

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

# Ace LED Canopy (AC2)

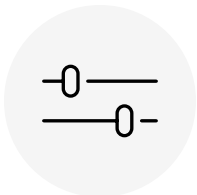
## CANOPY LED FIXTURE



Projected L70 up to 150,000 hours

### KEY FEATURES

- 2,500 to 5,400 Lumens
- Up to 135 LPW
- Up to 45°C (113°F) Ambient
- Die-cast Aluminum Housing and Heatsink
- Shutter Resistant Lens
- Silicon Sealed Gasket
- Easy Open Design
- Emergency Battery Backup Available



#### Selectable Wattage and CCT

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



#### Wet Location Rated (IP65)

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 switch.

# FEATURES & SPECIFICATIONS

## CONSTRUCTION

- **Housing:** Aluminum die-cast.
- **Housing Color:** Bronze (RAL 8019).
- **Heat Sink:** Cast aluminum.

## ELECTRICAL

- **Power Input:** 120-277V (50/60Hz) standard.
- **Power Factor:** Greater than 0.9.
- **Total Harmonic Distortion:** Less than 20%.
- **Flicker:** Less than 2%.
- **Emergency Battery Backup:** EMB has 15 watts output, producing ~2,000 lumens for 90 minutes. Sold as an accessory (field installed).

## OPERATION

- **Environment:** Wet location for exterior applications. IP65 rated.
- **Ambient Range Operation:** -30°C up to 45°C (-22°F up to 113°F).

## OPTICS

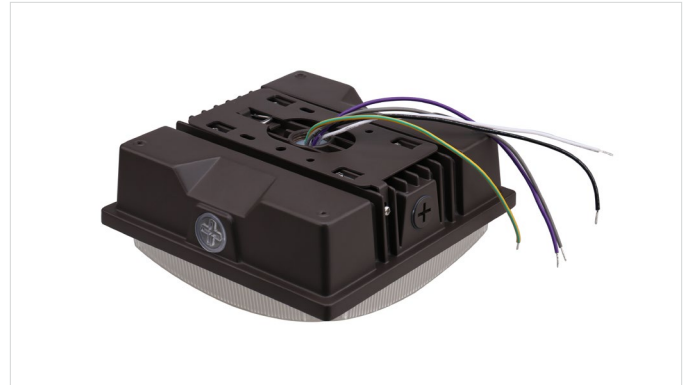
- **CCT:** Selectable via switch 3000K, 4000K, 5000K.
- **CRI:** 80+ standard.
- **Lens:** Clear ribbed, 160° beam angle. Shutter resistant.

## MOUNTING

- **Surface Mounting:** Standard.
- **Pendant Mounting:** Stem 3/4" conduit installation (3/4" tube not included).

## CONTROLS<sup>1</sup>

- **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 or disabled with a switch.
- **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. (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. (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 and IK10 rated.
- DesignLights™ Consortium Premium.

# TECHNICAL SPECS

SIZE	SELECTABLE WATTS	SELECTABLE CCT	LUMEN OUTPUT	EFFICACY	PART NUMBER
MD	20	3000K	2,500	125	AC20S-A2-ADJ-MD- ADJ-80-CL-LV-FXT- S-10V
		4000K	2,700	135	
		5000K	2,600	130	
	30	3000K	3,750	125	
		4000K	4,050	135	
		5000K	3,900	130	
	40	3000K	5,000	125	
		4000K	5,400	135	
		5000K	5,200	130	

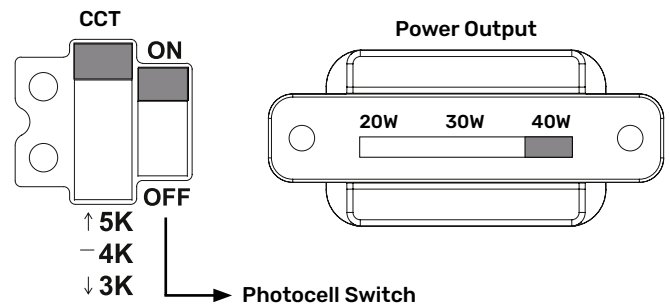
Typical lumen output (±10%) at 277V (LV) under 25°C ambient temperature.

## 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 clear caps on the side of the fixture with a screwdriver.
3. Adjust the corresponding dip switches to desired wattage and CCT.
4. Close the fixture and close the caps tight with a screwdriver.

Note: The ON/OFF switch is to enable or disable the photocell.



# ORDERING

SERIES MODEL - COMPLIANCE - LUMENS - SIZE	COLOR TEMP	CRI	LENS	VOLTAGE
AC20S-A2-ADJ-MD	<b>ADJ</b> Adjustable (selectable): 3000K, 4000K, 5000K	<b>80</b> 80+ CRI	<b>CL</b> Clear ribbed lens	<b>LV</b> 120-277V

MOUNTING	SENSORS	DIMMING
<b>FXT</b> Full fixture	<b>S</b> Integrated photocell (standard)	<b>10V</b> 0-10V

Ordering Example: AC20S-A2-ADJ-MD-ADJ-80-CL-LV-FXT-S-10V

# ACCESSORIES

Must be ordered separately. Packaged separately.





FIXTURE ACCESSORIES		
Part Number	Type	Description
<b>AC2-EMB-15W</b>	Emergency Backup Driver	Emergency Backup Driver with Battery, 15W, ~2,000 lumens for 90 minutes, Field installed.
<b>AC2-EMB-C-15W</b>	Emergency Backup Driver	Emergency Backup Driver with Battery, Cold Start, 15W, ~2,000 lumens for 90 minutes, Field installed.



# BASIC CONTROLS

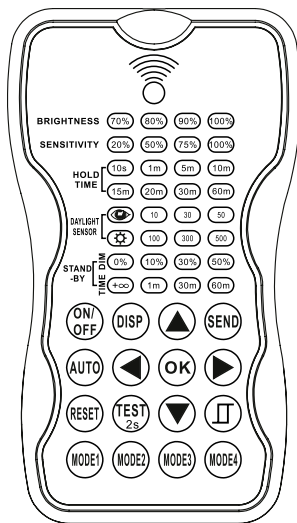
Controls are field installed, must be ordered as a new line item and will ship in a separate box.

## BASIC SENSORS<sup>1,2</sup>

	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.

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

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

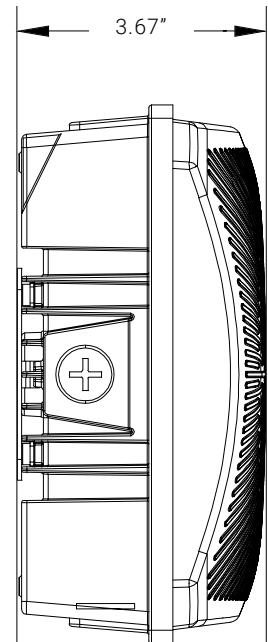
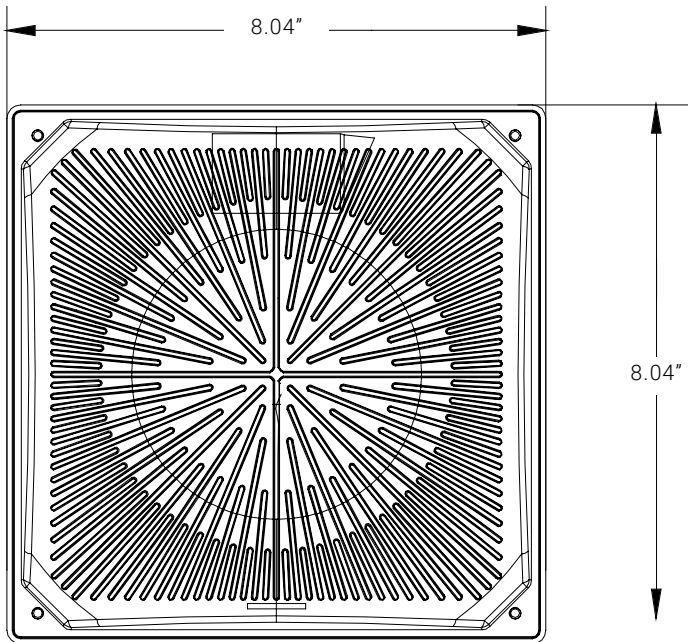
## ULTRALINK CONTROLLERS / SENSORS

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

## ULTRALINK ACCESSORIES

	Part Number	Description
	<b>ULTRAGATEWAY</b>	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.
	<b>ULTRAGATEWAY-4G</b>	UltraLink Bluetooth NLC Wireless Gateway, RJ45 Ethernet Connector and SIM Card Slot for 4G Cellular Connectivity, PoE or 120V AC Power Adapter, Long Range Bluetooth Mesh, Hardware Security Module, Encrypted File System, Secure Boot, Interior installation only.
	<b>ULTRAGATEWAY-EXT</b>	UltraLink Bluetooth NLC Wireless Exterior Rated Gateway Box with Long Range Antenna, includes ULTRAGATEWAY. 120-277V Power Supply required.
	<b>ULTRAGATEWAY-EXT-4G</b>	UltraLink Bluetooth NLC Wireless Exterior Rated Gateway Box with Long Range Antenna and 4G Cellular Connectivity. Includes ULTRAGATEWAY-4G in a Vented, Temperature-Controlled NEMA Enclosure, Universal Voltage (120, 208, 240, 277, and 480V), Wall Mount, 24 Hour Battery Backup. Optional pole mount kit. Cellular data plans available.
	<b>ULTRATIME-BAT</b>	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.
	<b>ULTRADASH</b>	UltraLink Dashboards for Energy, Occupancy Heat Mapping, and Energy Heat Mapping. Gateway (ULTRAGATEWAY) required, sold separately.

## DIMENSIONS & DRAWINGS



### Weight

~3.90 lbs

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

## 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. (See Accessories).

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Updated: 2025/05/31