

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace LED Wall Pack (AW2)

LED WALL PACK



IP65



IK05



IK06

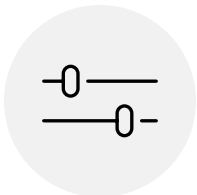


0-10V

Projected L70 up to 150,000 hours

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)



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.

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.

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 produces ~1,200 lumens for a minimum of 90 minutes. EMB has 8 watts output. Sold as an accessory (field installed). For MD fixture only.

OPERATION

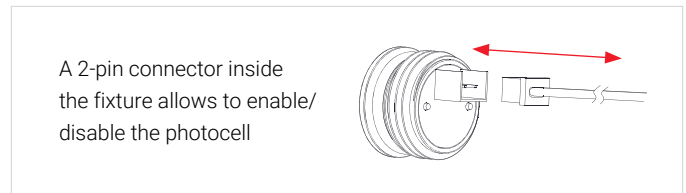
- **Environment:** Wet location for exterior applications. IP65 rated.
- **Ambient Range Operation:** -40°C up to 50°C
(-40°F up to 122°F).

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

- **Dimming:** 0-10V standard. Dimming range 100% to Off.
- **Photocell:** Standard, On/Off based on ambient light. Disabled by default. It can be enabled by plugging in a 2-pin connector.
- **Occupancy Sensors:** Z10 Plug & Play field installed sensors available. Requires installation of elbow mount, sold separately. For MD fixture only.
- **UltraLink Bluetooth® Controls:** Z10 Plug & Play field installed wireless advanced controls available. Requires installation of elbow mount, sold separately. For MD fixture only.

WARRANTY

- **Standard:** 5-year product warranty.

LISTINGS & CERTIFICATIONS

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



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	

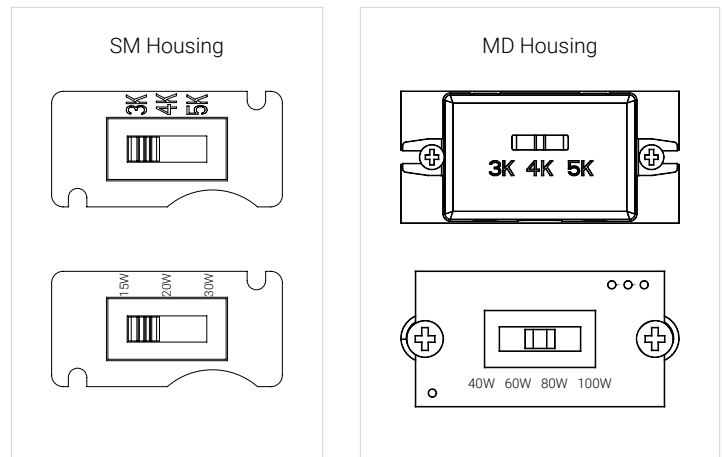
Typical lumen output ($\pm 10\%$) at 277V (LV) under 25°C ambient temperature.

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.

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



ORDERING

SERIES MODEL - COMPLIANCE - LUMENS - HOUSING	COLOR TEMP	CRI	LENS	VOLTAGE	MOUNTING
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)	FXT Full fixture

SENSORS	DIMMING
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
ELBOW-Z10R	Elbow Mount	Elbow Mount with Z10 Receptacle for Plug & Play Controls. Field installed. For MD fixture only.
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.

BASIC CONTROLS

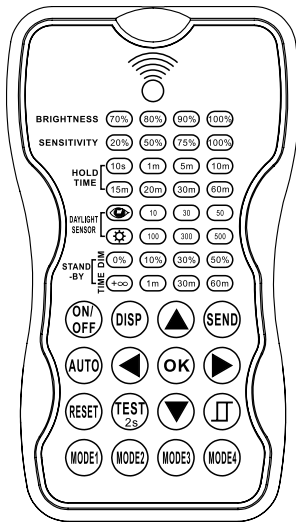
Controls are field installed, must be ordered as a new line item and will ship in a separate box.

BASIC SENSORS

	Part Number	Description
	PC-Z10	Photocell, Plug & Play Z10 Connector.
	PIR-Z10	PIR Occupancy and Daylight Sensor, Plug & Play Z10 Connector, On/Off/Dim, 40' Max Mounting Height, IP65. Field installed. Sensor can be re-programmed on the field with remote SEN-PROG (sold separately).
	MW-Z10	Microwave Occupancy and Daylight Sensor, Plug & Play Z10 Connector, On/Off/Dim, 40' Max Mounting Height, IP65. Field installed. Sensor can be re-programmed on the field with remote SEN-PROG (sold separately).
	SEN-PROG	Infrared Remote Programmer for Occupancy Sensors. Required to change default settings and modes of operation. For use with: PIR-Z10, MW-Z10, ULTRAPIR-Z10, and ULTRAMW-Z10.



DEFAULT SETTINGS

PIR-Z10 and MW-Z10. 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 and modes of operation.

Brightness	Light output level during occupancy.		Selects the current surrounding lux value as the daylight threshold.
Sensitivity	Detection area of the sensor.		Disables the daylight sensor. 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 level during vacancy.
Daylight Sensor	Natural light threshold.	Stand-by Time	Time the sensor keeps the light at stand-by dim level after the hold time has elapsed.

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




ULTRALINK BLUETOOTH CONTROLS







Linmore LED's UltraLink, powered by Silvair, is an intelligent lighting control system that uses Bluetooth Low Energy (BLE) communications at 2.4 GHz. The complete mesh network system can include wireless fixture receivers/controllers, sensors, wireless switches, gateways, and other accessories.

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

ULTRALINK CONTROLLERS / SENSORS

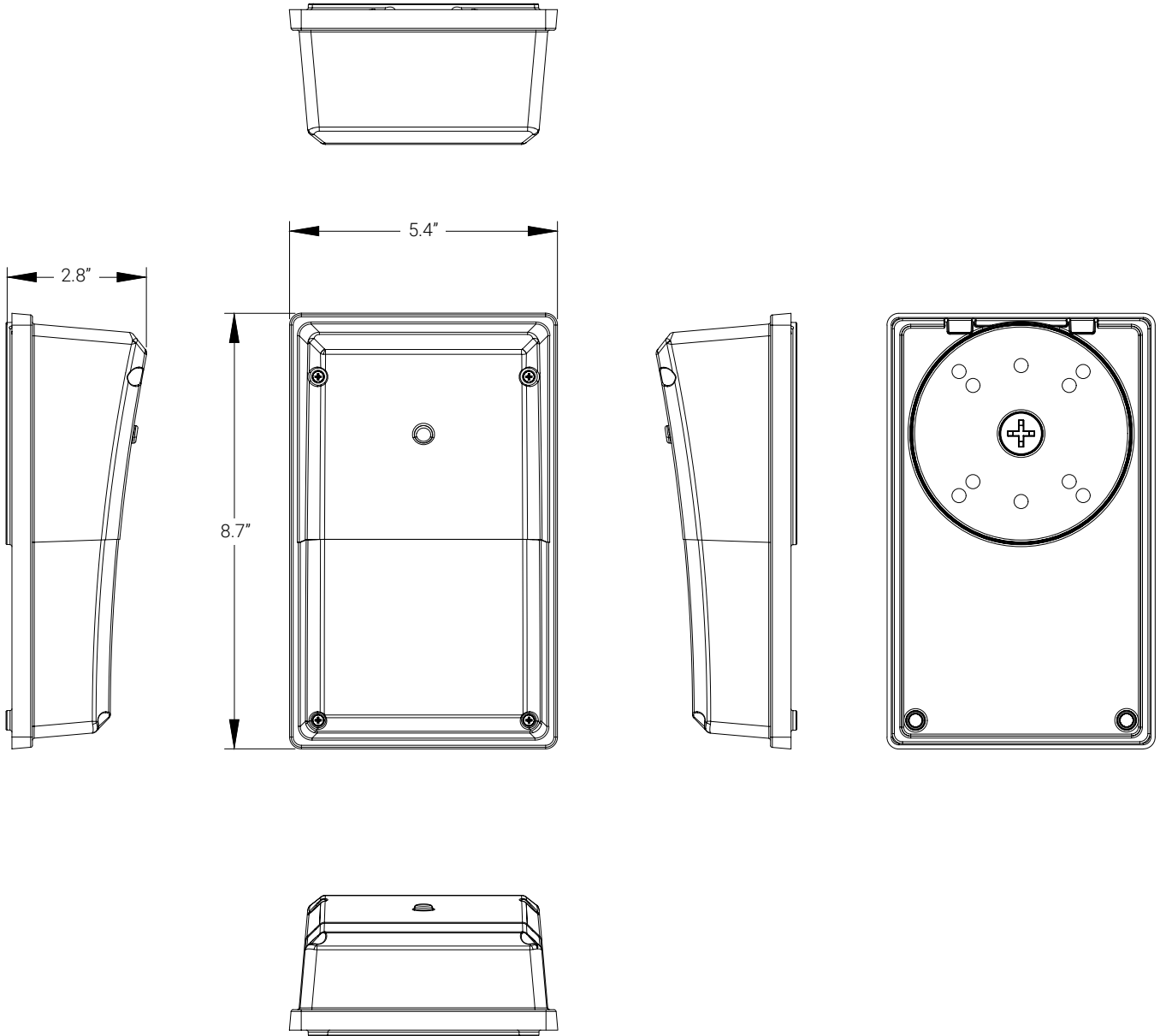
	Part Number	Description
	ULTRA-Z10	UltraLink Bluetooth Wireless Receiver / Controller, Plug & Play Z10 Connector, Silvair Firmware, IP65. Field installed.
	ULTRAPIR-Z10	UltraLink Bluetooth Wireless PIR Sensor, Plug & Play Z10 Connector, Silvair Firmware, 40' Max Mounting Height, IP65. Field installed. Sensor's detection sensitivity can be changed on the field with remote SEN-PROG (sold separately).
	ULTRAMW-Z10	UltraLink Bluetooth Wireless Microwave Sensor, Plug & Play Z10 Connector, Silvair Firmware, 40' Max Mounting Height, IP65. Field installed. Sensor's detection sensitivity can be changed on the field with remote SEN-PROG (sold separately).

ULTRALINK ACCESSORIES

	Part Number	Description
	ULTRAGATEWAY	UltraLink Bluetooth 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 Wireless Exterior Rated Gateway Box with High-Gain 2.4Ghz Antenna, includes ULTRAGATEWAY. 120-277V Power Supply required.
	ULTRATIME-BAT	UltraLink Bluetooth Time-Keeping Battery Backup includes an Outdoor Rated Enclosure, a High-Gain 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.

DIMENSIONS & DRAWINGS

SM Housing



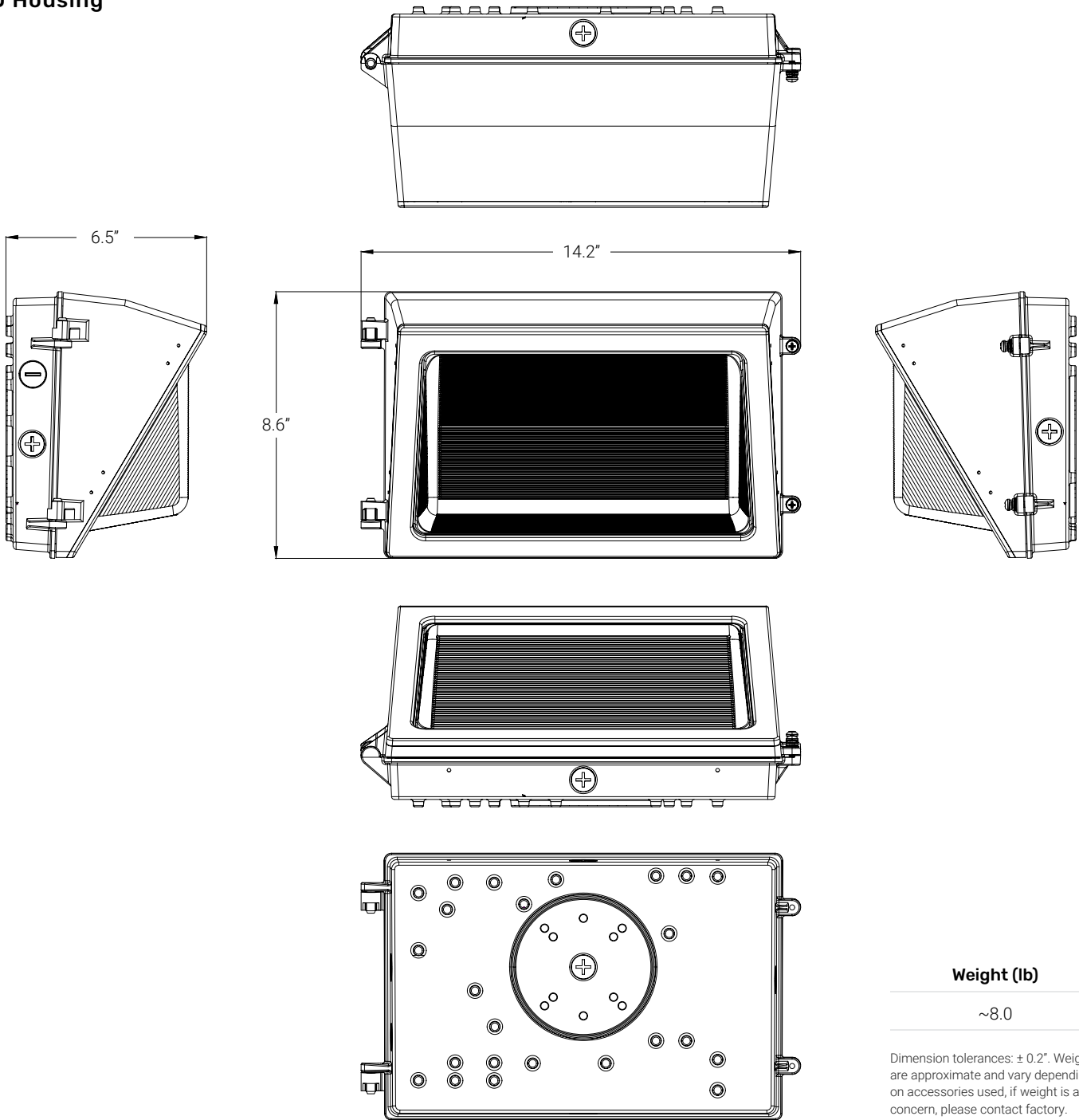
Weight (lb)

~1.5

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

DIMENSIONS & DRAWINGS

MD Housing



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