

VIGOR

Explosion Proof Round High Bay

HIGH BAY CLASS I DIVISION 2



Product Description:

The Vigor Round High Bay fixture is designed for use in hazardous facilities and provides its operators with a powerful & efficient alternative to traditional hazardous location luminaires. Its comparatively 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. A special heat dissipating design in conjunction with anti-vibration technology ensures a long lifespan with maximum lumen retention. This fixture utilizes a premium Meanwell Driver & SMT LED chipset to achieve high efficacies.

Classifications / Ratings

- **Class I, Division 2, Groups A, B, C, D**
- **Class II, Division 1, Groups E, F, G**
- **Class II, Division 2, Groups F, G**
- **Class III**
- **II 3 G Ex ec IIC T6...T3 Gc**
- **II 2 D Ex tb IIIC T85°C...T100°C Db**
- **II 2 G Ex eb mb IIC T5...T6 Gb**
- **II 2 D Ex tb IIIC T80°C...T100°C Db**

Environmental

- Ambient Operating Temperature -40 °F ~ +131°F
- ATEX & IECEx(IC Version): -40°F ~ +121°F
- Temperature Rating **C1D2 T3**
- 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	Three connection cable entry points
Finish	Gray

Application Areas

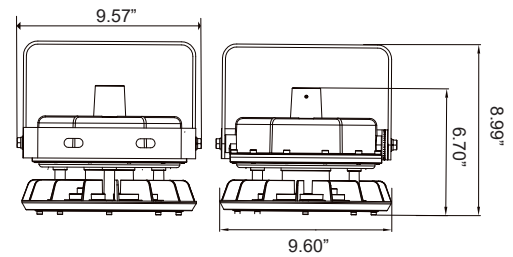
- Oil and gas industry
- Chemical industry
- Marine and aerospace field
- Metal treatment
- Food and alcohol industry

Warranty

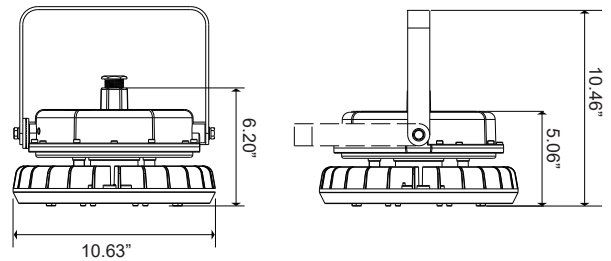
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)


B1L140 (Vigor 1)

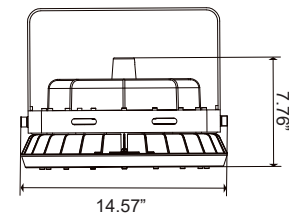
Dimension Diagram (20W / 40W / 60W)


B2L140 (Vigor 2)

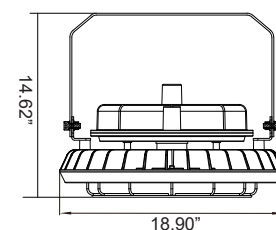
Dimension Diagram (80W)


B3L140 (Vigor 3)

Dimension Diagram (100W / 150W / 200W)


B4L140 (Vigor 4)

Dimension Diagram (250W / 400W)



Product Specifications:

Item	Specification	Details								
		B1L140			B2L140	B3L140			B4L140	
Electrical	Power	20W	40W	60W	80W	100W	150W	200W	250W	400W
	Voltage	100-277 V AC 50/60 Hz (200-480 V fixtures also available)								
	Current	0.08A	0.16A	0.24A	0.32A	0.40A	0.60A	0.80A	1.00A	1.60A
	Power Factor	>0.9								
	Surge Protection	10kV								
Lighting Performance	Lumens	2800 lm	5600 lm	8400 lm	11200 lm	14000 lm	16800 lm	28000 lm	35000 lm	56000 lm
	Efficacy	140 lm/W								
	Color Temperature (CCT)	4000 K, 5000 K								
	Color Rendering (CRI)	80								
	Beam Angle	120° (40°, 60°, 90°, can be made as per request)								

Ordering Information : Typical order example: *IK-EXHB-B1L140-20W-40K-CID2-FM*

IK	EXHB					CID2		
BRAND	FAMILY	MODEL	POWER	CCT	CLASSIFICATION	MOUNTING OPTIONS		
IK IKIO	EXHB Explosion Proof High Bays	<input type="checkbox"/> B1L140 <i>Vigor 1 Round High Bay</i>	<input type="checkbox"/> 20W <input type="checkbox"/> 40W <input type="checkbox"/> 40W-HV <input type="checkbox"/> 60W <input type="checkbox"/> 60W-HV	<input type="checkbox"/> 40K for 4000K <input type="checkbox"/> 50K for 5000K	CID2 CID2 Explosion Proof Rated	<input type="checkbox"/> FM Flood Mount (Default) <input type="checkbox"/> PM Pole Mount- Straight <input type="checkbox"/> BPM Pole Mount- Bent <input type="checkbox"/> HM Hanging Mount <input type="checkbox"/> SMW Stanchion Wall Mount	<input type="checkbox"/> SPM90D Stanchion Pole Mount- 90D Support <input type="checkbox"/> SPM25D Stanchion Pole Mount- 25D Support <input type="checkbox"/> WMJB90D Wall Mount With Junction Box- 90D <input type="checkbox"/> WMJB25D Wall Mount With Junction Box- 25D	
		<input type="checkbox"/> B2L140 <i>Vigor 2 Round High Bay</i>	<input type="checkbox"/> 80W <input type="checkbox"/> 80W-HV					
		<input type="checkbox"/> B3L140 <i>Vigor 3 Round High Bay</i>	<input type="checkbox"/> 100W <input type="checkbox"/> 100W-HV <input type="checkbox"/> 150W <input type="checkbox"/> 150W-HV <input type="checkbox"/> 200W <input type="checkbox"/> 200W-HV					
		<input type="checkbox"/> B4L140 <i>Vigor 4 Round High Bay</i>	<input type="checkbox"/> 250W <input type="checkbox"/> 250W-HV <input type="checkbox"/> 400W <input type="checkbox"/> 400W-HV					

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

Accessories Table:

Mounting Option	Model Ordering Code	Accessories Description	Accessories Image	Product Image
Pole Mount- Bent	BPM	Junction Box IK-EX-JB		<p>Chain of balance</p>
		Bent Pipe IK-EX-BPP		
		Chain IK-EX-CHAIN		
Hanging Mount	HM	Hook IK-EX-HOOK		<p>N G</p>
		Chain IK-EX-CHAIN		
Stanchion Wall Mount	SMW	Stanchion Mount Arm IK-EX-SM		
Stanchion Pole Mount 90D support	SPM90D	Stanchion Mount Arm IK-EX-SM		
		90D Support IK-EX-90DS		
Stanchion Pole Mount 25D support	SPM25D	Stanchion Mount Arm IK-EX-SM		
		25D Support IK-EX-25DS		
Wall Mount With Junction Box- 90D	WMJB90D	Wall Mount- 90D IK-EX-WMJB90D		<p>N G</p>
Wall Mount With Junction Box- 25D	WMJB25D	Wall Mount- 25D IK-EX-WMJB25D		<p>N G</p>