

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace LED Canopy (AC2)

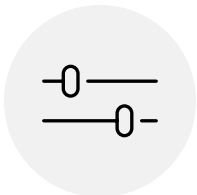
CANOPY LED FIXTURE



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 produces ~2,200 lumens for a minimum of 90 minutes. EMB has 15 watts output. 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 1113°F).

OPTICS

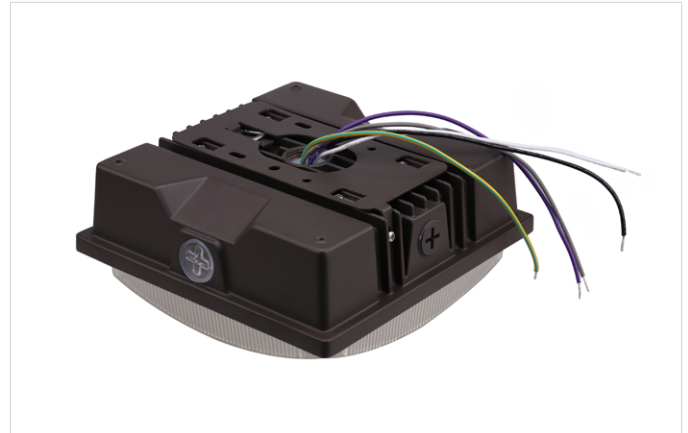
- **CCT:** Selectable via switch 3000K, 4000K, 5000K.
- **CRI:** 80+ standard.
- **Lens:** Clear ribbed, 160° beam angle. Shutter resistant.

MOUNTING

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

CONTROLS

- **Dimming:** 0-10V standard. Dimming range 100% to Off.
- **Photocell:** Standard, On/Off based on ambient light. It can be enabled or disabled with a switch.



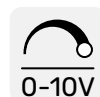
- **Occupancy Sensors:** Z10 Plug & Play field installed sensors available. Requires installation of elbow mount, sold separately.
- **UltraLink Bluetooth® Controls:** Z10 Plug & Play field installed wireless advanced controls available. Requires installation of elbow mount, sold separately.

WARRANTY

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

LISTINGS & CERTIFICATIONS

- cUL.
- UL 1598.
- RoHS compliant.
- IP65 and IK10 rated.
- DesignLights™ Consortium Premium (PENDING).



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	

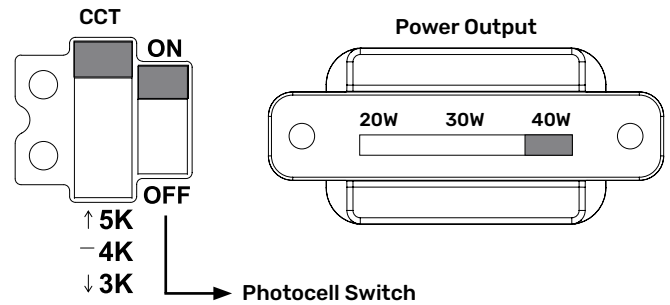
Typical lumen output (±10%) at 277V (LV) under 25°C ambient temperature.

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	MOUNTING	SENSORS	DIMMING
AC20S-A2-ADJ-MD	ADJ Adjustable (selectable): 3000K, 4000K, 5000K	80 80+ CRI	CL Clear ribbed lens	LV 120-277V	FXT Full fixture	S Integrated photocell (standard)	10V 0-10V

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

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.
AC2-EMB-15W	Battery Backup	Emergency Backup Driver with Battery, 15W, 90 minutes, field installed.

BASIC CONTROLS

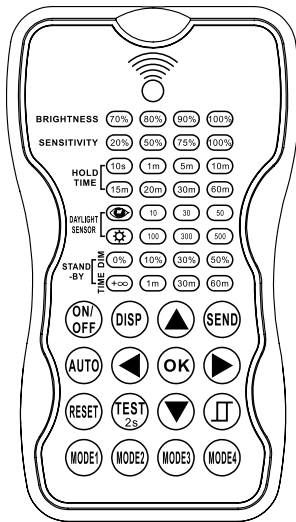
Controls are field installed, must be ordered as a new line item and will ship in a separate box.

BASIC SENSORS

	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.

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ULTRALINK CONTROLLERS / SENSORS

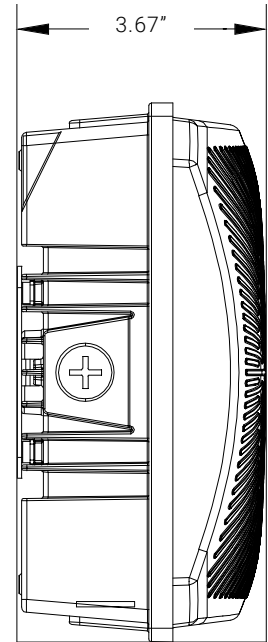
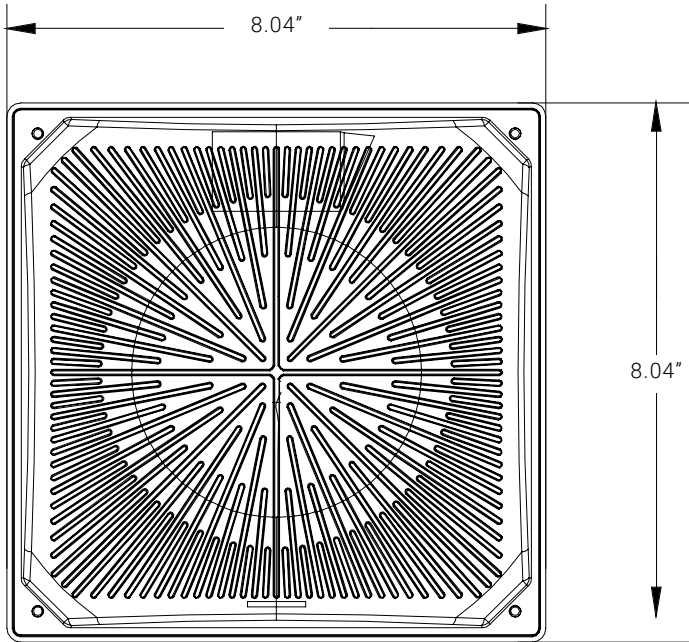
	Part Number	Description
	ULTRA-Z10	UltraLink Bluetooth Wireless Receiver / Controller, Plug & Play Z10 Connector, Silvair Firmware, IP65. Field installed.
	ULTRAPIR-Z10	UltraLink Bluetooth Wireless PIR Sensor, Plug & Play Z10 Connector, Silvair Firmware, 40' Max Mounting Height, IP65. Field installed. 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.

Technology Partner **SILVAIR**

DIMENSIONS & DRAWINGS



Weight (lb)

~3.90

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

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