

ERGO

Explosion Proof Linear High Bay



LINEAR HIGH BAY CLASS I DIVISION 1

Product Description:

The Ergo Explosion Proof Linear High Bay is designed for use in hazardous facilities and provides its operators with a powerful & efficient alternative to traditional hazardous location luminaries. Its compact design makes this fixture an excellent replacement upgrade option for bulky & high maintenance fixtures. The copper-free aluminum-alloy body is powder coated for added durability & attractive aesthetic appearance. Special heat dissipating design in conjunction with anti-vibration technology ensures high lifespan with maximum lumen retention. This fixture utilizes a premium Meanwell Driver & SMT LED chipset to achieve high efficacies.

Classifications / Ratings

- **Class I, Division 1, Groups C and D**
- **Class I, Division 2, Groups A, B, C, D**
- **Class II, Division 1, Groups E, F and G**
- **Class II, Division 2, Group F and G**
- **Class III**
- **II2 G Ex db IIB T4 Gb**
- **II2 D Ex tb IIIC T63.5°C Db IP66**

Environmental

- Ambient Operating Temperature -40 °F ~ +140°F
- Temperature Rating **C1D1 T4**
- Ingress Protection Rating of **IP66**
- Impact Protection of **IK08**
- Average Life of 50000 Hours.

Construction

Housing Aluminum

Cover Material / Lens Tempered Glass

Base / Power Supply Hard Wire

Finish Gray

Application Areas

- Oil and gas industry
- Chemical industry
- Marine and aerospace field
- Metal treatment
- Food and alcohol industry

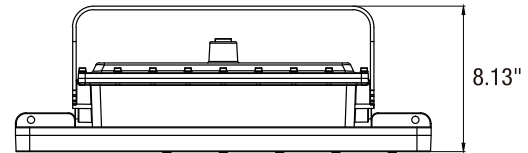
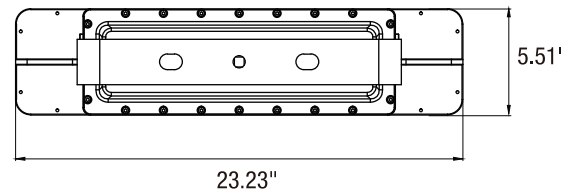
Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)



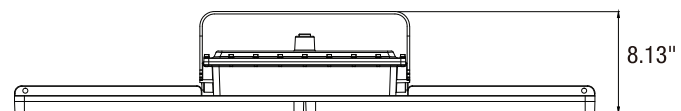
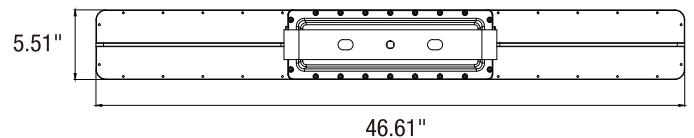
I2L140 (Ergo 2)

Dimension Diagram (20W / 60W)



I4L140 (Ergo 4)

Dimension Diagram (60W / 80W / 100W / 120W)



Product Specifications:

Item	Specification	Details					
Model Version		I2L140			I4L140		
Electrical	Power	20W	60W	60W	80W	100W	120W
	Voltage	100-277 V AC 50/60 Hz (200-480 V fixtures also available)					
	Current	0.08A	0.24A	0.24A	0.32A	0.40A	0.48A
	Power Factor	>0.9					
	Surge Protection	10kV					
Lighting Performance	Lumens	2800 lm	8400 lm	8400 lm	11200 lm	14000 lm	16800 lm
	Efficacy	140 lm/W					
	Color Temperature (CCT)	4000 K, 5000 K					
	Color Rendering (CRI)	70					
	Beam Angle	120° (40°, 60°, 90°, can be made as per request)					

Ordering Information : Typical order example: IK-EXHB-I2L140-20W-40K-CID1-FM

IK	EXHB				CID1	
BRAND	FAMILY	MODEL	POWER	CCT	CLASSIFICATION	MOUNTING OPTIONS
IK IKIO	EXHB Explosion Proof High Bays	<input type="checkbox"/> I2L140 Ergo 2 Linear High Bay	<input type="checkbox"/> 20W <input type="checkbox"/> 60W <input type="checkbox"/> 60W-HV	<input type="checkbox"/> 40K for 4000K <input type="checkbox"/> 50K for 5000K	CID1 CID1 Explosion Proof Rated	<input type="checkbox"/> FM Flood Mount (Default) <input type="checkbox"/> PM Pole Mount- Straight <input type="checkbox"/> HM Hanging Mount
		<input type="checkbox"/> I4L140 Ergo 4 Linear High Bay	<input type="checkbox"/> 60W <input type="checkbox"/> 60W-HV <input type="checkbox"/> 80W <input type="checkbox"/> 80W-HV <input type="checkbox"/> 100W <input type="checkbox"/> 100W-HV <input type="checkbox"/> 120W <input type="checkbox"/> 120W-HV			

*To Order High Voltage Fixtures Select (-HV) Power Options While Selecting.
 *Default Mounting Bracket Is Flood Mount.
 *Refer Accessories Table Before Selecting Mounting Options.

Accessories Table:

Mounting Option	Model Ordering Code	Accessories Description	Accessories Image	Product Image
Flood Mount	FM	Flood Mount Bracket IK-EX-FM		
		Metal Conduit IK-EX-MC		
Pole Mount- Straight	PM	Junction Box IK-EX-JB		
		Straight IK-EX-SP		
Hanging Mount	HM	Metal Conduit IK-EX-MC		
		Chain IK-EX-CHAIN		