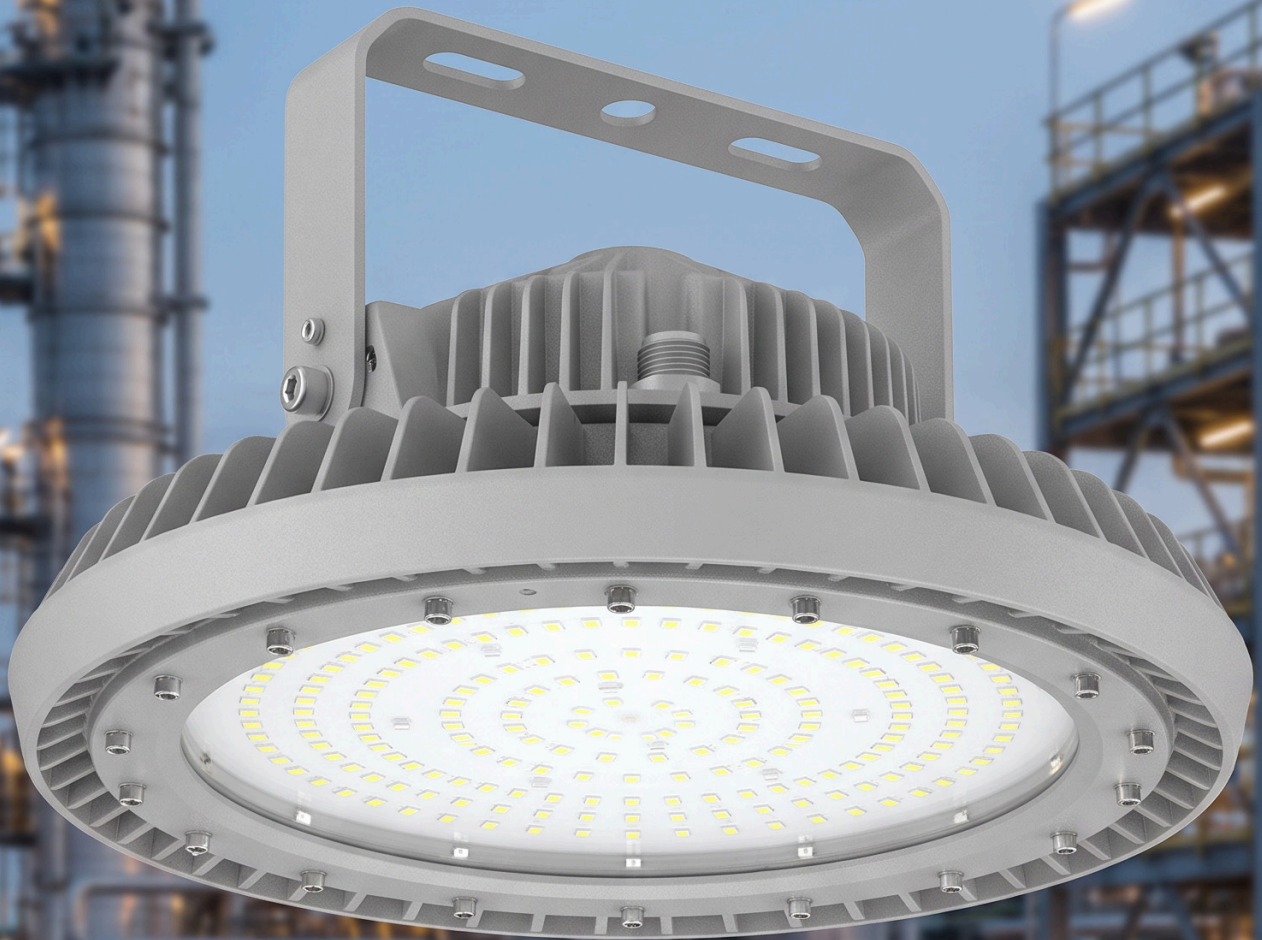


HB3 / HB4 Series

High-Temperature Hazardous Location High Bay





HB3



HB4

Product Description ● — — — — —

This Series HB3/HB4 high-temperature explosion-proof LED light is designed for high-risk, high-temperature applications such as petrochemical plants and oil & gas fields. With UL explosion-proof certification and IP66 ingress protection rating, it can withstand ambient temperatures up to 100°C. Equipped with high-efficiency LED light sources and a die-cast aluminum housing, it delivers reliable performance for a wide range of industrial environments.

Compliance ● — — — — —

- UL 844 Hazardous Locations Class
 - Class I, Division 2, Groups A, B, C and D;
 - Class II, Division 2, Groups F and G;
 - Class III
- UL1598 Luminaires
- Vibration 3G
- NEMA Type 4X
- IP66
- IK10(glass with wire guard)

Benefits & Features ● — — — — —

- 1 Lightweight and compact, easy to install and widely applicable.
- 2 Excellent high temperature resistance, working steadily at ambient temperature up to 100°C.
- 3 LED lifespan reaches 60,000 hours, cutting maintenance frequency and costs effectively.
- 4 Compatible with 120/277Vac voltage, equipped with NPT and M25 cable entries for great versatility.
- 5 Various power options available with dimmable function for flexible selection.



Application

- Oil and gas industry
- Metal treatment industry
- Chemical processing facility
- Power Plants
- Ocean marine location
- Heavy industrials storage facility
- Wastewater Treatment Plants
- Food and Alcohol Industry



- Electrical

Model	EX-xxxW HB3	EX-xxxW HB4
Rated power	90/100/120/150W	150/200/240/300W
Input Voltage	120VAC/277VAC	
Input Frequency	50/60Hz	
Power Factor @120V	> 0.95	
Service Life	Up to 50,000 hours	
Salt Spray	500 Hours	

Model	EX-xxxW HB3	EX-xxxW HB4
Lumens Per Watt	110lm/W	110lm/W
Lumen Output	9900–16500lm	16500–33000lm
CCT	1700K/2000K/2700K/3000K/4000K/5000K/5700K/6000K/6500K/7500K/Blue/	
CRI	Ra > 70	
Beam Angle	120°	

Model	EX-xxxW HB3/HB4
Housing Material	ADC12A
Diffuser Type	Clear Flat Glass
Gasket Material	Silicone Rubber
Hardware	SUS 304
Protection Rating	Ingress protection: IP66 Impack protection: IK08
Mounting Options	Ceiling Mount (Included) ; Wall Mount (Included) ; Pendant Mount (Purchase separately) ;
Cable Entries	3/4" NPT
Warranty	5-year limited warranty for fixture

LUMINAIRE HB SERIES

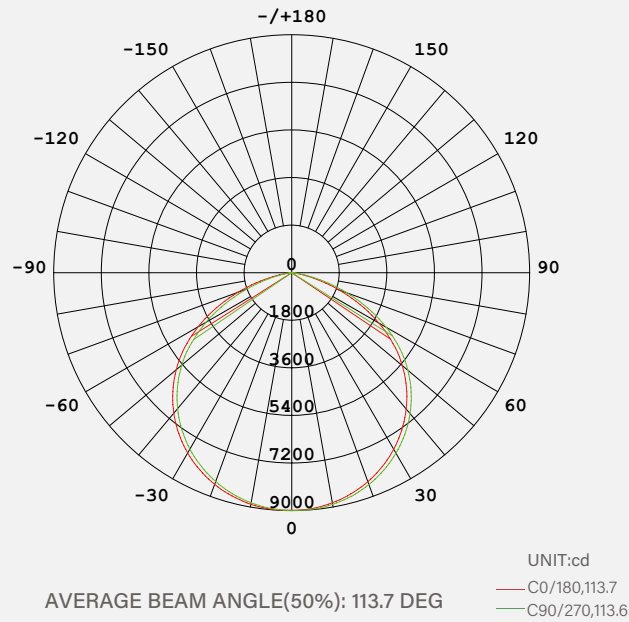
• Ambient Temperature

Model	Ambient Temperature Range (°C)	T-Code
EX-90WHB3	-40 to +70°C	T5
	-40 to +90°C	T4A
	-40 to +100°C	T4
EX-100WHB3	-40 to +70°C	T4A
	-40 to +85°C	T4A
	-40 to +100°C	T4
EX-120WHB3	-40 to +70°C	T4A
	-40 to +85°C	T4A
	-40 to +95°C	T4
EX-150WHB3	-40 to +70°C	T4A
	-40 to +75°C	T4A
	-40 to +90°C	T4

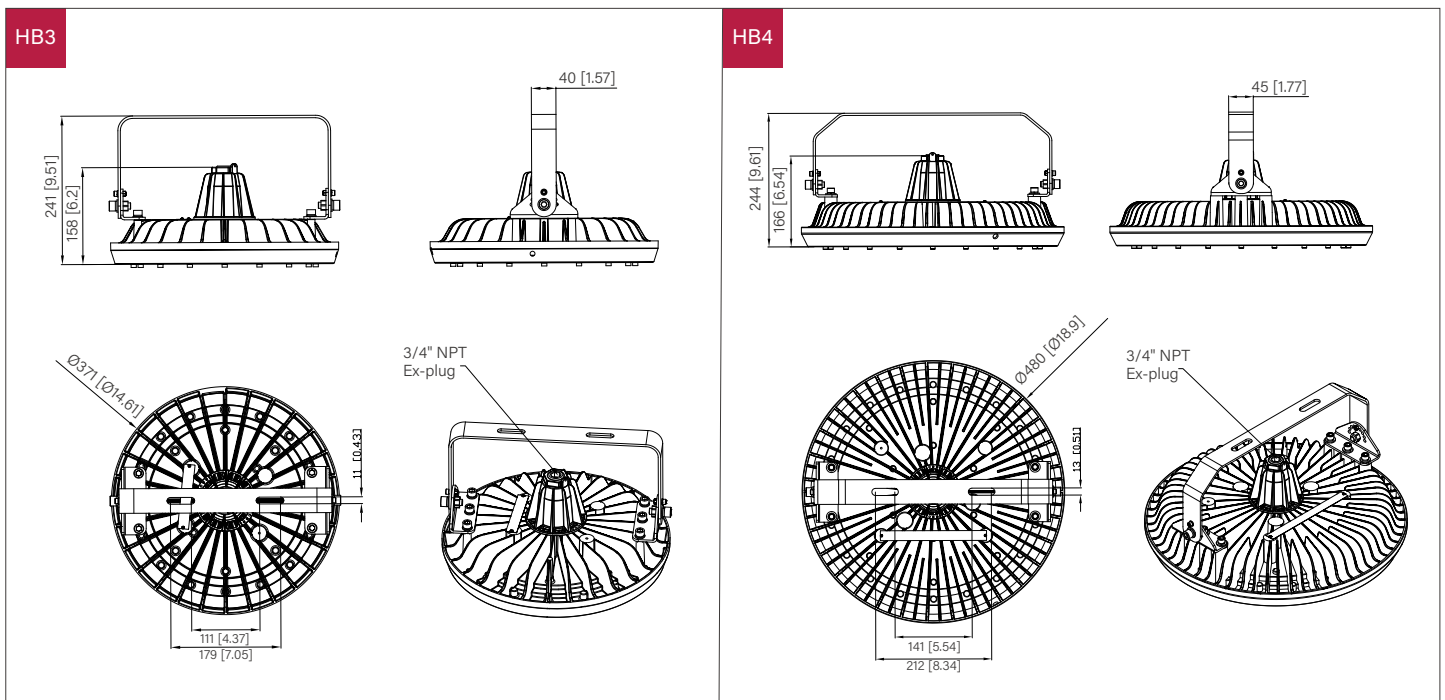
Model	Ambient Temperature Range (°C)	T-Code
Ex-150WHB4	-40 to +70°C	T5
	-40 to +90°C	T4A
	-40 to +100°C	T4
Ex-200WHB4	-40 to +70°C	T4A
	-40 to +85°C	T4A
	-40 to +95°C	T4
Ex-240WHB4	-40 to +70°C	T4A
	-40 to +80°C	T4A
	-40 to +90°C	T4
Ex-300WHB4	-40 to +70°C	T4A
	-40 to +80°C	T4

Photometric

• 120 Degree



Product Dimensions Unit: mm[inch]

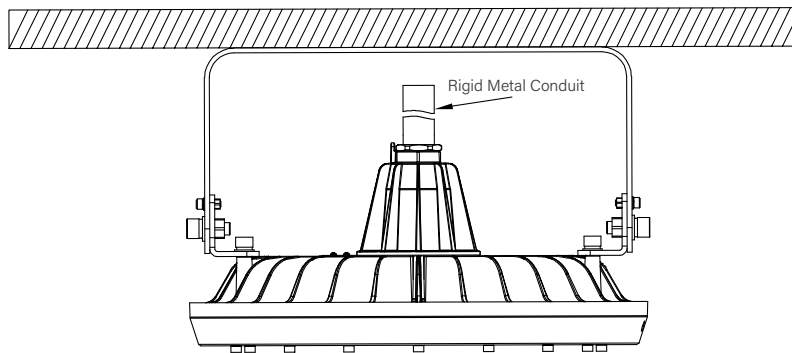


Packing Information

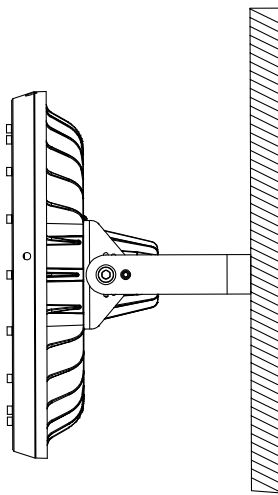
Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
HB3	480x460x275mm / 18.90x18.11x10.83 in	5.5kg / 12.13 lb	7.85kg / 17.31 lb	1 pc
HB4	575x575x296mm / 22.64x22.64x11.65 in	11.6kg / 25.57 lb	15.5kg / 34.17 lb	1 pc

Mounting Methods

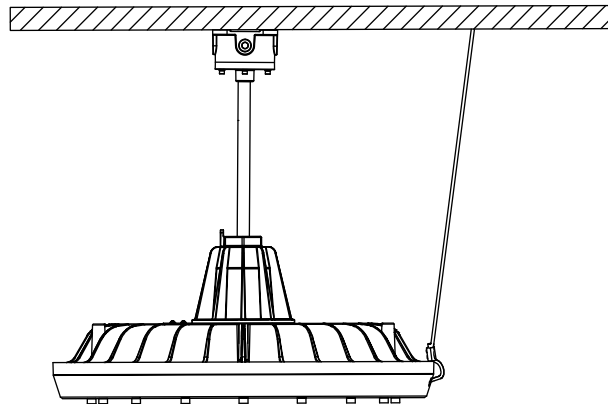
- Option 1: Ceiling Mount (Included)



- Option 2: Wall Mount (Included)



- Option 3: Pendant Mount (Purchase separately)



Ordering Guide

EX- xxxW HB N 40 CG O B M 1

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

1.EX

Basic model series: EX

2.xxW

Input Power

HB3: 90W/100W/120W/150W

HB4: 150W/200W/240W/300W

3.HB

HB3 = HB3 series HBX = HBX series HB4 = HB4 series

4.N

Dimming function: N = No Dimming.

5.40

CCT

17 = 1700K

20 = 2000K

27 = 2700K

30 = 3000K

40 = 4000K

50 = 5000K

57 = 5700K

60 = 6000K

65 = 6500K

75 = 7500K

B = Blue

G = Green

6.CG

Diffuser Type: CG = Clear Flat Glass

7.O

Heat Sink: P = Heat Sink P

8.B

HB3 series or HBX series

Blank = Lamp Cover A (Normal Cover)

B = Lamp Cover B (Step Cover)

HB4 series: Blank = Lamp Cover A (Normal Cover)

9.M

Input Voltage: Blank = 120 V M = 277 V

10.1

Commercial Use: 1 or 2