

SPEC SHEET

Site Lighter Wall Pack (SLW2)

Modern by design. Built for performance, durability, and architectural appeal.



IP65



IK08



up to 20kV



0-10V

Projected L90 up to 173,000 hours



HiOptiX®

KEY FEATURES

- 4,700 to 18,300 Lumens
- Up to 156 LPW
- Up to 55°C
- Extruded Aluminum Body
- Easy Access to Power Supply

Guaranteed Performance

Performance of the light fixture is guaranteed for 10 years, including lumen output (L70), color temperature, and LED driver.

HiOptiX® Lens

Proprietary HiOptiX lens technology delivers light precisely where needed for superior illumination efficiency and uniformity.

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

- **Extruded Aluminum Body:** Improves heat dissipation for longer life.
- **Heavy-Duty Powder Coating:** Bronze, white and black standard. Custom color options available².
- **Power Supply Access:** Wireway cover allows easy access to driver and wiring for quick maintenance and fixture upgrades in the field.
- **Unified Design:** Same modern design as Site Lighter 2 Area Lighting for unified aesthetics.
- **EZ-Connect™ Receptacle:** The simplest and fastest way to add sensors and wireless controls at any time on the field. Twist and Lock system, no tools or wiring needed.

ELECTRICAL

- **Power Input:** 120-277VAC or 277-480VAC, depending on model.
- **Power Factor:** 0.99 typical.
- **Total Harmonic Distortion:** <20%.
- **Surge Protection:** Standard is 6kV for drivers. Additional surge protection available as an option: SRG20 option is 20kV/20kA, SRGXT option passed ANSI C136.2-2018 surge test for extreme level surge conditions (40 strikes at 20kV/20kA for LV and 20kV/18kA for HV).
- **Emergency Battery Backup:** Optional (factory installed). 16W output. Available only for LV models.

OPERATION

- **Environment:** IP65 rated for exterior applications.
- **Ambient Range Operation:** -40°C up to 55°C (-40°F up to 130°F).

OPTICS

- **CCT:** 4000K and 5000K standard. 3500K, DarkSky⁵ (2200K, 2700K, 3000K), and Wildlife Friendly (1900K) options available upon request (extended lead time).
- **CRI:** >70 standard, other CRI available (extended lead time).
- **Lenses:** Polycarbonate lens with our proprietary HiOptiX[®] technology, designed for superior uniformity and illumination efficiency by delivering the light precisely where it is needed. T3 and T4 available.

MOUNTING

- **Mounting³:** Trunnion (Yoke) and Wall Mount options available. DarkSky approved with Wall Mount option only.



CONTROLS¹

- **Dimming:** 0-10V standard. Dimming range 100% to 10% and then 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 Wireless Controls with Bluetooth® NLC Mesh technology. EZ-Connect™ Twist Lock system for field installation.

WARRANTY

- **10 Year Performance Warranty:** Fixture is guaranteed for 10 years, including lumen maintenance (L70), color temperature, and LED driver. "Defective" is considered if ten percent (10%) or more of the LEDs, per product, are non-operating LEDs, total lumen depreciation exceeds 30% (L70), or color temperature has shifted more than 500° Kelvin within the warranty period. See terms and conditions at <https://linmoreled.com/warranty>

LISTINGS & CERTIFICATIONS

- ETL Listed (UL 1598, CSA STD C22.2 #250.0).
- IP65.
- RoHS compliant.
- BAA/TAA Compliant.
- FCC CFR 47 Part 15.
- ANSI C136.2-2018 Extreme Surge Exposure Level for Roadway and Area Lighting Equipment.
- DarkSky Compliant³.
- DesignLights™ Consortium Premium¹⁰.

TECHNICAL SPECS

Size	Watts	MODEL	LUMEN OUTPUT		EFFICACY	
			T3	T4	T3	T4
SM	32	SLW2-A1-04K-SM	4,698	5,110	147	160
SM	54	SLW2-A1-08K-SM	8,395	9,131	155	169
SM	84	SLW2-A1-12K-SM	12,334	13,417	147	160
SM	108	SLW2-A1-15K-SM	15,136	16,465	140	152
SM	134	SLW2-A1-18K-SM	18,372	19,985	137	149

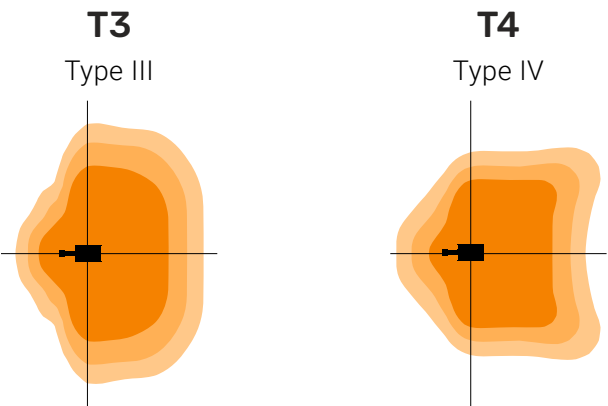
Typical lumen output (±10%) at 120V (LV) under 25°C ambient temperature at 5000K.

Lumen Multipliers

Allows to calculate the actual lumen output for your application.

CCT	5000K	4000K	3500K	3000K	2700K	2200K	WF (1900K)
Multiplier	1.000	0.990	0.983	0.953	0.927	0.859	Contact Factory

LIGHT DISTRIBUTION



HiOptiX[®]

Proprietary HiOptiX lens technology delivers light precisely where needed for superior illumination efficiency and uniformity.

LUMEN MAINTENANCE

Lumen Maintenance, also known as L70, is a lifetime measurement criteria developed by IESNA (Illuminating Engineering Society of North America) to evaluate the useful lifetime of an LED fixture in terms of the expected number of operating hours until the light output has diminished to 70% of initial levels. An LED fixture is considered to have reached its rated life when it emits 30% less light than it initially did. All values below are calculated in accordance to IESNA standards, per TM-21.

Ambient Temp.		SL2		
		L90	L80	L70
25	77	173Khrs	372Khrs	598Khrs
35	95	156Khrs	335Khrs	539Khrs
45	113	124Khrs	273Khrs	442Khrs
55	131	94Khrs	207Khrs	335Khrs

Lxx = Calculated time to reach xx% of initial lumen output.

Reported Life (6X)	
Tested Time	Extrapolated
17,000 hrs	> 102,000 hrs



Outdoor 5050 LED Robustness

Im maintenance > 97%
Vf maintenance < 101%

LEDs have been Tested and Verified by UL for High Robustness

- **Salt-fog protection** per IEC 60068-2-52 (NaCl 5% / 35°C salt water sprayed for 2 hours » 40°C / 93% left for 6 days and 22 hours, 4 cycles).
- **Sulfur protection** per IEC 60068-2-43 (25°C, 75% R.H., H₂S 15ppm, 504 hours).
- **High humidity protection** per JESD22-A101D.01 (85°C / 85%, 640mA, ON/OFF 0.5 hours, 1,000 hours).
- **Thermal Shock** per JESD22-A106B.02 (-45°C to +125°C / 15min / 500 cycles).

FIXTURE MAINTENANCE

Easy Access to Power Supply

The wireway cover provides easy access to the driver and wiring, making maintenance quick and simple.

This feature not only lowers maintenance costs but also ensures that your fixture can be updated with the latest technologies, including advanced controls and surge protectors.



ORDERING

SERIES MODEL - COMPLIANCE - LUMENS - SIZE	COLOR TEMP	CRI	OPTIC	VOLTAGE
SLW2-A1-04K-SM ⁵	50 5000K	70 70+ CRI	T3 Type 3	LV 120-277VAC
SLW2-A1-08K-SM ⁶	40 4000K	50 50 CRI (option only available and must select for WF CCT)	T4 Type 4	HV 277-480VAC
SLW2-A1-12K-SM	35 3500K			
SLW2-A1-15K-SM	30 ⁵ 3000K			
SLW2-A1-18K-SM	27 ⁵ 2700K			
	22 ⁵ 2200K			
	WF ³ Wildlife Friendly (1900K)			

HOUSING COLOR	MOUNTING	SENSORS ¹	CORD	OPTIONS	DIMMING
BRN Bronze	TM Trunnion Mount Bracket	EZ10 EZ-Connect™ Receptacle with Twist Lock system, for use with 0-10V control protocols (standard)	CW 3ft cord whip, black, 15A, 3-wire, no plug	SRG20 Surge Protector (20kV/20kA)	10V 0-10V
BLK Black	WM ³ Wall Mount Box	EZ18 EZ-Connect™ Receptacle with Twist Lock system and Zhaga Book 18 interface, for use with 0-10V control protocols		SRGXT Surge Protector for Extreme Exposure Areas (20kV/20kA LV, 20kV/18kA HV)	
WHT White		Sensors not included, see Controls pages for available EZ10 products		EM16 ⁴ Emergency Battery Backup (16W)	
CUS ² Custom (special order)				NEMA3 ^{2,7,8} 3-Pin Twist Lock Receptacle for external Photocells and/or Surge Protectors	
				NEMA7 ^{2,7,8} 7-Pin Twist Lock Receptacle for external Photocells (dimming capable) and/or Surge Protectors	

Must be ordered separately. Packaged separately.

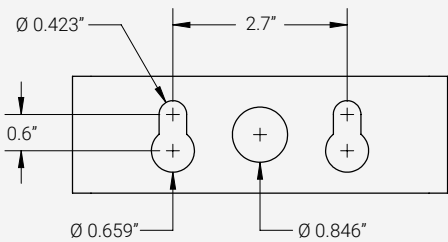
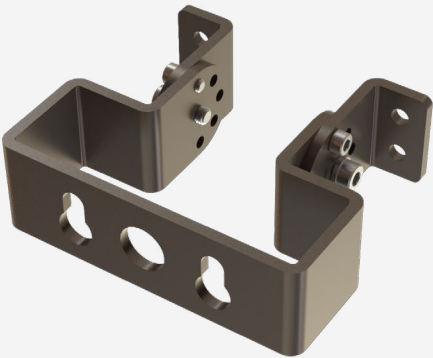
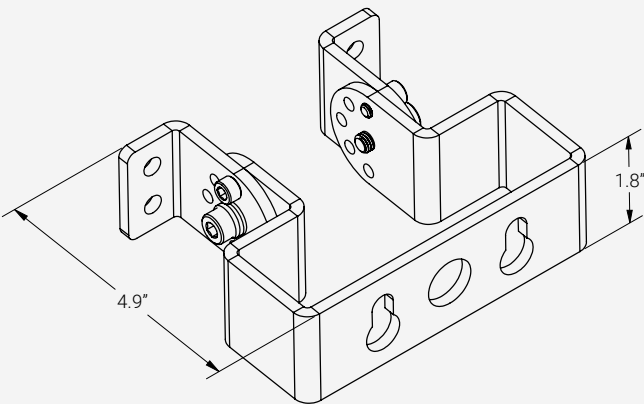
ACCESSORIES	
NEMA COMPONENTS	
PC-NEMA3	Photocell for NEMA3
PC-NEMA7	Photocell for NEMA7
SC-NEMA	Shorting cap for NEMA3 or NEMA7
GLARE SHIELDS	
SLW2-GSF	Front Glare Shield. Field Installed. Extended lead time.
SLW2-GSB	Back Glare Shield. Field Installed.
SLW2-GSL	Left Glare Shield. Field Installed.
SLW2-GSR	Right Glare Shield. Field Installed.
SLW2-BLS	Back Light Glare Shield. Field Installed.
REPLACEMENT OPTICS	
SLW2-T3	Replacement (one) Type 3 Lens with HiOptiX Technology.

MOUNTING OPTIONS

TM

Trunnion Mount Bracket

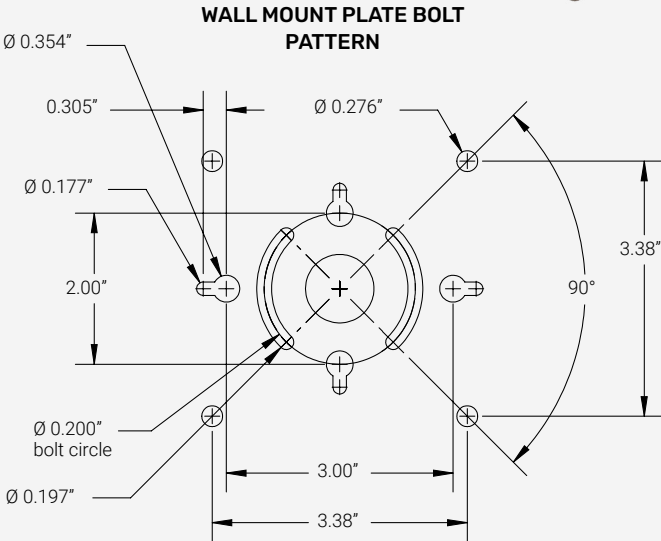
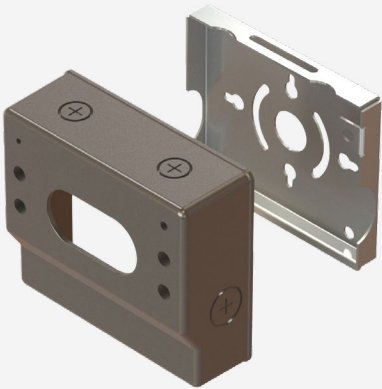
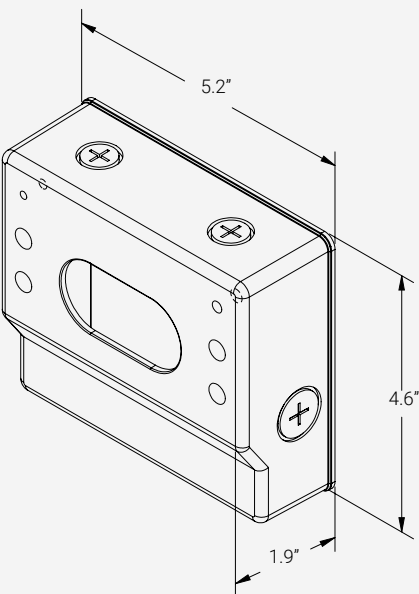
For mounting fixtures to variety of surfaces at different angles. Accommodates a single fixture. The fixture cannot be mounted at an angle greater than 60°.



WM

Wall Mount Box

For mounting fixtures to a standard 4" electrical box or directly to any exterior wall with appropriate fasteners. Accommodates a single fixture.



BASIC CONTROLS

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

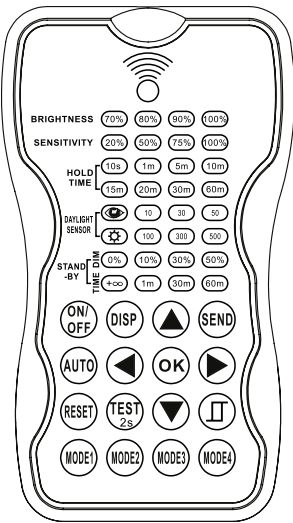
BASIC SENSORS¹

	Part Number	Description
	PC-WH-EZ10 or PC-BK-EZ10	Photocell, White or Black* Color, EZ-Connect Twist Lock System, Plug & Play, Field installed.
	PIR-WH-EZ10 or PIR-BK-EZ10	PIR Occupancy and Daylight Sensor, White or Black* Color, EZ-Connect Twist Lock System, Plug & Play, On/Off/Dim, 40' Max Mounting Height, IP65. Field installed.
	MW-WH-EZ10 or MW-BK-EZ10	Microwave Occupancy and Daylight Sensor, White or 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.

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

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 preprogrammed 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 / SENSORS¹

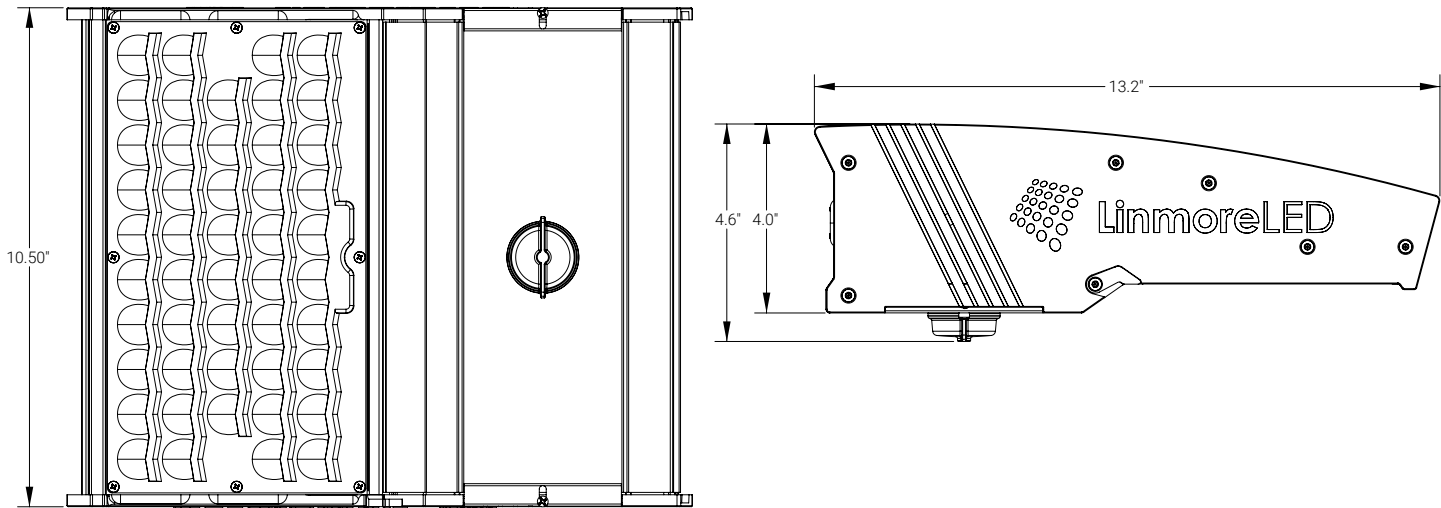
Part Number	Description
 ULTRA-WH-EZ10 or ULTRA-BK-EZ10	UltraLink Bluetooth NLC Wireless Receiver and Fixture Controller, White or Black* Color, EZ-Connect Twist Lock System, IP65, Silvair Firmware. Field installed.
 ULTRAHGA-CL-EZ10	UltraLink Bluetooth NLC Wireless Receiver and Fixture Controller with Long Range Antenna, Clear Color, EZ-Connect Twist Lock System, IP65, Silvair Firmware. Field installed.
 ULTRAPIR-WH-EZ10 or ULTRAPIR-BK-EZ10	UltraLink Bluetooth NLC Wireless Fixture Controller with PIR Occupancy and Daylight Sensor, White or Black* Color, EZ-Connect Twist Lock System, 40' Max Mounting Height, IP65, Silvair Firmware. Field installed.
 ULTRAMW-WH-EZ10 or ULTRAMW-BK-EZ10	UltraLink Bluetooth NLC Wireless Fixture Controller with Microwave Occupancy and Daylight Sensor, White or 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.

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

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.
 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.

DIMENSIONS & DRAWINGS



DIMENSIONS				
Size	Length (in)	Width (in)	Height (in)	Weight (lb)
SM	13.2	10.50	4.0	15.1

BUG RATINGS

MODEL	T3	T4
SLW2-A1-04K-SM	B1-U0-G1	B1-U0-G2
SLW2-A1-08K-SM	B2-U0-G2	B2-U0-G3
SLW2-A1-12K-SM	B2-U0-G2	B2-U0-G3
SLW2-A1-15K-SM	B3-U0-G3	B2-U0-G3
SLW2-A1-18K-SM	B3-U0-G3	B3-U0-G4

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. Extended lead time. Contact factory.
3. DarkSky approved 3000K CCT or warmer with WM mounting option only.
4. EM16 is only available for LV models (120-277VAC). Not compatible with NEMA options.
5. DLC listed only at 120-240VAC.
6. HV models are DLC listed only up to 347VAC.
7. Must be ordered with NEMA shorting cap or NEMA Photocell.
8. Not compatible with EM16 option.

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