AUROION

# AL-LHB-OFS-A

| | |
|---|---|
| Catalog Number | |
| Notes | |
| Type | |



FORGELINE1.5FT FORGELINE2FT FORGELINE2.5FT

DIMMING CONTROLS · SELECTABLE WATTAGE & CCT · 50,000 HOURS LIFE SPAN · EMERGENCY BACKUP AVAILABLE · 120–277V · 5 YEARS WARRANTY · DAMP LOCATION

UL CERTIFIED · DLC LISTED · IK10 TOUGH IMPACT RATED · IP65 RATED

INDUSTRIAL SERIES

# FORGELINE

## WATERPROOF ALUMINUM LINEAR HIGH BAY, SENSOR-READY

## TOP FEATURES

- **Designed to Replace Bulb Fixtures up to 1000W HID***
- **Smart Sensor-Ready**
- **High Efficiency, Up to 173 lm/W**
- **Built-In Dip Switch for Different Optics:** Medium, Aisle, Narrow, Wide
- Waterproof Aluminum exterior, suitable for wet locations
- Universal 120–277 Voltage with 6kV Surge Protection
- UL Listed & DLC 6.0 Premium Listed
- 4-Wattage, Selectable (see Performance for details)
- 10,900-61,600 Lumens
- 3 CCT Field Adjustable, 3500K / 4000K / 5000K
- Lumen Maintenance L70 100,000-Hour Lifespan
- Smooth, consistent 0–10V flicker-free dimming
- CRI≥80
- Environment ready, operates from 0°C to 40°C

## SPECIFICATIONS

**Electrical:**
- Input Voltage: Universal 120–277V, 50 - 60Hz rating
- 6kV surge protection
- Driver includes dimming control wiring for 0-10V dimming systems. The dim-to-off voltage threshold of optional 12V aux integrated driver ranges from 0.1V to 0.5V

**Construction:**
- Waterproof Aluminum housing
- Long-lasting powder coated paint for enhanced durability
- Built-in dip switch

**Certifications & Regulatory:**
- UL Listed, Wet Location
- DLC 6.0 Premium
- IK10 Rated
- IP65 Rated

**Warranty:**
- 5 Year Labor Warranty (see complete warranty terms for details)

**Testing:**
- IESNA LM-79 & IESNA LM-80 tested by 3rd-party laboratory

**Performance:**
- Suitable for wet locations
- Suitable for installation in insulated ceilings (IC Rated) when input power < 50W
- 3CCT Field Adjustable: 3500K, 4000K, 5000K
- Accurate colors: CRI≥80
- Flicker-free 0-10V dimming capability, down to 10%
- Operating temp range -7.6°F to 131°F (-22°C to 55°C)
- Long-life, high-efficacy, micro-power leds
- Lumen Maintenance, L70 > 100,000 hours
- Power Factor: ≥0.9 for stable performance
- Total Harmonic Distortion: <20%

## BENEFITS

- **Field-Adjustable Versatility:** 3 selectable color temperatures, 4 wattage settings, and 4 different beam angles, delivering a highly adaptable range of up to 61,600 lumens
- **Ultra-High Efficiency:** Maximizes energy savings with an exceptional efficiency of up to 173 lm/W and features a premium frosted polycarbonate glare-control lens for uniform light distribution
- **Extreme Lifespan & Warranty:** Engineered for long-term commercial reliability with an incredible L70 lifespan of 100,000 hours
- **Advanced Control Integration:** Smart sensor-ready, smooth flicker-free 0-10V continuous dimming for effortless automation and compliance
- **Industrial-Grade Reliability:** Features a universal 120–277V driver with integrated 6kV surge protection, backed by top-tier UL and DLC 6.0 Premium safety and performance certifications

## APPLICATIONS

Open-Plan Corporate Offices
Conference Rooms
Boardrooms
Medical Clinics
Dental Clinics
Retail Showrooms
Supermarkets
K-12 Classrooms
Lecture Halls
University Libraries
Study Areas
Hospital Corridors
Nurses' Stations
Government Offices
Municipal Buildings
Electronic Assembly Lines
Cleanrooms
Commercial Kitchens
Food Prep Areas (Dry Zones)
Climate-Controlled Warehouses
Fulfillment Picking Hubs
Commercial Garages
Loading Control Rooms

## PERFORMANCE

| PART#: AL-LHB-OFS-A | 1.5FT/160/128/96/64 | | | | 2FT/260/208/156/104 | | | | 2.5FT/320/256/192/128 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WATTAGE: | 64 | 96 | 128 | 160 | 104 | 156 | 208 | 260 | 128 | 192 | 256 | 320 |
| LUMENS: | 10900 | 16100 | 20800 | 25600 | 18000 | 26600 | 34800 | 42700 | 22100 | 32640 | 42700 | 52500 |
| EFFICACY (lm/W): | 171 | 168 | 163 | 160 | 173 | 170 | 167 | 164 | 173 | 170 | 167 | 164 |
| CCT: | 3500K | 4000K | | 5000K | 3500K | 4000K | | 5000K | 3500K | 4000K | | 5000K |
| COLOR ACCURACY (CRI): | 80 | | | | 80 | | | | 80 | | | |
| PART#: AL-LHB-OFS-A | 1.5FT/200/160/120/80 | | | | 2FT/315/252/189/126 | | | | 2.5FT/400/320/240/160 | | | |
| WATTAGE: | 80 | 120 | 160 | 200 | 126 | 189 | 252 | 315 | 160 | 240 | 320 | 400 |
| LUMENS: | 13000 | 19200 | 25200 | 30800 | 20600 | 30400 | 39200 | 48000 | 26000 | 38400 | 50300 | 61600 |
| EFFICACY (lm/W): | 163 | 160 | 157 | 154 | 164 | 161 | 156 | 152 | 163 | 160 | 157 | 154 |
| CCT: | 3500K | 4000K | | 5000K | 3500K | 4000K | | 5000K | 3500K | 4000K | | 5000K |
| COLOR ACCURACY (CRI): | 80 | | | | 80 | | | | 80 | | | |

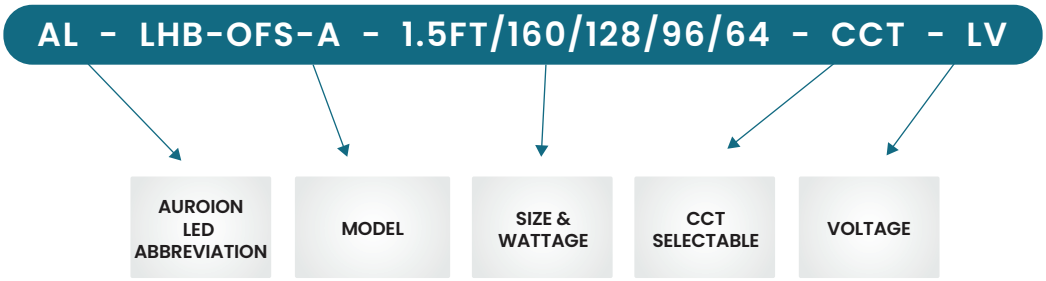
Performance data is based on test performed at 120v.

**FORGE**LINE

WATERPROOF ALUMINUM LINEAR HIGH BAY, SENSOR-READY (AL-LHB-OFS-A)

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## ORDERING MATRIX




### ORDERING INFORMATION: AL-LHB-OFS-A

| MODEL | | SIZE & WATTAGE | | CCT | | VOLTAGE | |
|---|---|---|---|---|---|---|---|
| **AL-LHB-OFS-A** | = WATERPROOF ALUMINUM LINEAR HIGH BAY, SENSOR-READY | **1.5FT/160/128/96/64 =** | 1.5 FT., 160W/128W/96W/64W | **CCT** = | 3500K, 4000K, 5000K | **LV =** | 120-277V |
| | | **1.5FT/200/160/120/80 =** | 1.5 FT., 200W/160W/120W/80W | | | | |
| | | **2FT/260/208/156/104 =** | 2 FT., 260W/208W/156W/104W | | | | |
| | | **2FT/315/252/189/126 =** | 2 FT., 315W/252W/189W/126W | | | | |
| | | **2.5FT/320/256/192/128 =** | 2.5 FT., 320W/256W/192W/128W | | | | |
| | | **2.5FT/400/320/240/160 =** | 2.5 FT., 400W/320W/240W/160W | | | | |

## ACCESSORIES

### ACCESSORIES (SHIPPED SEPARATELY)

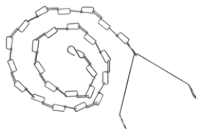
| MODEL | PRODUCT # | PRODUCT DESCRIPTION |
|---|---|---|
| **AL-LHB** | **AL-HB-PT-AC-3.7FT** | 3.7 FT. CHAIN HOOK |
| | **AL-HB-PT-SMK** | SURFACE MOUNT KIT |
| | **AL-HB-PT-YMB-1.5FT** | YOKE MOUNT BRACKET FOR AL-LHB-OFS-A-1.5FT |
| | **AL-HB-PT-YMB-2FT** | YOKE MOUNT BRACKET FOR AL-LHB-OFS-A-2FT |
| | **AL-HB-PT-YMB-2.5FT** | YOKE MOUNT BRACKET FOR AL-LHB-OFS-A-2.5FT |
| | **AL-HB-PT-WG-1.5FT** | WIREGUARD FOR AL-LHB-OFS-A-1.5FT |
| | **AL-HB-PT-WG-2FT** | WIREGUARD FOR AL-LHB-OFS-A-2FT |
| | **AL-HB-PT-WG-2.5FT** | WIREGUARD FOR AL-LHB-OFS-A-2.5FT |
| | **AL-HB-PT-EM** | EM BATTERY BACKUP |

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## ACCESSORIES (CONTINUED)



3.7 Ft. Chain Hook



Surface Mount Kit



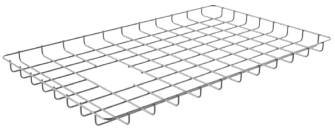
Yoke Mount Bracket for AL-LHB-OFS-A-1.5FT



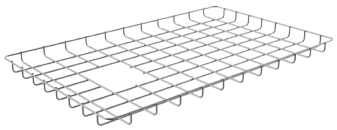
Yoke Mount Bracket for AL-LHB-OFS-A-2FT



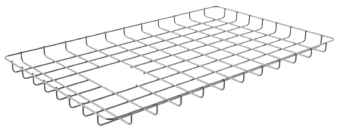
Yoke Mount Bracket for AL-LHB-OFS-A-2.5FT



Wire Guard for AL-LHB-OFS-A-1.5FT



Wire Guard for AL-LHB-OFS-A-2FT



Wire Guard for AL-LHB-OFS-A-2.5FT



EM Battery Backup

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(AL-LHB-OFS-A)

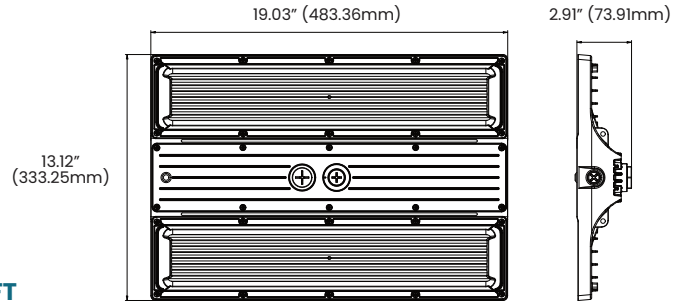
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## DIMENSIONS

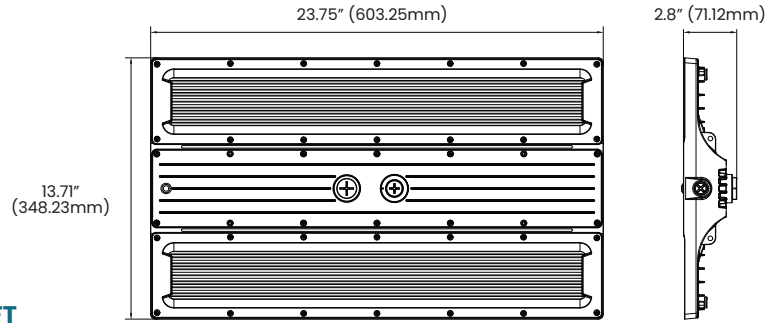
LENGTH

Size unit: inch (mm)

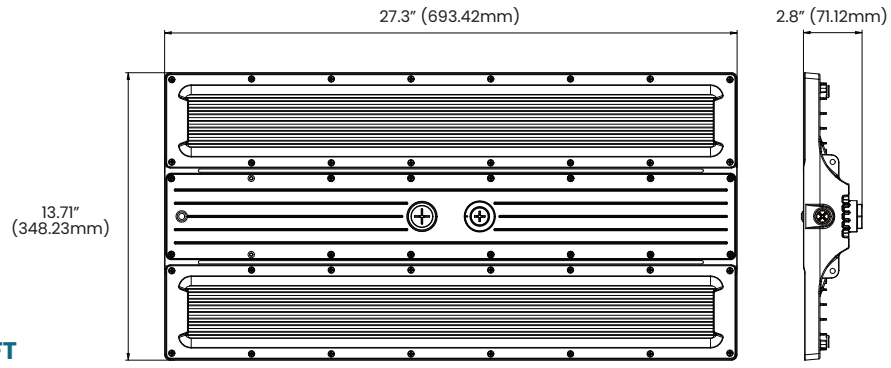
**1.5 FT**




**2 FT**




**2.5 FT**

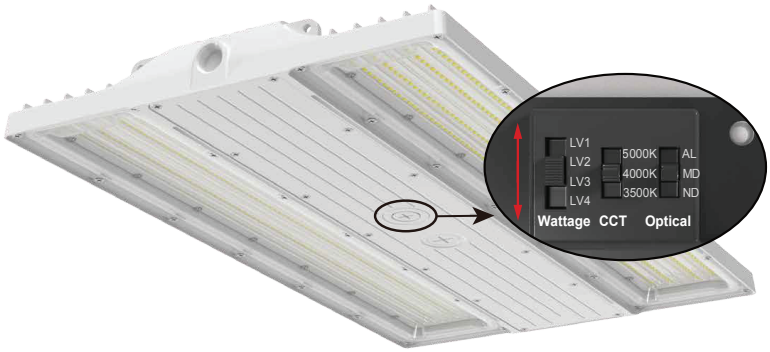


# **FORGE**LINE

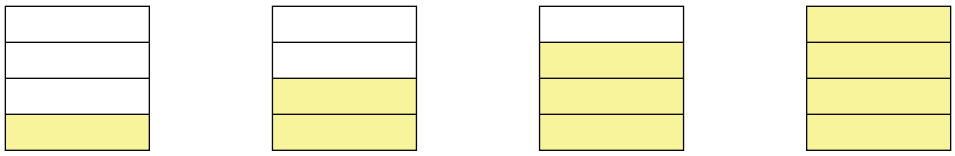
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## CONFIGURATION




### Field-Selectable Wattages



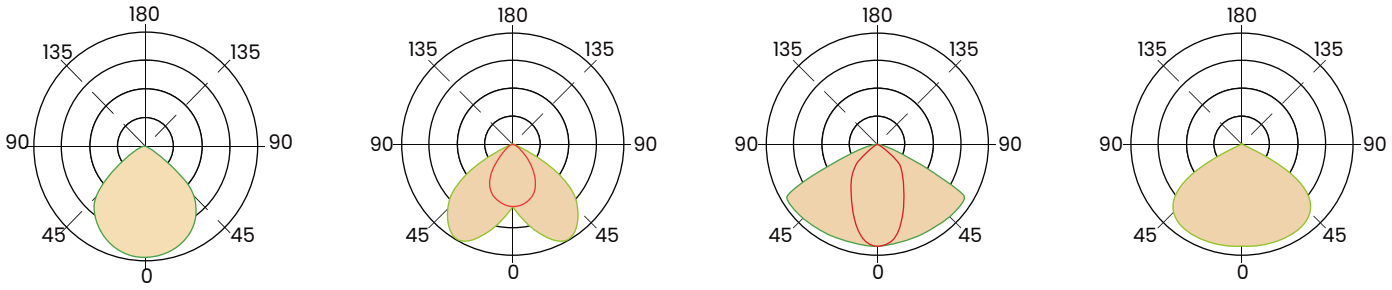
Level 1 | Level 2 | Level 3 | Level 4

### Field-Selectable CCTs



3500K | 4000K | 5000K

### Field-Selectable Beam Angles




Medium | Aisle | Narrow | Wide (Optional)

**AUROION LED**
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