

2026 PRODUCT CATALOG

AR PREMIUM SERIES

SERIES LED HIGH BAY

High-efficacy industrial lighting
engineered for demanding spaces.



UP TO
190 lm/W

POWER
100-240W

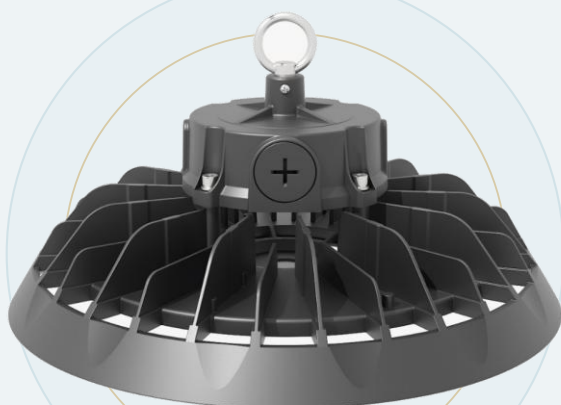
PROTECTION
IP65 / IK08

WARRANTY
5 YEARS

AR PREMIUM SERIES

Engineered for industrial performance

Premium optical control, robust construction and energy-saving intelligence in one compact high-bay platform.



ALROUF HIGH BAY

Die-cast aluminium housing | Polycarbonate optic

Available in 100W, 150W, 200W and 240W

190 lm/W

Maximum luminous efficacy

**IP65 / IK08
IK08**

Ingress and impact protection

**60° / 90° /
120°**

Interchangeable beam optics

5 Years

Standard product warranty

-30°C to +50°C

Wide operating range

1-10V / DALI-2

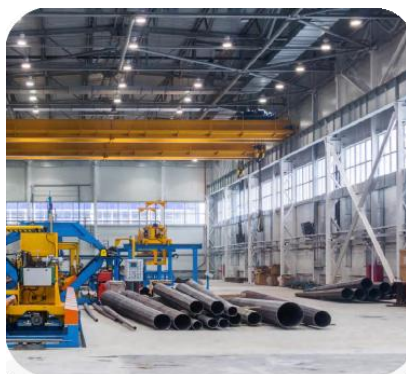
Optional smart control

BUILT FOR

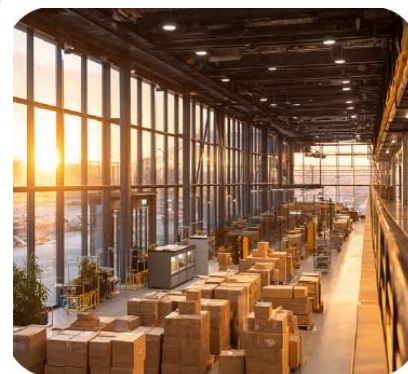
High-output applications

**Manufacturing**

Factory workshops and clean production areas

**Heavy Industry**

Large-span production and process facilities

**Warehousing**

Logistics, racking aisles and distribution hubs

Designed for easy installation, efficient thermal management and long service life at elevated mounting heights.

TECHNICAL DATA

Performance specifications

Core electrical, optical, mechanical and lifetime parameters for the AR Premium series.

PERFORMANCE

Power range **100W / 150W / 200W / 240W**

Luminous efficacy **150 / 170 / 190 lm/W**

Power efficiency **>= 90%**

Start time **<= 0.2 s**

Warm-up to 60% **0.5 s**

Installation height **4 m to 12 m**

OPTICAL

LED type **SMD2835**

CRI **>80 standard**

Fixed CCT options **3000K / 4000K / 5000K /
5700K / 6500K**

Beam angle **60° / 90° / 120°**

SDCM **< 6**

Upward light ratio **0% ULOR**

ELECTRICAL

Electrical class **Class I**

Nominal voltage **120-277V | 50/60Hz**

Power factor **> 0.90**

THD **< 20%**

Surge protection **6kV L-L / 6kV L-E**

Control options **1-10V / DALI-2 optional**

Driver type **Constant current**

CONSTRUCTION & OPERATING

Housing **Die-cast aluminium ADC12**

Optic **High-strength polycarbonate**

Protection **IP65 / IK08**

Operating range **-30°C to +50°C**

Operating humidity **10-90% RH**

Standard colour **Black | Others by request**

Warranty **5 years**

LED LIFETIME @ TA 25°C

L70B50
>100,000 h

L80B20
>50,000 h

L90B10
>30,000 h

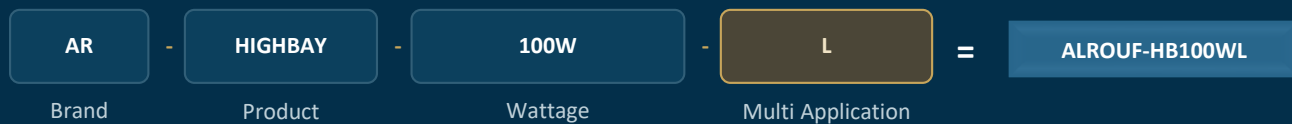
SWITCHING
>100,000 cycles

Certifications: DLC, ETL, CB, SAA, CE and RoHS - availability may vary by configuration and market.

ORDERING INFORMATION

Model range & ordering code

Model numbers follow the required sequence: AR - wattage - lumen output - colour temperature.



PREMIUM VERSION | 190 lm/W | CRI >80

PREMIUM VERSION - 190lm/W

Wattage	Model No.	Lumens	Voltage	CCT	IP Rating	Dimensions
100W	ALROUF-HB100WL	19,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	270 x 158mm
150W	ALROUF-HB150WL	28,500LM	110-277Vac / 220-240Vac	2700-6500K	IP66	295 x 162mm
200W	ALROUF-HB200WL	38,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm
240W	ALROUF-HB240WL	45,600LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm

PRO VERSION - 170lm/W

Wattage	Model No.	Lumens	Voltage	CCT	IP Rating	Dimensions
100W	ALROUF-HB100WL	17,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	270 x 158mm
150W	ALROUF-HB150WL	25,500LM	110-277Vac / 220-240Vac	2700-6500K	IP66	295 x 162mm
200W	ALROUF-HB200WL	34,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm
240W	ALROUF-HB240WL	40,800LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm

STANDARD VERSION - 150lm/W

Wattage	Model No.	Lumens	Voltage	CCT	IP Rating	Dimensions
100W	ALROUF-HB100WL	15,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	270 x 158mm
150W	ALROUF-HB150WL	22,500LM	110-277Vac / 220-240Vac	2700-6500K	IP66	295 x 162mm
200W	ALROUF-HB200WL	30,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm
240W	ALROUF-HB240WL	36,000LM	110-277Vac / 220-240Vac	2700-6500K	IP66	315 x 165mm

Color Temp: 3000K / 4000K / 5000K / 5700K / 6500K | Optional selectable CCT: 4000K / 5000K / 5700K

SYSTEM OPTIONS

Configuration, optics & installation

Flexible control, mounting and optical options allow one platform to cover multiple industrial applications.

CCT & POWER SELECTABLE

Optional field-selectable settings reduce SKU count and simplify site adjustments.

4000K

5000K

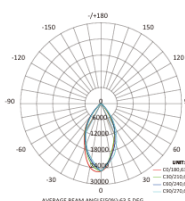
5700K

SELECTABLE CCT

BASE	A	B	C
100W	100W	80W	60W
150W	150W	120W	90W
200W	200W	160W	120W
240W	240W	200W	150W

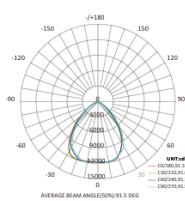


OPTICAL DISTRIBUTION



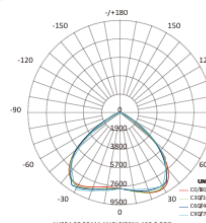
60°
Narrow beam for
higher mounting
and
concentrated
task zones.

OPTIC OPTION



90°
Balanced
distribution for
general factory
and warehouse
areas.

OPTIC OPTION



120°
Wide-area
coverage for
lower mounting
and open-span
spaces.

OPTIC OPTION

DIMENSIONS

Product size: diameter x height

100W

Ø270 x 158 mm

150W

Ø295 x 162 mm

200W / 240W

Ø315 x 165 mm

Recommended installation height: 4 m to 12 m

ACCESSORIES & MOUNTING



Zhaga socket



Sensor



Reflector



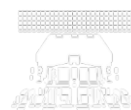
U bracket



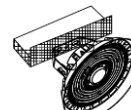
Loop



Chain



Ceiling



Wall

ALROUF
LIGHTING TECHNOLOGY LTD.



الروف
لتقنية الإضاءة المحدودة

LIGHT BUILT FOR INDUSTRY.

Efficient. Reliable. Ready for demanding industrial environments.



MANUFACTURING



HEAVY INDUSTRY



WAREHOUSING

ALROUF LIGHTING TECHNOLOGY CO. LTD.

Dammam, Kingdom of Saudi Arabia

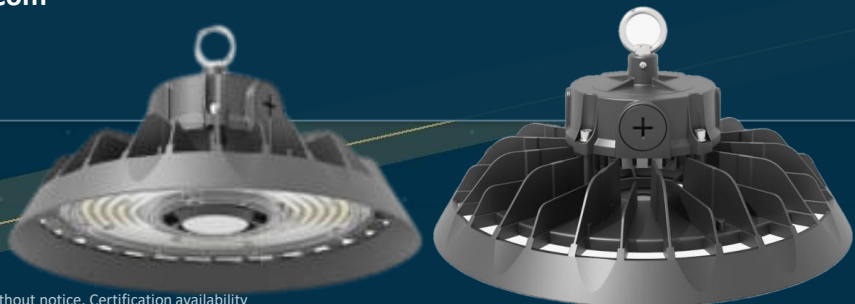
TEL 9200 13524

EMAIL sales@alroufled.com

WEB www.alroufled.com



SCAN TO VISIT



Specifications and optional features are subject to change without notice. Certification availability depends on model and destination market.