

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace LED Garage (AG1)

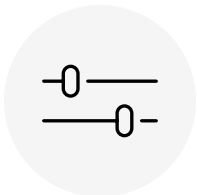
PARKING GARAGE LED FIXTURE



Projected L70 up to 150,000 hours

KEY FEATURES

- 4,900 to 15,300 Lumens
- Up to 153 LPW
- Up to 50°C (122°F) Ambient
- Die-Cast Aluminum Housing and Heatsink
- Compact Low-Profile Design
- Easy Open Design
- Wide Beam Ring Lens
- 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.



EZ-Connect™ Receptacle

The simplest and fastest way to add sensors and UltraLink wireless controls at any time in the field. Twist Lock system, no tools or wiring needed.

FEATURES & SPECIFICATIONS

CONSTRUCTION

- **Housing:** Aluminum die-cast.
- **Housing Color:** Bronze (RAL 8019), durable powder-coated finish.
- **Heat Sink:** Cast aluminum.
- **EZ-Connect™ Receptacle:** The simplest and fastest way to add sensors and wireless controls at any time on the field. Twist Lock system, no tools or wiring needed.

ELECTRICAL

- **Power Input:** 120-277V (50/60Hz) standard.
- **Power Factor:** Greater than 0.9.
- **Total Harmonic Distortion:** Less than 20%.
- **LED Driver:** High efficiency, up to 93%.
- **Surge Protection:** 4kV (MD model), 6kV (LG model).
- **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:** -40°C up to 45°C (-40°F up to 113°F) without motion sensor.
-30°C up to 45°C (-22°F up to 113°F) with motion sensor.

OPTICS

- **CCT:** Selectable: 3000K, 4000K, 5000K.
- **CRI:** 80+ standard.
- **Lens:** Clear ribbed polycarbonate. 150° beam angle.

MOUNTING

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



CONTROLS¹

- **Dimming:** 0-10V standard. Dimming range 100% to Off.
- **Photocell Sensor:** On/Off based on ambient light. EZ-Connect™ Twist Lock system for field installation.
- **Occupancy Sensors:** PIR and Microwave occupancy sensors, On/Off/Dim. EZ-Connect™ Twist Lock system for field installation.
- **Networked Lighting Controls:** UltraLink and UltraLink+ Wireless Controls with Bluetooth® NLC Mesh technology. EZ-Connect™ Twist Lock system for field installation.

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

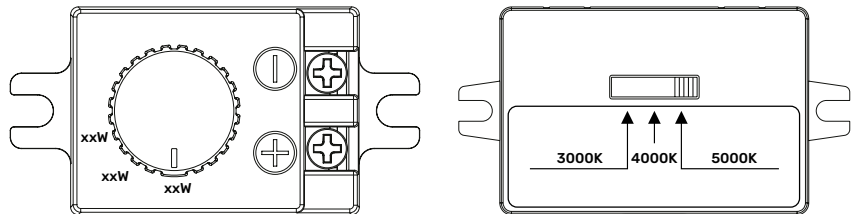
SIZE	SELECTABLE WATTS	SELECTABLE CCT	LUMEN OUTPUT	EFFICACY	PART NUMBER
MD	35	3000K	4,921	141	AG10S-A2-ADJ-MD-ADJ-80-CL-LV-FXT-EZ10-10V
		4000K	5,272	151	
		5000K	5,137	147	
	45	3000K	6,327	141	
		4000K	6,778	151	
		5000K	6,604	147	
	55	3000K	7,733	141	
		4000K	8,284	151	
		5000K	8,072	147	
LG	60	3000K	8,579	143	AG10S-A2-ADJ-LG-ADJ-80-CL-LV-FXT-EZ10-10V
		4000K	9,193	153	
		5000K	8,966	149	
	80	3000K	11,438	143	
		4000K	12,258	153	
		5000K	11,954	149	
	100	3000K	14,298	143	
		4000K	15,322	153	
		5000K	14,943	149	

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 four screws on the top.
3. Adjust the corresponding dial and dip switch to desired wattage and CCT.



ORDERING

SERIES MODEL - COMPLIANCE - WATTS - SIZE	COLOR TEMP	CRI	LENS	VOLTAGE
AG10S-A2-ADJ-MD AG10S-A2-ADJ-LG	ADJ Adjustable: 3500K, 4000K, 5000K	80 80+ CRI	CL Clear ribbed lens	LV 120-277V
MOUNTING	SENSORS ¹	DIMMING		
FXT Full fixture	EZ10 EZ-Connect™ Receptacle with Twist Lock system (standard) Sensors not included, see Controls pages for available products	10V 0-10V		

Ordering Example: AG10S-A2-ADJ-MD-ADJ-80-CL-LV-FXT-EZ10-10V

ACCESSORIES

Must be ordered separately. Packaged separately.





FIXTURE ACCESSORIES		
Part Number	Type	Description
AG1-MD-EMB-15W	Emergency Backup Driver	Emergency Backup Driver with Battery, 15W, ~2,000 lumens for 90 minutes, Field installed. For MD fixture only.
AG1-LG-EMB-15W	Emergency Backup Driver	Emergency Backup Driver with Battery, 15W, ~2,000 lumens for 90 minutes, Field installed. For LG fixture only.
AG1-LG-EMB-C-15W	Emergency Backup Driver	Emergency Backup Driver with Battery, Cold Start, 15W, ~2,000 lumens for 90 minutes, Field installed.



BASIC CONTROLS

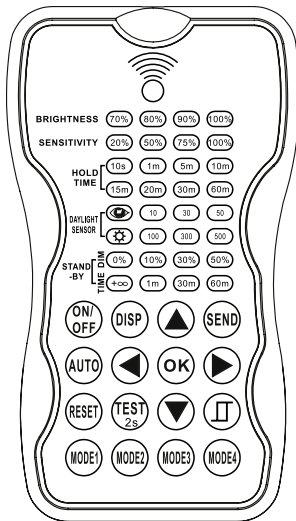
Controls are field installed, must be ordered as a new line item and will ship in a separate box.

BASIC SENSORS¹

	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 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



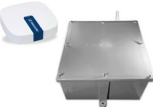





Controls are field installed, must be ordered as a new line item and will ship in a separate box.

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-4G	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.
	ULTRAGATEWAY-EXT	UltraLink Bluetooth NLC Wireless Exterior Rated Gateway Box with Long Range Antenna, includes ULTRAGATEWAY. 120-277V Power Supply required.
	ULTRAGATEWAY-EXT-4G	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.
	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.

ULTRALINK+ BLUETOOTH CONTROLS







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
	ULPLUS-BK-EZ10	UltraLink+ Bluetooth NLC Wireless Receiver and Fixture Controller, Black Color, EZ-Connect Twist Lock System, IP65, BubblyNet Firmware. Field installed.
	ULPLUS-HGA-CL-EZ10	UltraLink+ Bluetooth NLC Wireless Receiver and Fixture Controller with Long Range Antenna, Clear Color, EZ-Connect Twist Lock System, IP65, BubblyNet Firmware. Field installed.
	ULPLUS-PIR-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, BubblyNet Firmware. Field installed.
	ULPLUS-MW-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, BubblyNet Firmware. Field installed.

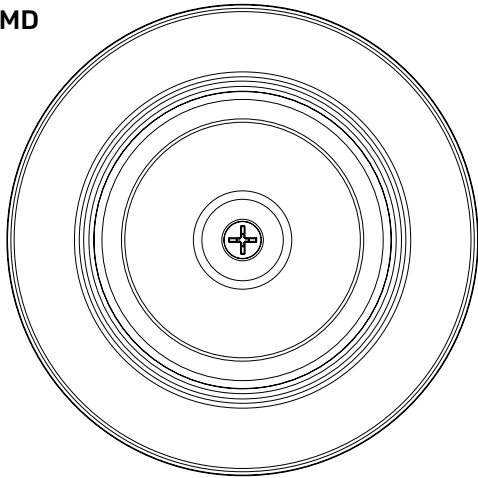
ULTRALINK+ ACCESSORIES

	Part Number	Description
	ULPLUS-GW	UltraLink+ Bluetooth NLC Wireless Gateway, RJ45 Ethernet Connector, PoE or 120V AC Power Adapter, Long Range Bluetooth Mesh, Hardware Security Module, Encrypted File System, Secure Boot, Interior installation only.
	ULPLUS-HGA-EXT	UltraLink+ Bluetooth NLC Wireless Range Extender, 12-24V DC, Wall Mount, IP65, BubblyNet Firmware. Field installed. Suitable for indoor and outdoor.
	ULPLUS-GW-EXT	UltraLink+ Bluetooth NLC Wireless Gateway, Exterior Rated. Includes ULPLUS-GW, High-Gain 2.4GHz Antenna and a NEMA Enclosure. Requires 120-277V AC Power Adapter.
	ULPLUS-TST-SBC	UltraLink+ Bluetooth NLC Wireless Setback Controller for Thermostats with CCI (Closed Contact Input), 12-24V DC, BubblyNet Firmware. Field installed.
	ULPLUS-DASH-REM	UltraLink+ Remote Access Dashboard, Includes: App User Mgt, Security Updates, Remote Control, Remote Reconfiguration, & Multi-Site Control. Per year subscription. Gateway required, sold separately. Purchased directly from Cloud Services Portal.
	ULPLUS-DASH-MON	UltraLink+ Monitoring Services Dashboard, Includes: Remote Access services plus Light level Monitoring, Calculated Energy Use, Measured Energy Use, Occupancy Monitoring, People Counting, Air Quality Monitoring, & HVAC Monitoring. Per year subscription. Gateway required, sold separately. Purchased directly from Cloud Services Portal.

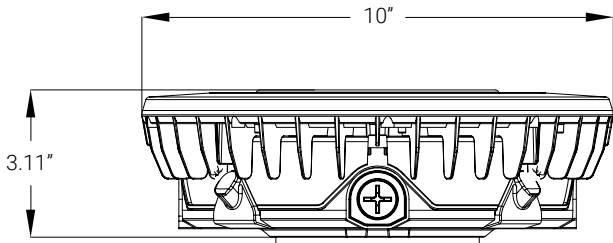
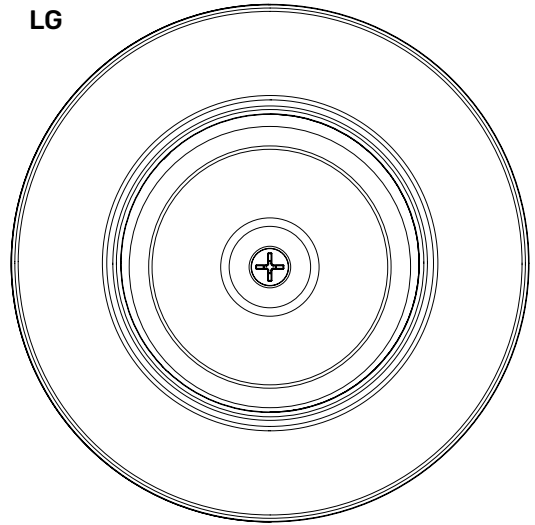


DIMENSIONS & DRAWINGS

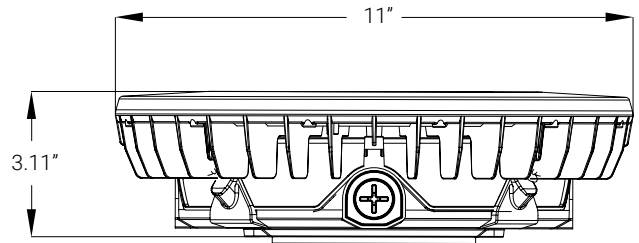
MD



LG



Without Sensor



Without Sensor

Size	Diameter	Height	Weight
MD	10"	3.11"	~4lbs
LG	11"	3.11"	~5lbs

Dimension tolerances: $\pm 0.1"$. Weights are approximate, 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.

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Updated: 2025/09/08