

# HARSH ENVIRONMENT LINEAR LED HIGH BAY

## LHB-AN SERIES

### DESCRIPTION

The new LHB AN Series High Bay LED luminaires are engineered for complex and harsh environments to address the limitations of traditional linear high bays in specifically demanding applications including corrosive environments.

The main structure is extruded anodized AL6063, the LED carriers are thin film TCDL type on Aluminium MCPCB or on Copper base substrate as an option for high temperature environments. End plates are ADC12 with a proprietary powder coating or optional Elastomeric Protection (EP) or Fluorocarbon Deposition (FD). The LHB AN Series features an internal driver and wiring configuration and an advanced surface treatment for long lasting protection from the elements.

Practically indestructible engineered polycarbonate lenses and molded synthetic polymer gaskets protect against particulate intrusion & SS304/316 type hardware ensures long term package reliability. The LHB-AN Series is available in Twin/Triple and Quad configurations for wider coverage requirements.

The LHB AN Series LED luminaires presents a smooth and undisturbed surface allowing it to remain clean and uncontaminated providing for improved maintenance factor. With an ingress protection rating of IP65 and a low void design, the LHB AN Series of LED luminaires are harsh environment capable, sealed against the infiltration of airborne contaminants and feature very low maintenance cycle requirements.

Long term reliability is achieved via the use of superior materials, electronics and exceptional engineering. Efficacies of >160lm/w are possible by reducing light emission losses from thermal, electrical and optical systems. The LHB AL Series LED luminaires with on board digital drivers with 4 way power protection and optional thermal roll back provide stable performance and guard against lumen depreciation. Proven reliable under demanding conditions with a robust design and best in class LED engines from NICHIA™.



### APPLICATIONS

- Natatorium & Aquatic
- Decontamination Areas
- Heavy Industry Service Bays
- Transportation/Rail
- Machining, Welding & Fabrication
- Automotive Manufacturing

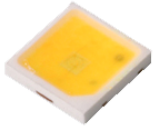
### LHB-AN SERIES SPECIFICATIONS

| FIXTURE SERIES    | POWER | LED TYPE       | CCT                         | DISTRIBUTION  | EXIT LUMEN RANGE | OPERATING VOLTAGE       | IP RATING | DIMENSIONS                                   |
|-------------------|-------|----------------|-----------------------------|---|------------------|-------------------------|-----------|--|
| LR-LHB-AN-060W-XX | 60W*  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 8400-9600lm      | AC90-277V<br>AC180-508V | IP65      | L310 x W195x H92mm<br>L12.2" x 7.6" x 3.6"   |
| LR-LHB-AN-120W-XX | 120W  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 16800-19200lm    | AC90-277V<br>AC180-508V | IP65      | L620 x W195x H92mm<br>L24.4" x 7.6" x 3.6"   |
| LR-LHB-AN-150W-XX | 150W  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 21000-24000lm    | AC90-277V<br>AC180-508V | IP65      | L620 x W195x H92mm<br>L24.4" x 7.6" x 3.6"   |
| LR-LHB-AN-180W-XX | 180W  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 25000-28000lm    | AC90-277V<br>AC180-508V | IP65      | L920 x W195x H92mm<br>L36.2" x 7.6" x 3.6"   |
| LR-LHB-AN-210W-XX | 210W  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 29400-33600lm    | AC90-277V<br>AC180-508V | IP65      | L920 x W195x H92mm<br>L36.2" x 7.6" x 3.6"   |
| LR-LHB-AN-240W-XX | 240W  | NICHIA™ 757SMD | 4500K<br>(2700-6500K avail) | 30° x 70° / 40° x 80°<br>70° x 70° / 30° x 110°<br>55° x 130° | 33600-38400lm    | AC90-277V<br>AC180-508V | IP65      | L1220 x W195x H92mm<br>L48.03" x 7.6" x 3.6" |

\* Optional Power Configurations



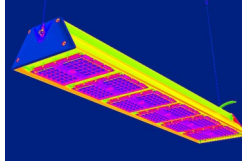
FEATURES



HIGH PERFORMANCE  
757 LED ENGINES



POLYCARBONATE  
LENSING



SUPERIOR THERMAL  
PERFORMANCE



RUGGEDIZED EXTRUDED  
ALUMINIUM



HIGH EFFICIENCY  
DRIVERS

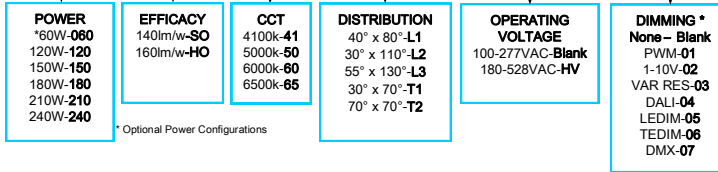
PRODUCT IMAGES



ORDERING INFO: LR-LHB-AN 120-SO-50-L1- - -

ELECTRICAL SPECIFICATIONS

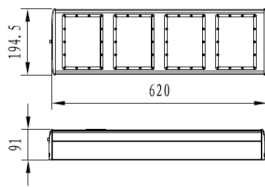
- Power Input: AC100-277V
- AC180-528V (Option)
- Power Factor: ≥97
- THD: ≤16% @ full Load
- Standard 2M/6ft SWOOJ cord length



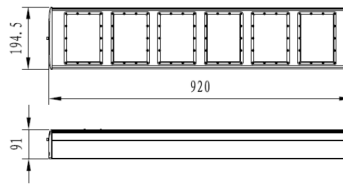
**DIM Control:** 0-5V, 0-10V, 1-10V, 0-20ma, 4-20ma, RS485, RS-232, PWM, RES, LEDIM, TEDIM, DMX512, DMX512/RDM, DALI, Custom  
\* LEDRAYS offers the following dimming options (Please note not all DIM methods apply to a particular product.)

DIMENSIONS mm (± 1.1mm) / NET WEIGHT kg/lbs (± 0.4kg/± 0.88lbs)

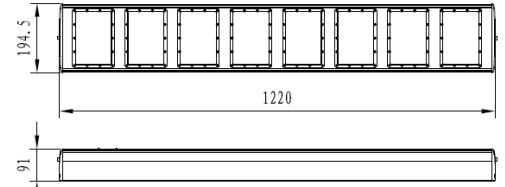
| POWER | WEIGHT       |
|-------|--------------|
| 60W   | 3.6kg/7.92lb |
| 120W  | 4.8kg/10.6lb |
| 150W  | 5.1kg/11.3lb |
| 180W  | 6.5kg/14.3lb |
| 210W  | 6.9kg/15.2lb |
| 240W  | 8.3kg/18.3lb |



120/150W

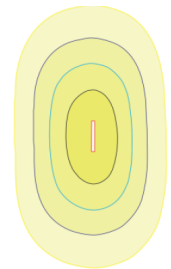
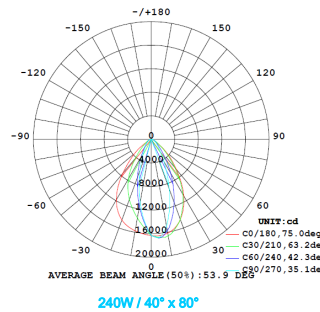
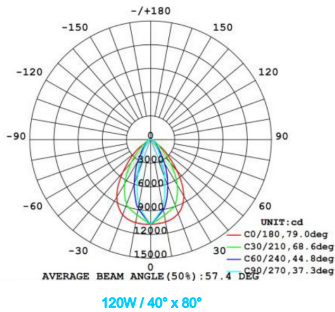


180/210W



240W

PHOTOMETRIC DISTRIBUTION



The specifications in this brochure are representative and must not be interpreted as a guarantee of individual product performance and/or characteristics. LEDRAYS Inc. has a policy of continuous advancements & development specifications may change without notice. Please contact your agent for updates.

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