



ARCHIPELAGO
LIGHTING GROUP

LIGHTING REINVENTED

luxo **ARCH** ECO

LFLD | Everest

Product Data Sheet



COMMERCIAL-GRADE

Area Light



WATTselect



CCTselect



ACS

Product Overview

INTENDED USE: The Everest-series flood light boasts outstanding photometric performance, uniform illumination, a low-profile design, high efficacy, a long lifespan, and easy installation. Its one-piece die-cast aluminum housing with UV-resistant powder coat finish provides excellent corrosion protection. Ideal for various commercial environments, including auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores, and other public areas.

CONSTRUCTION: Die-cast aluminum housing with corrosion-resistant polyester powder coat finish and UV-stabilized polycarbonate optics securely holds the thermally conductive LED board and electronics. Suitable for extreme 3G testing, it operates reliably in -40°F to 113°F environments.

OPTICS: The advanced optical design combines reflector and refractor technologies to improve illumination and extend throw distance, effectively directing light to specific areas. Crafted from high-grade polycarbonate, the refractor optimizes light extraction, creating a radiant luminaire that enhances nighttime aesthetics. The UV-stabilized polycarbonate lens provides vandal resistance and improved light dispersion for better visibility.

ELECTRICAL: High-efficiency LED driver with wide input voltage (120-277VAC, 50/60Hz). Features 3-WATTselect technology with three models (35W max, 80W max, 150W max) and 3-CCTselect with 3000K, 4000K, and 5000K options. Long-lasting, energy-efficient LEDs mounted on an internal aluminum heat sink improve heat dissipation and extend lifespan. LEDs maintain 90% of light output after 50,000 hours. Power factor >0.9 with THD <20% ensures optimal electrical performance. Optional photocell provides security and efficiency.

WARRANTY: 5-year limited warranty with 24/7 operation coverage.

ARCHIPELAGO luminaires and LED components undergo rigorous testing by an independent laboratory to meet IESNA LM-79 and LM-80 standards for light output and lumen maintenance. LED color temperature is warranted to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Project Details

Project Name: _____ Project Number: _____

Fixture Schedule: _____ Notes: _____

Applications



Parking Lots



Facade



Roadways



General Public

Main Features

- **Driver Technology:** High-efficiency LED driver with wide voltage compatibility (120-277VAC) delivers consistent performance with 0-10V dimming, and PF >0.9.
- **Thermal Excellence:** Two-piece die-cast aluminum housing with UV-resistant powder coating securely holds the thermally conductive LED board and electronics, ensuring optimal heat dissipation and corrosion protection. LED junction temperature remains below 185°F for extended lifespan.
- **Environmental Protection:** Weather-resistant construction suitable for extreme 3G testing, per ANSI C136.31. UL Wet Location Listed for reliable outdoor performance.
- **Optical Performance:** Advanced optical design combines reflector and refractor technologies for improved illumination and extended throw distance. UV-stabilized polycarbonate lens offers vandal resistance and superior light dispersion, delivering 140 lm/W efficacy with high CRI >80.
- **Smart Controls:** Built-in photocell with ON/OFF switch provides security and optimized efficiency. Optional 0-10V dimming for advanced lighting management.
- **Installation Versatility:** Multiple mounting options (Knuckle, Slip-Fitter, Trunnion, Yoke) for diverse applications. Built-in knock-out supports vertical mount.
- **Extended Protection:** Thermally isolated driver design mounts directly to wall surface or J-box, ensuring reliable operation and easy maintenance.
- **Temperature Resilient:** Engineered for reliable performance in extreme conditions from -40°F to 113°F (-40°C to 45°C), suitable for diverse outdoor environments like auto dealerships, parking lots, walkways, and facade lighting.

Product Warranty*



5-Year Warranty



50,000 Hrs

* Standard warranty. Extended warranty available.

Archipelago Lighting, Inc.

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| USA Production: 9345 Sycamore Canyon Blvd, Riverside, CA 92508








Contact Us

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Highlights

Features		Description
3-WATTselect		Wattage selectable: 3-way dip-switch for 70W-300W options
3-CCTselect		CCT selectable: 3-way dip-switch for 3000K/4000K/5000K
sensorABLE		Built-in photocell with ON/OFF switch, 0-10V dimming capability
surgeARMOR		Built-in 6KV surge protection, UL Wet Location Listed
thermalARMOR		Die-cast aluminum housing with thermally isolated driver design, maintaining LED T _j <185°F
WetGuard		Weather-resistant construction with 3G vibration testing per ANSI C136.31
Limited Warranty		5-Year, 50,000 Hrs Limited Warranty

Key Specifications

- **LED Chip:** LUMILEDS LED High Luminous Efficiency
- **Operating Temp:** -40°F – 113°F (-40°C – 45°C)
- **Surge Protection:** Built-in 6KV Standard
- **Optics:** UV-Stabilized Polycarbonate Lens
- **Color Consistency:** LED color temperature shift <180K over warranty period
- **Input Voltage:** 120-277Vac, 50/60Hz
- **IP Rating:** UL Wet Location Listed
- **Dimming:** 0-10V, Built-In Photocell w/ ON/OFF Switch
- **Efficacy:** ≤140 lm/W
- **THD:** <20%
- **CRI:** >80
- **PF:** >0.9 Non-Flicker

Certifications

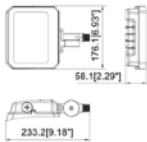
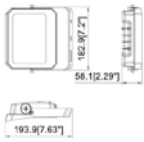
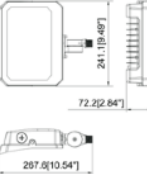
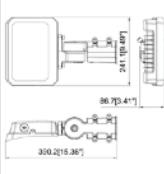
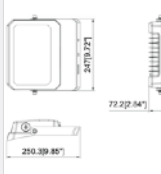
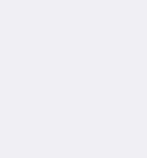
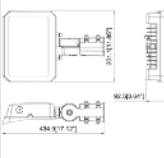
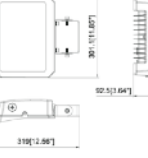
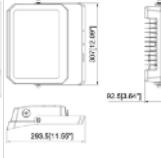


Model Specifications

Model Series	WATTselect [W]	Lumens [LM]	Efficacy	CCTselect	Voltage [V]	Dimming	Finish	Photocell
LFLD3W35	15W / 20W / 35W *	2,100LM / 2,800LM / 4,900LM *	140LM/W / 140LM/W / 140LM/W *	3000K / 4000K / 5000K *	120-277Vac	0-10V	Bronze	Built-In Button Photocell
LFLD3W80	35W / 60W / 80W *	4,900LM / 8,400LM / 11,200LM *	140LM/W / 140LM/W / 140LM/W *					
LFLD3W150	100W / 120W / 150W *	14,000LM / 16,800LM / 21,000LM *	140LM/W / 140LM/W / 140LM/W *					

* Default settings.

Sizing & Measurements

Model Series	Width [in]	Height [in]	Depth [in]	Carton Qty	w/ Knuckle	w/ Slip Fitter	w/ Trunnion	w/ Yoke
LFLD3W35	6.93inch	5.89inch	2.29in	1				
LFLD3W80	9.49inch	7.25inch	2.84inch	1				
LFLD3W150	11.85inch	9.03inch	3.64inch	1				



Ordering Guide¹





Model Series	3-WATTselect [W]	CCTselect [K]	Series	Voltage [V]	Finish	Button Photocell
LFLD Flood Light	3W35 15W / 20W / 35W	3 3000K 4000K 5000K	E1 Everest	/ U 120-277V	D Dark Bronze B Black W White # Custom RAL#	/ PS Built-in Button Photocell
	3W80 35W / 60W / 80W					
	3W150 100W / 120W / 150W					
CATALOG #:						
LFLD		3	E1	/ U		/ PS

Compatible Accessory Options Guide²

Mount	
<input type="checkbox"/> KN	Knuckle (35W/80W/150W)
<input type="checkbox"/> SP	Slip-Fitter (80W/150W)
<input type="checkbox"/> TN	Trunnion (150W)
<input type="checkbox"/> YK	Yoke (35W/80W/150W)

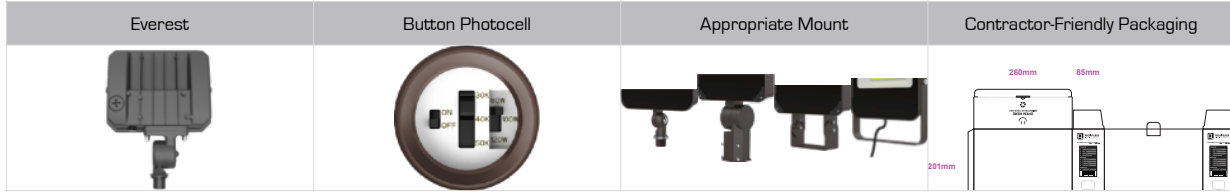
OPTIONAL ACCESSORIES #:

Compatible Accessories

Category	Ordering Code	Model No.	Description	Ordering Code	Model No.	Description
Mount	 KN	LFLD-E1/KN	Knuckle	 TN	LFLD-E1/TN	Trunnion
	 SP	LFLD-E1/SP	Slip Fitter	 YK	LFLD-E1/YK	Yoke



What is in the Box?



Installation Methods

WATTselect & CCTselect Settings

See Installation Guide for more details

LFLD-Everest | Installation Guide

luxoARCH

Attention:

- Using the standard working voltage: AC120V 277V & AC120/247V 50/60Hz, do not exceed.
- Be sure the power supply is turned off before installation.
- Switch off power of the mains supply or the connection lead respectively before doing any work.
- Please note waterproof, dust proof, electricity prevention and shockproof for the external power wires.
- Be sure the connection between the wires is in good condition when install the device, beware of leakage.
- Please read the specifications carefully before installation.
- The complete installation must be handled by an electrical expert.

Warning:

- Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please do not install or use it.
- The products itself and all its components should not be mechanically stressed.
- Installation must not damage or destroy conducting paths or other parts of the product.
- Installation of LED product (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may damage or destroy the LED products.
- If firing on metallic or otherwise conductive surfaces, there should be an electrical insulator between the product and the mounting surface.
- All LEDs are static sensitive. Precautions should be taken to ensure that LEDs are well protected from ESD during handling, even though the chips are safe in low static-electric discharge events.
- DO NOT operate LEDs in reverse bias.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- Identify Positive (+) and negative (-) terminals of the power supply by using ammeter.
- Electrical connection should be in a dry area unless adequately sealed.
- This product series emits high light output. DO NOT look directly into the light emitting area. Direct exposure to the light over an extended time period may harm eyes.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Correct disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take the product for environmental safe recycling.

Adjust WATTselect and CCTselect

- Use a screwdriver to remove the firing screws, as shown in Figure 1.
- Remove the firing screws and cover plate, as shown in Figure 2.
- Flip the color temperature switch to the desired color temperature. Flip the power switch to the desired setting, as shown in Figure 3.
- Restore the installation in the order of Step 321, as shown in Figure 4.

On/Off

CCTselect

WATTselect

Detailed View

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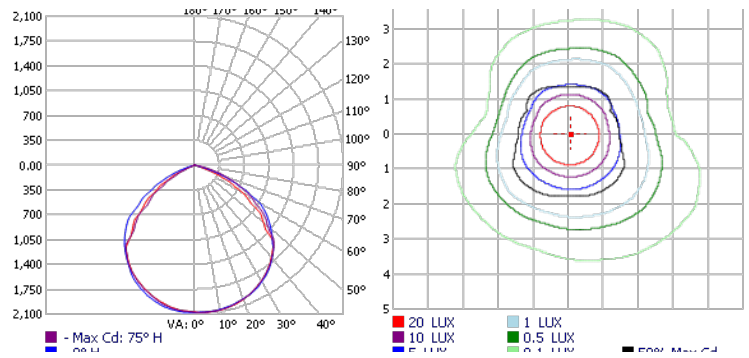
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Direct/Indirect Photometrics

35W | 5000K

Luminous Distribution

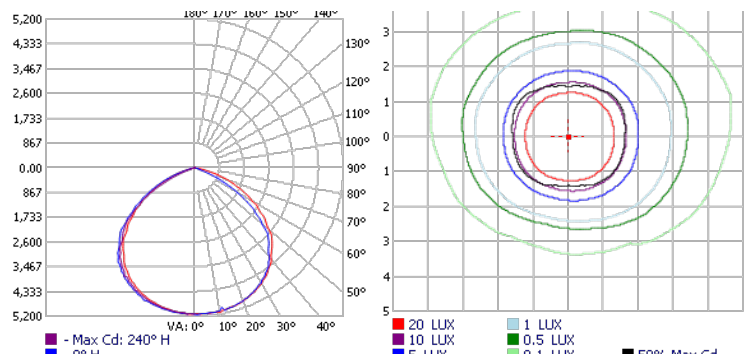
Isocandela Diagram



80W | 5000K

Luminous Distribution

Isocandela Diagram



150W | 5000K

Luminous Distribution

Isocandela Diagram

