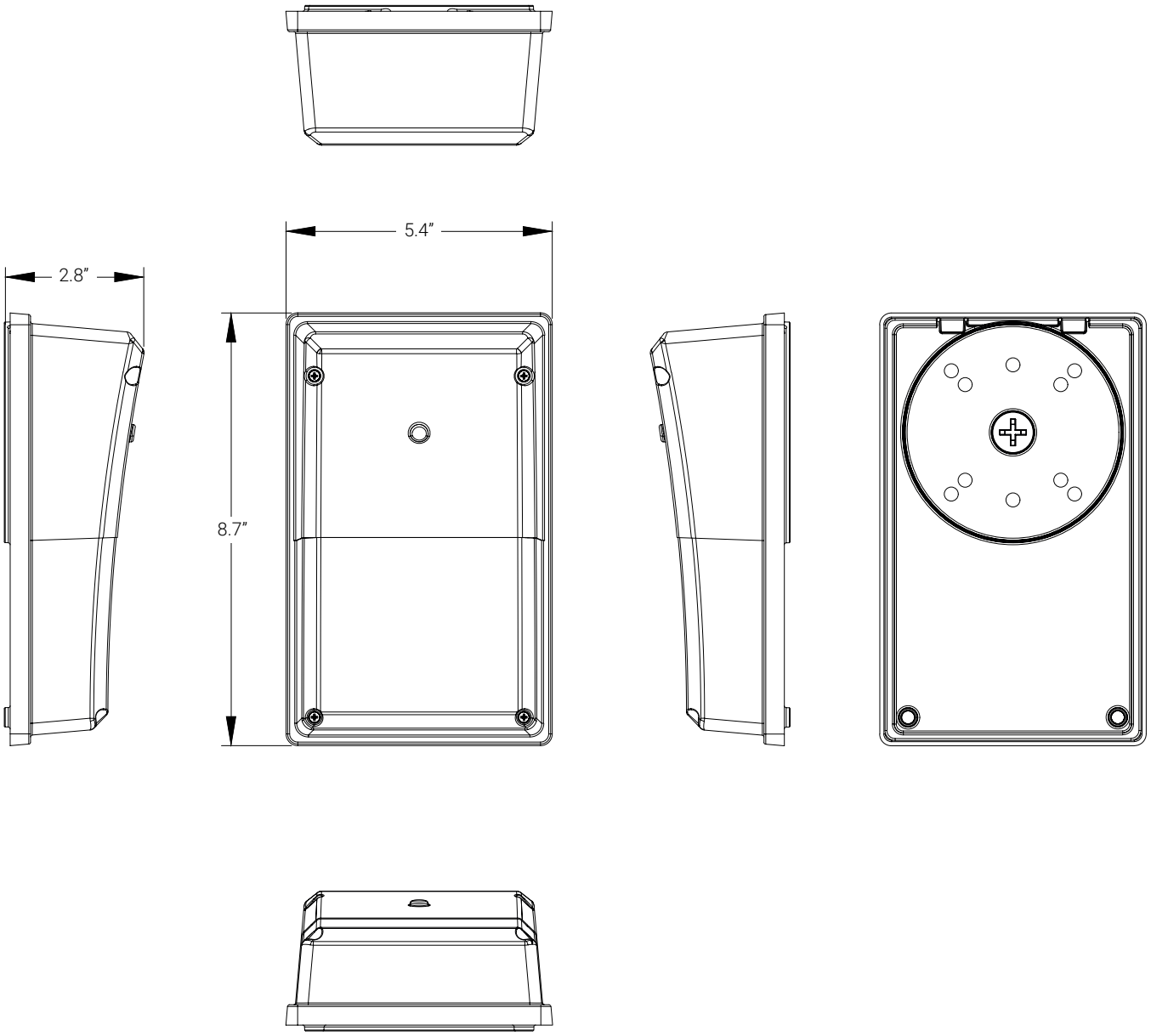
DIMENSIONS & DRAWINGS

SM Housing



Weight (lb)
~1.5

Dimension tolerances: ± 0.2”. Weights are approximate and vary depending on accessories used, if weight is a concern, please contact factory.

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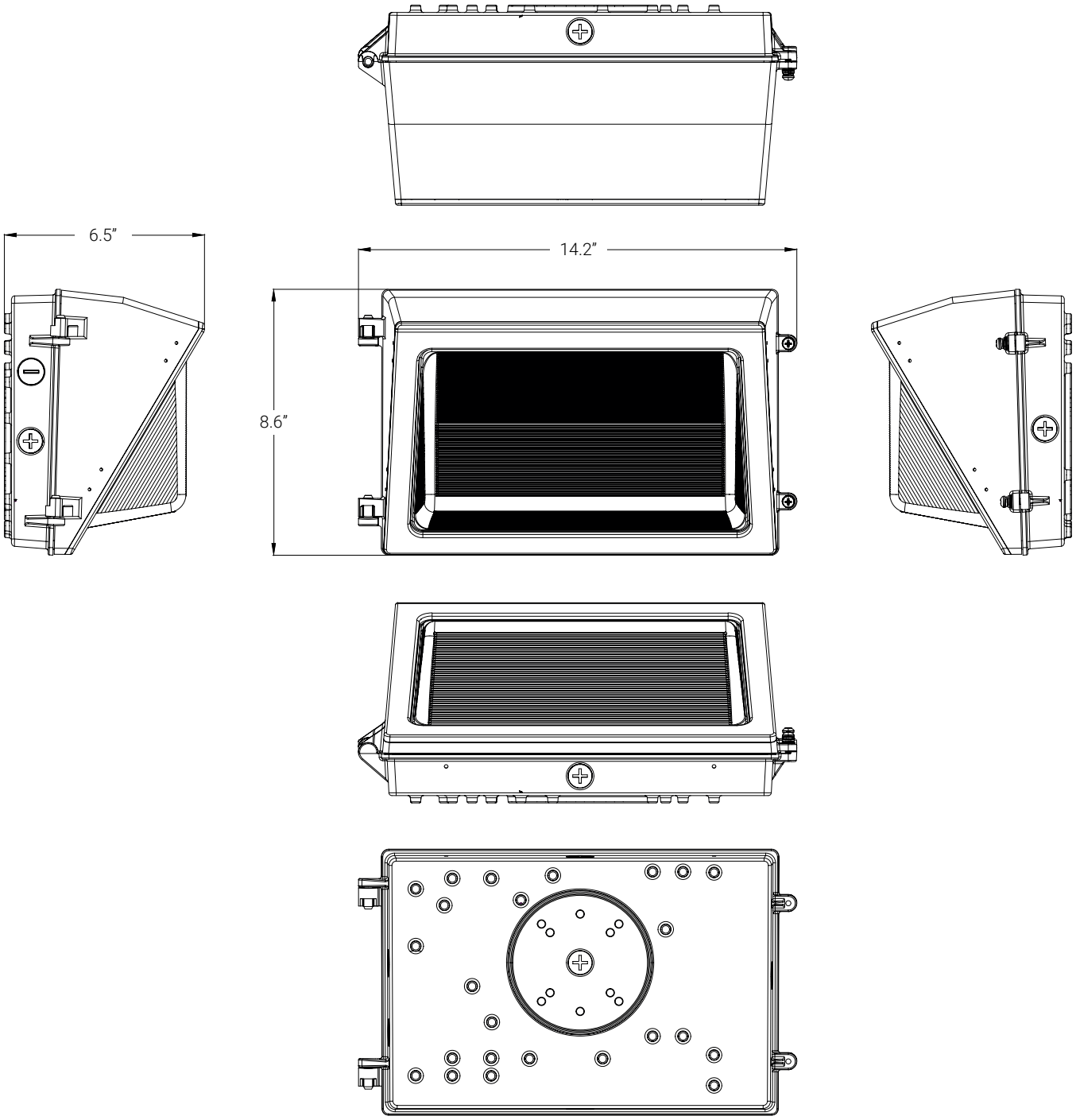
DIMENSIONS & DRAWINGS

MD Housing



Weight
~8.0 lbs

Dimension tolerances: ± 0.2". Weights are approximate and vary depending on accessories used, if weight is a concern, please contact factory.

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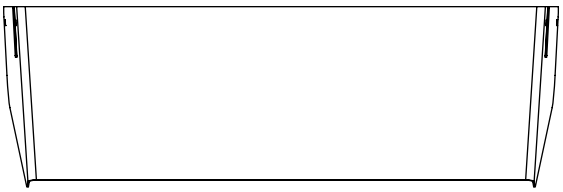
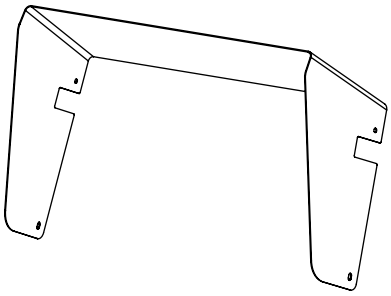
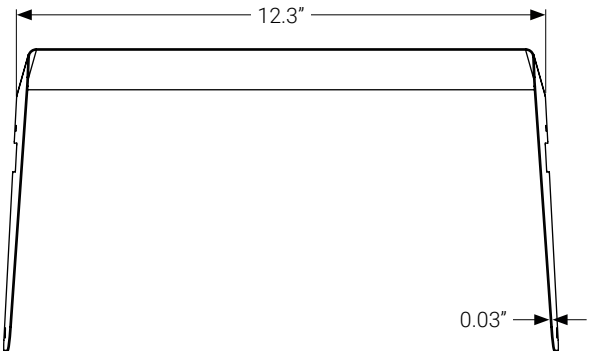
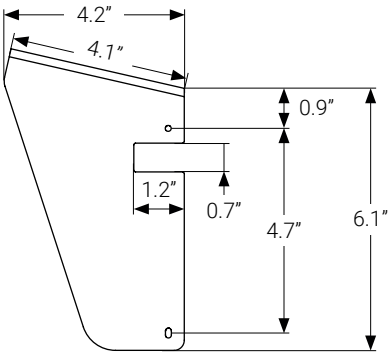
DIMENSIONS & DRAWINGS

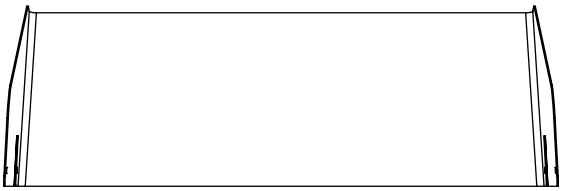
Cutoff Shield (AW2-CS)











FOOTNOTES

1. The performance of sensors and lenses is influenced by various factors beyond Linmore LED’s control, including but not limited to environmental conditions, user settings, and proper maintenance. While we provide detailed specifications and guidelines to help optimize performance, we cannot guarantee or be held liable for the performance of sensors or lenses under any particular circumstance(s). Customers are advised to test the products in their specific application environments to ensure suitability for their intended use and are responsible for all sensor and lens selections.

2. Requires installation of elbow mount, sold separately. For MD fixture only. (See Accessories).

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LinmoreLED
ULTRA PERFORMANCE LIGHTING

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