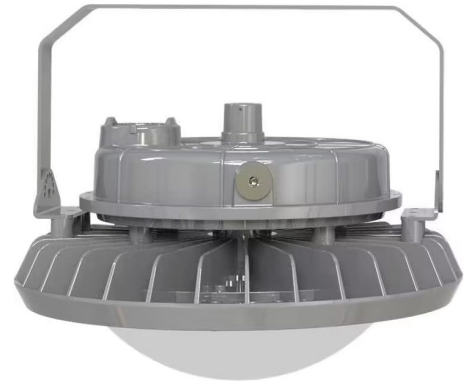


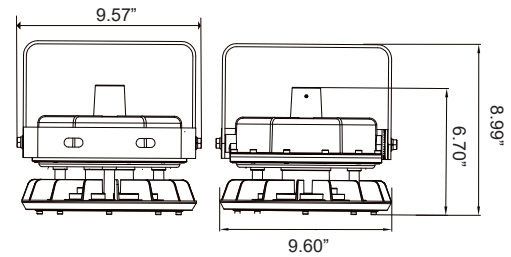
# VIGOR

## Explosion Proof Round High Bay

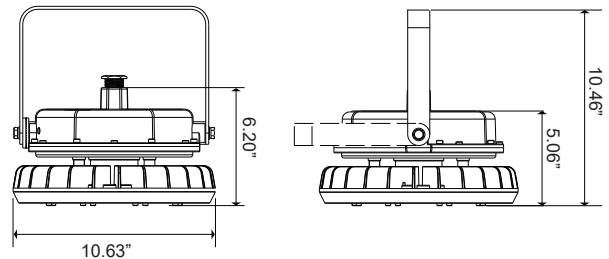
### HIGH BAY CLASS I DIVISION 2


**B1L140** (Vigor 1)

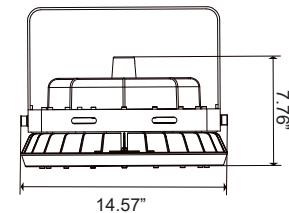
#### Dimension Diagram (20W / 40W / 60W)


**B2L140** (Vigor 2)

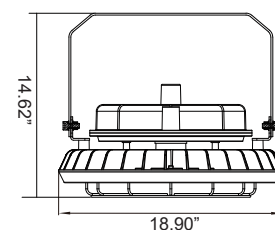
#### Dimension Diagram (80W)


**B3L140** (Vigor 3)

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


**B4L140** (Vigor 4)

#### Dimension Diagram (250W / 400W)



#### Product 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**
- Average Life of 100000 Hours.

#### Construction

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Housing</b>               | Aluminum                            |
| <b>Cover Material / Lens</b> | PC Cover                            |
| <b>Base / Power Supply</b>   | Three connection cable entry points |
| <b>Finish</b>                | Gray                                |

#### Application Areas

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

#### Warranty

- 10 Year Warranty

**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-CXPC*


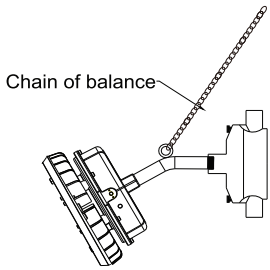



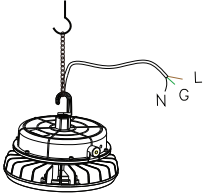


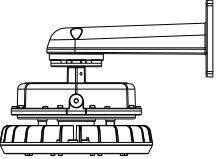

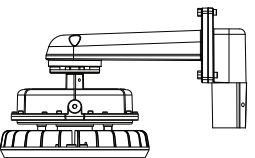


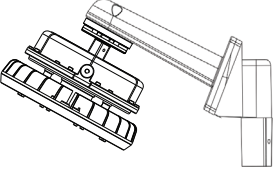


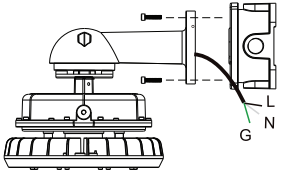

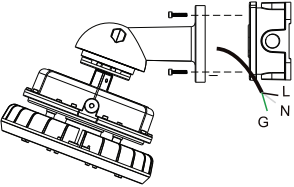
| IK         | EXHB                              |                                                                  |                                                                                              |                                                                      |                 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

\*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:**

| Accessories          | Ordering Code | Accessories Description         | Accessories Image | Product Image |
|----------------------|---------------|---------------------------------|-------------------|---------------|
| Convex PC Cover      | CXPC          | Convex PC Cover<br>IK-EX-CXPC   |                   |               |
| Flood Mount          | FM            | Flood Mount Bracket<br>IK-EX-FM |                   |               |
|                      |               | Metal Conduit<br>IK-EX-MC       |                   |               |
| Pole Mount- Straight | PM            | Junction Box<br>IK-EX-JB        |                   |               |
|                      |               | Straight<br>IK-EX-SP            |                   |               |

**Accessories Table:**

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