

# Horner Hazardous Location Lighting



## Low Bay

Hazardous Location Lighting Series

## ETG-HLB

### Low Bay Series



## Product Description

The Horner Low Bay Series is designed for installations where moisture, dirt, dust, corrosion and vibration may present, or NEMA 3 and 4X areas where wind, water, snow or high ambient can be expected.

They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

The High Bay Round Series is ideal for retrofit of existing HPS/MH and offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

## Features

- High luminous efficacy-Up to 150 Lm/W
- Input Voltage: 120-277VAC, 347-480VAC (50/60Hz)
- Instant illumination and restrike-no warm-up time required
- Die-cast aluminum body and frame-corrosion resistant
- Safe and reliable heat transfer - Offering a T-rating of T4A ( CID2 / T5 (CIID1)
- Thermal shock and impact resistant tempered glass
- Shock and vibration resistant-Durable LEDs with solderless board connection
- Light weight and compact design
- All exposed fasteners with quality stainless steel
- High Temperature silicone gasketing

## Compliance

### NEC/CEC Standard

UL844  
Class I Division 2, Group A, B, C, D  
Class II Division 1 Group E, F, G  
Class II Division 2, Group F, G  
Class III, Division 1  
Class I, Zone 2, Group IIC  
Zone 21, Group IIC  
Simultaneous Presence  
UL 1598 Wet Locations  
UL 1598A Marine Outside Type (Salt Water)  
CSA C22.2 No. 137  
CSA C22.2 No. 250.0  
FCC  
IP66  
IK08 / IK07(Drop Lens)  
5G vibration  
1000hrs salt spray

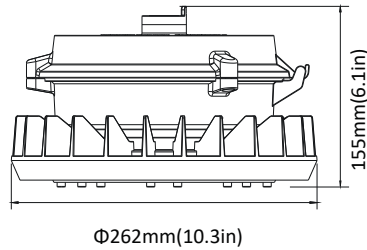
## Application

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility

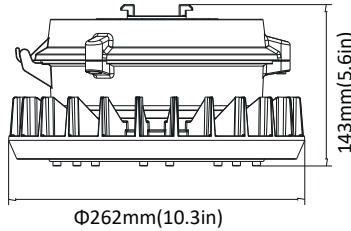
## Warranty

5-Year Standard Manufacturers Warranty  
LED lumen Maintenance: L70>150,000 Operation Hours @55C°

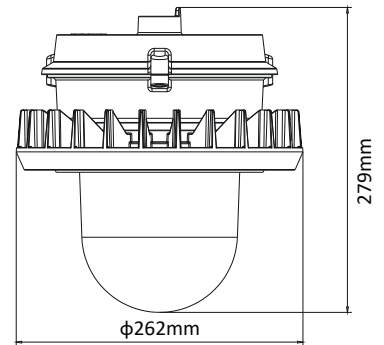
## Product Dimensions



ADAPTER P



ADAPTER F



Flat Lens with Dome Option

Unit:mm

Model	Net weight	Dimensions (L×W×H)	Gross weight	Dimensions (L×W×H)
ETG-HLB-C1D2-WL850-65W-B1 (NJZ-FEL-D-65-V01-RZ-110-25-T-)	4.2kg/9.3lbs	Φ262×155mm Φ10.3×6.1in	4.9kg/10.8lbs	323×295×220mm

## Mounting



Pendant Top



Bracket (Standard)



Mount B  
(needed for all non-standard mount options)



Safety cable installed



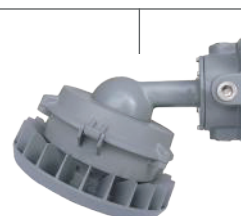
Ceiling Mount  
(ETG-BKT-HLB-B30)



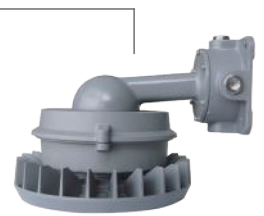
Stanchion 25°  
(ETG-BKT-HLB-B32)



Stanchion 90°  
(ETG-BKT-HLB-B33)



Wall 25°  
(ETG-BKT-HLB-B34)



Wall 90°  
(ETG-BKT-HLB-B35)



Dome & Wire Guard  
(ETG-HLB-DOME)



25° Glare Shield  
(ETG-HLB-SHD)

**Electrical**

Specification		ETG-HLB-C1D2-WL850-65W-B1 ETG-HLB-C1D2-WL850-65W-B	ETG-HLB-C1D2-WL850-60W-P2-B1 ETG-HLB-C1D2-WL850-60W-P2-B
Rated Power		65W	60W
Input Voltage		120-277VAC	347-480VAC
Input Frequency		50/60Hz	
Input Current	(AC120/277V)	0.54/0.24A	
Power Factor		≥0.9	
Driver Efficiency		≥90%	
Surge Protection		10Kv	

**Optical**

Specification		ETG-HLB-C1D2-WL850-65W-B1 ETG-HLB-C1D2-WL850-65W-B	ETG-HLB-C1D2-WL850-60W-P2-B1 ETG-HLB-C1D2-WL850-60W-P2-B
Lumen Output		9750Lm	9,000Lm
Lumens Per Watt		150Lm/W	
Beam Angle		110°	
Correlated Color Temperature (CCT)		5000K	
Color Rendering Index (CRI)		Ra>70	

\*value calculated based on 5000K ,varies to different spec

**Environmental**

Specification		ETG-HLB-C1D2-WL850-65W-B1 ETG-HLB-C1D2-WL850-65W-B		ETG-HLB-C1D2-WL850-60W-P2-B1 ETG-HLB-C1D2-WL850-60W-P2-B	
Ambient Operating Temperature		-40°C~+55°C/-40°F~+131°F			-40°C~+52°C /-40°F~+126°F
T-code	CID2	T4A	T4A	T5	T4A
CIID1		T5			

**Mechanical**

Specification		ETG-HLB-C1D2-WL850-65W-B1 ETG-HLB-C1D2-WL850-65W-B	ETG-HLB-C1D2-WL850-60W-P2-B1 ETG-HLB-C1D2-WL850-60W-P2-B
Housing Material		Copper-free Aluminum	
Lens Material		Tempered glass	
Hardware		Stainless steel 316	
Color		Dark Grey (RAL7037)	
Finish		Polyster powder coating for uniform corrosion resistance	
Protection		IP66/IK08*/5G vibration/1000hrs salt spray	
Mounting		Pendant, Bracket, Ceiling, Pole, Wall	
Installation		MIN 90° SUPPLY CONDUCTORS	
Cable Entries		1 x NPT3/4 (one at pendant top)	
Termination		3x WAGO 221-413 (max. 4 mm², 3-conductor, with levers)	

\*Flat glass lens only/IK07(Drop Lens)



### Class I Locations

Class I locations are those in which inflammable gases or vapors are or may be present in sufficient quantities to produce explosive or flammable mixtures.

#### CLASS I, DIVISION 1

Class I, Division 1 locations are where hazardous atmosphere may be present during normal operations. It may be present continuously, intermittently, periodically or during normal repair or maintenance operations, or those areas where a breakdown in processing equipment releases hazardous vapors with the simultaneous failure of electrical equipment.

#### CLASS I, DIVISION 2

Class I, Division 2 locations are those in which volatile flammable liquids or gases are handled, processed or used. Normally they will be confined within closed containers or in closed systems from which they can escape only in the case of rupture or deterioration of the containers or systems.

### Class II Locations

Class II locations are those that are hazardous because of the presence of combustible dust.

#### CLASS II, DIVISION 1

Class II, Division 1 locations include areas where combustible dust may be in suspension in the air under normal conditions in sufficient quantities to produce explosive or ignitable mixtures (Dust may be emitted into the air continuously, intermittently or periodically), or where failure or malfunction of equipment might cause a hazardous location to exist and provide an ignition source with the simultaneous failure of electrical equipment, included also are locations in which combustible dust of an electrically conductive nature may be present.

#### CLASS II, DIVISION 2

Class II, Division 2 locations are those in which combustible dust will not normally be in suspension nor will normal operations put dust in suspension, but where accumulation of dust may interfere with heat dissipation from electrical equipment or where accumulations near electrical equipment may be ignited.

### Class III Locations

Class III locations are those considered hazardous due to the presence of easily ignitable fibers or flyings, which are in quantities sufficient to produce ignitable mixtures.

#### CLASS III, DIVISION 1

Locations in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

#### CLASS III, DIVISION 2

Locations where easily ignitable fibers are stored or handled.