

HARSH ENVIRONMENT HIGH BAY LED LUMINAIRES

DESCRIPTION

The new LHB AL Series High Bay LED luminaires are engineered for difficult and harsh environments to address the limitations of traditional linear high bays in specific demanding applications. The main structure, LED carriers, end plates and Driver/wiring enclosure is AL6063 type Aluminium with 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 reliability.

The LHB AL 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 the LHB AL Series 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™ .

Available in two distribution configurations featuring AIM&GO adjustable lensing for greater control and more precise coverage. Selection of the right linear high bay luminaire for tougher applications is simplified and uncompromised with the 4 standard & 3 optional power configurations to accommodate most applications.



APPLICATIONS

- Natatorium & Aquatic
- Wash Bays
- Service Centers
- Transportation/Rail
- Warehousing & Storage
- Hybrid Fabric Structures

LHB-AL SERIES SPECIFICATIONS

| FIXTURE SERIES | POWER | LED TYPE | CCT | DISTRIBUTION | EXIT LUMEN RANGE | OPERATING VOLTAGE | IP RATING | DIMENSIONS |
|-------------------|-------|----------------|-------------------------------|--------------------------------|------------------|-------------------------|-----------|--|
| LR-LHB-AL-60W-XX | 60W* | NICHIA™ 757SMD | 4500K (2500-6500K avail) | 60~80° x 110° 60~80° x 150° | 8,400-9000lm | AC90-277V AC180-508V | IP65 | L390 x W235 x H90mm L15.4 " x 9.3 " x 3.5 " |
| LR-LHB-AL-120W-XX | 120W | NICHIA™ 757SMD | 4500K (2500-6500K avail) | 60~80° x 110° 60~80° x 150° | 16,800-18,000 | AC90-277V AC180-508V | IP65 | L615 x W235 x H90mm L24.3 " x 9.3 " x 3.5 " |
| LR-LHB-AL-150W-XX | 150W | NICHIA™ 757SMD | 4500K (2500-6500K avail) | 60~80° x 110° 60~80° x 150° | 21,000-22,500 | AC90-277V AC180-508V | IP65 | L615 x W235 x H90mm L24.3 " x 9.3 " x 3.5 " |
| LR-LHB-AL-200W-XX | 200W | NICHIA™ 757SMD | 4500K (2500-6500K avail) | 60~80° x 110° 60~80° x 150° | 28,000-30,000 | AC90-277V AC180-508V | IP65 | L615 x W235 x H90mm L24.3 " x 9.3 " x 3.5 " |
| LR-LHB-AL-300W-XX | 300W | NICHIA™ 757SMD | 4500K (2500-6500K avail) | 60~80° x 110° 60~80° x 150° | 42,000-45,000 | AC90-277V AC180-508V | IP65 | L915 x W235 x H90mm L36.0 " x 9.3 " x 3.5 " |

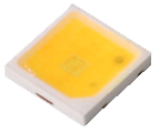
* Optional Power Configurations



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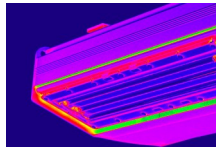
FEATURES



HIGH PERFORMANCE
757 LED ENGINES



POLYCARBONATE
LENSING



SUPERIOR THERMAL
PERFORMANCE

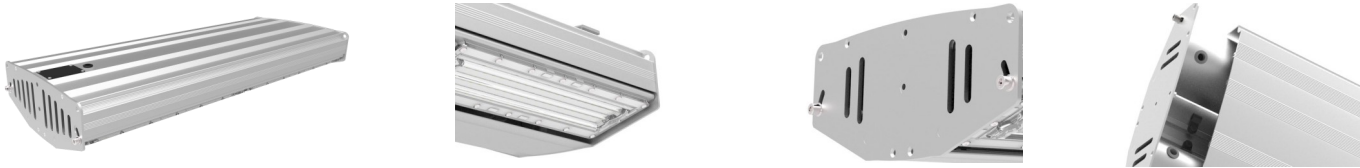


RUGGEDIZED ALUMINIUM
STRUCTURE



HIGH EFFICIENCY
DRIVERS

PRODUCT IMAGES



ORDERING INFO: LR-LHB-AL 120-SO-50-T1

ELECTRICAL SPECIFICATIONS

1. Power Input: AC100-277V
2. AC180-528V (Option)
3. Power Factor: ≥98
4. THD: ≤17% @ full Load
5. Standard 2M/6ft cord length

| | | | | | |
|--|---|--|---|---|---|
| POWER *60W-060 120W-120 150W-150 200W-200 300W-300 | EFFICACY 140lm/w-SO 160lm/w-HO | CCT 4100k-41 5000k-50 6000k-60 6500k-65 | DISTRIBUTION 60-80° x 110°-T1 60-80° x 150°-T2 | OPERATING VOLTAGE 100-277VAC-Blank 180-528VAC-HV | DIMMING * None-Blank PWM-01 1-10V-02 VAR RES-03 DALI-04 LEDIM-05 TEDIM-06 DMX-07 |
|--|---|--|---|---|---|

* Optional Power Configurations

DIM Control: 0-5V, 0-10V, 0-20ma, 4-20ma, RS485, RS-232, PWM, RES, LEDIM, TEDIM, DMX512, DALI, Custom

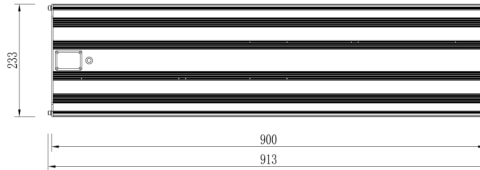
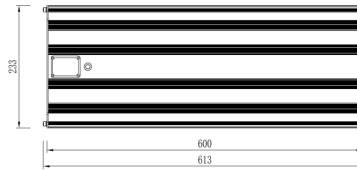
* LEDRAYS offers the following dimming options (Please note not all DIM methods apply to a particular product)

DIMENSIONS mm/ WEIGHTS kg/lbs (± 0.4kg/± 0.88lbs)

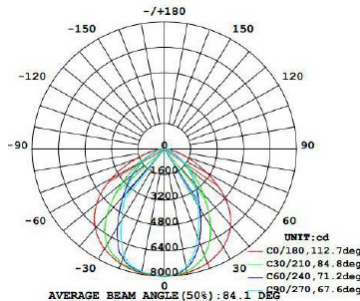
60W 3.7kg/8.15lb -120W 4.8kg/10.6lb -150W 5.1kg/11.3lb - 200W 5.4kg/11.9lb



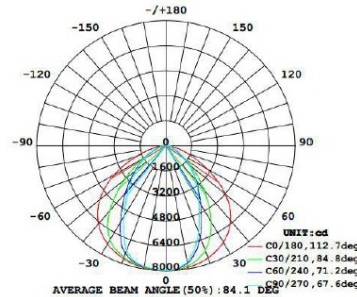
300W (8.9kg 19.6lbs)



PHOTOMETRIC DISTRIBUTION



120W / 60-80° x 110°



300W / 60-80° x 110°



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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