

COMMERCIALPRO SERIES

luxoARCH

# LFLD

15W - 200W  
**LED FLOOD LIGHT**

COMMERCIAL GRADE

## PRODUCT OVERVIEW:

The luxoARCH LED flood-light luminaire is an efficient high performing solution with a low-profile design. Rugged on the outside with cast aluminum housing that minimizes wind load and featuring an integrated, waterproof driver compartment, the LFLD-series is designed for use at commercial and retail complexes, hospitality and residential facilities, overhead roadway signages and other general lots requiring controlled lighting beam spread.





## MODEL SPECIFICATIONS:

Model	Watt (W)	Lumens (LM)	Voltage	CCT (K)
LFLD15	15W	2,000LM	120-277V	3000K 4000K 5000K
LFLD27	27W	3,600LM	120-277V	3000K 4000K 5000K
LFLD45	45W	5,700LM	120-277V	3000K 4000K 5000K
LFLD60	60W	7,500LM 7,600LM	120-277V 347-480V	3000K 4000K 5000K
LFLD70	70W	8,900LM 9,300LM	120-277V 347-480V	3000K 4000K 5000K
LFLD100	100W	13,300LM	120-277V 347-480V	3000K 4000K 5000K
LFLD135	135W	18,000LM	120-277V 347-480V	3000K 4000K 5000K
LFLD200	200W	26,200LM	120-277V 347-480V	3000K 4000K 5000K

## PROJECT DETAILS:

Project Name:

Distribution Partner:

Notes:

## KEY FEATURES:

- LED Rated Life of 100,000 Hours Based on IES LM80 and TM21
- Pre-Treated and Powder-Coated Die-Cast Aluminum Housing, Electrical Compartment and Fitter Areas
- Integrated Door Frame Featuring Accessory Channel for Mount and Light Control Options
- Protect Against Contaminants, Continuous Extruded Silicon Gasket Around Door Frame
- Optimal Performance Illumination Avoids Shadowing Between Mounting Accessories
- Thermally Isolated Driver Installed on Ventilated Housing
- Advanced NEMA Type Optics (7Hx6V or 4Hx4V)
- High Performing Acrylic Optics

## UNIVERSAL SPECIFICATIONS:

- **Housing:** Durable die-cast aluminum
- **Operating Temp:** -40°F — 130°F
- **Input Voltage:** 120-277Vac
- **IP:** UL Wet Location Listed
- **PF:** >0.9 Non-Flicker
- **Efficacy:** 140LM/W
- **Dimming:** 1-10V
- **THD:** <20%
- **CRI:** >70

## APPLICATIONS:



Commercial  
& Retail  
Complexes



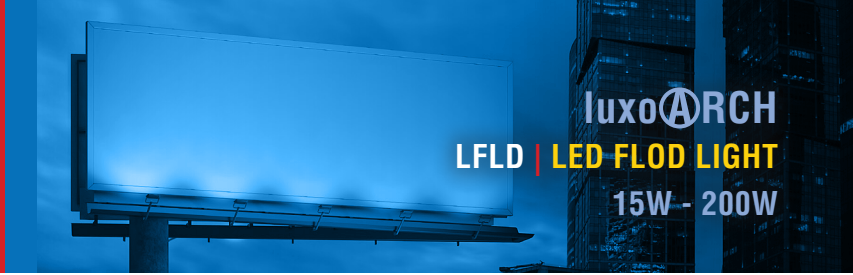
Hospitality &  
Residential  
Facilities



Overhead  
Roadway  
Signages



General  
Lighting



## ORDERING GUIDE:

Model	Watt (W)	CCT (K)	Voltage (V)	Finish (y)	NEMA (a)	Photocell (b)	Mount (c)
LFLD   LED Flood Light	15   15W	30   3000K	U   120-277V	D   Dark Bronze	B76   7Hx6V	Blank   No Photocell PA   120-277V Photocell	Blank   No Mount A   Slip-Fitter B   Knuckle C   Trunnion D   Yoke
	27   27W	40   4000K					
	45   45W	50   5000K					
	60   60W						
	70   70W						
	100   100W						
	135   135W						
200   200W							

Choose Your Model Specifications Above:

LFLD	100   100W	50   5000K	U   120-277V	D   Dark Bronze	B76   7Hx6V	PA   120-277V Photocell	D   Yoke
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Example Ordering Number: **LFLD100-50-UD-B76-PA-D**

## PRODUCT DIAGRAMS:

### Housing

Features a compact, one-piece die cast housing, saving costs versus models that are extruded or cast and require additional parts. The heat sink is included in the actual casting, further minimizing the need for additional parts.

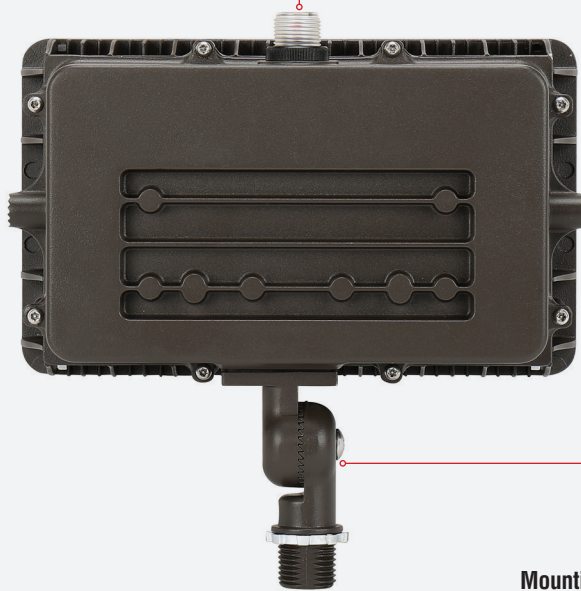
### Photocell Sensor Control

Optional twist-lock photocontrol.



### Advanced NEMA Optics

Available in 7Hx6V (default) or 4Hx4H optics



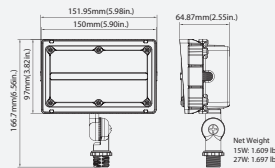
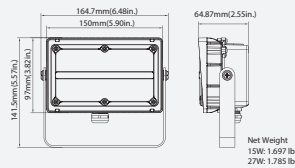
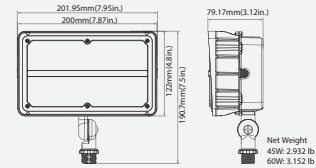
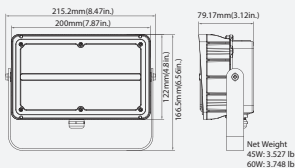
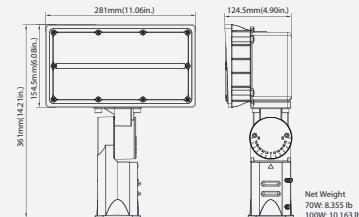
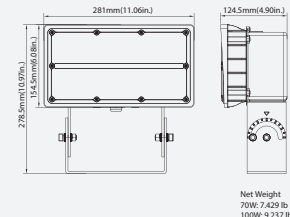
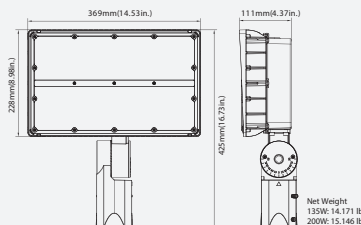
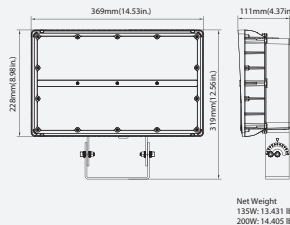
### Mounting Options

Options include: Knuckle Mount, Trunnion Mount, Slip-fitter Mount and Yoke Mount.



## SIZING/MEASUREMENTS:

Model	Mounting Type	Width (in)	Height (in)	Depth (in)	Weight (lb)
LSBX15 LSBX27	Knuckle Mount	5.90	3.82	2.55	15W: 1.609 27W: 1.697
LSBX15 LSBX27	Trunnion Mount	5.90	3.82	2.55	15W: 1.697 27W: 1.785
LSBX45 LSBX60	Knuckle Mount	7.82	4.8	3.12	45W: 2.932 60W: 3.152
LSBX45 LSBX60	Trunnion Mount	7.82	4.8	3.12	45W: 3.527 60W: 3.748
LSBX70 LSBX100	Slipfitter Mount	11.06	6.08	4.9	70W: 8.355 100W: 10.163
LSBX70 LSBX100	Yoke Mount	11.06	6.08	4.9	70W: 7.429 100W: 9.237
LSBX135 LSBX200	Slipfitter Mount	14.53	8.98	4.37	135W: 14.171 200W: 15.146
LSBX135 LSBX200	Yoke Mount	14.53	8.98	4.37	135W: 13.431 200W: 14.405

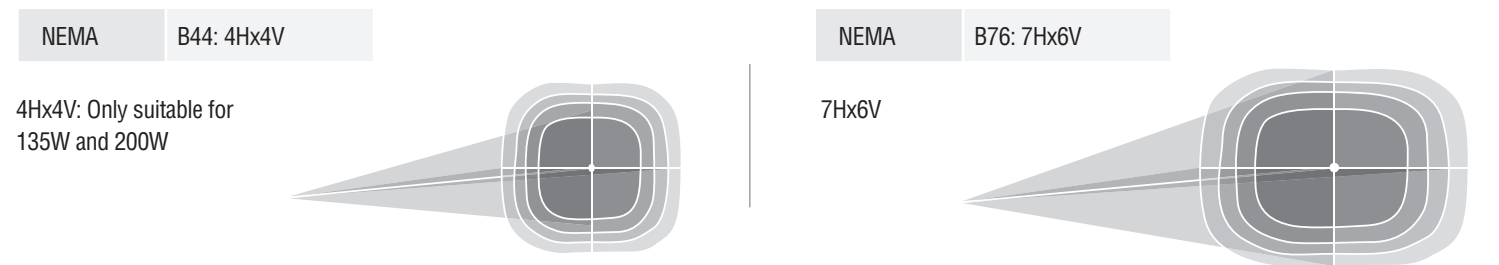
**15W & 27W - Knuckle Mount**

**15W & 27W - Trunnion Mount**

**45W & 60W - Knuckle Mount**

**45W & 60W - Trunnion Mount**

**70W & 100W - Slipfitter Mount**

**70W & 100W - Yoke Mount**

**135W & 200W - Slipfitter Mount**

**135W & 200W - Yoke Mount**




## MOUNTING OPTIONS:




## PHOTOMETRICS:



## AREA LIGHTING EPA:

Item	1	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
70W/100W	0.2885	0.6097	0.7475	0.577	0.8982	0.8196	0.8982
150W/200W	0.3868	0.8125	0.9973	0.7736	1.1993	1.0874	1.1993
250W/300W	0.536	1.061	1.278	1.072	1.597	1.803	1.597

## ACCESSORIES:

Photocell	Photocell is field installed or pre-installed	
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## INSTALLATION GUIDE:

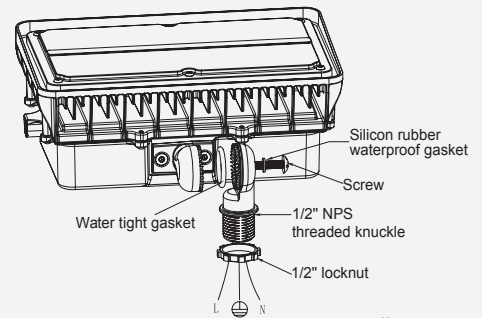
### PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- To prevent personal injury or product damage only licensed electricians should install.
  - To avoid electric shock or component damage disconnect power before attempting installation or servicing.
  - This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
  - Disconnect product and allow cooling prior to servicing.
  - Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
  - LIMIT RANGE OF ADJUSTMENT TO.
  - Suitable for operation in ambient temperatures ranging from -40°C to 45°C.
  - This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
  - In 75°C supply conductors.
  - Suitable for mounting within 1.2 m (4 ft) of the ground
  - This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.

### 1/2" NPS Knuckle Mount (Figure 1.)

- Thread knuckle into the 1/2" NPS hole and secure it with 1/2" locknut
- Make electrical connections from the supply ground (L/N) lead to fixture ground (L/N) lead respectively, making sure to follow all National Electrical Code and all applicable local codes and ordinances
- Aim fixture by loosening screw on knuckle of fitter and rotating fixture to desired tilt angle. Re-tighten screw.
- While making electrical connections, ensuring water does not enter fixture through 1/2" fitter.
- Installation and service of luminaires should be performed by a qualified licensed electrician.

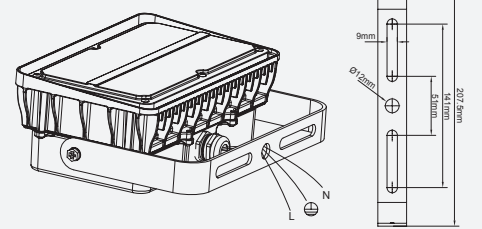
Figure 1.



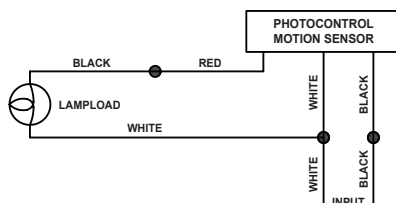
### Trunnion Mounting (Figure 2.)

- Mount fixture onto surface using the hole pattern provided on the trunnion bracket.
- Make electrical connections from the supply ground (L/N) lead to fixture ground (L/N) lead respectively, making sure to follow all National Electrical Code and all applicable local codes and ordinances
- Aim fixture by loosening screw on knuckle of fitter and rotating fixture to desired tilt angle. Re-tighten screw.
- While making electrical connections, ensuring water does not enter fixture through 1/2" fitter.
- Installation and service of luminaires should be performed by a qualified licensed electrician

Figure 2.



## WIRING:



Black	○	Line
White	○	Neutral
Green/Yellow Green	○	Ground
Purple	○	DIM+
Gray	○	DIM-

## WARRANTY:

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 **7 Year**       **75,000-Hours**

The lesser of 7-Years after shipment by Seller, or 75,000-Hours of use.

ARCHIPELAGO will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of use of the above product or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substituted products, facilities of services, downtime cost, or claims of claimant's customers. ARCHIPELAGO's liability on any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement of from the product or services furnished hereunder shall not exceed the price of the specific product or products listed above which gives rise to the claim. This warranty gives the claimant specific legal rights. The claimant may also have other rights, which vary from state to state.

For a complete documentation of ARCHIPELAGO Lighting, Inc. warranty and limitation of liability, please refer to [www.archipelagolighting.com](http://www.archipelagolighting.com).

## CERTIFICATIONS:

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## QUESTIONS?:

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### **Archipelago Lighting, Inc.**

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## ARCHIPELAGO LIGHTING:

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Archipelago Lighting, Inc. manufactures commercial and residential lighting products in USA and China. We are a team of passionate lighting professionals whose goal is to modernize the lighting industry through disruptive LED lighting products. We manufacture a wide variety of products to support the growing adoption of energy efficient LED applications.

