

DOMINUS

Explosion Proof Square High Bay



HIGH BAY CLASS I DIVISION 1

Product Description:

The Dominus Explosion Square 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 compact design makes this fixture an excellent replacement 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 a 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, D**
- **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**

Environmental

- Ambient Operating Temperature -40 °F ~ +131°F
- Temperature Rating **C1D1 T4**
- Temperature Rating **C1D1 T5**
- Temperature Rating **C1D1 T6**
- Ingress Protection Rating of **IP66**
- Impact Protection of **IK10**
- Average Life of 50000 Hours.

Construction

Housing	Aluminum
Cover Material / Lens	Tempered glass
Base / Power Supply	Three connection cable entry points
Finish	Gray

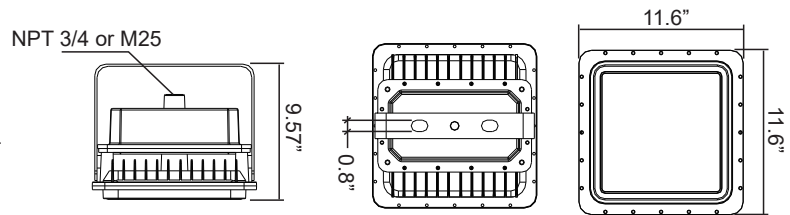
Application Areas

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

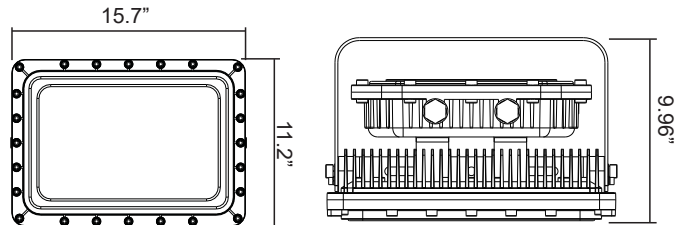
Warranty

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

D1L140 (Dominus 1)
Dimension Diagram (20W / 60W / 80W)



D2L140 (Dominus 2)
Dimension Diagram (100W / 120W / 150W / 200W)



Product Specifications:

Item	Specification	Details						
Model Version		D1L140 (Dominus 1)				D2L140 (Dominus 2)		
Electrical	Power	20W	60W	80W	100W	120W	150W	200W
	Voltage	100-277 V AC 50/60 Hz (200-480 V fixtures also available)						
	Current	0.08A	0.24A	0.32A	0.40A	0.48A	0.60A	0.80A
	Power Factor	>0.9						
	Total Harmonic Distortion (THD)	≤20%						
	Surge Protection	10KV						
Lighting Performance	Lumens	2800 lm	8400 lm	11200 lm	14000 lm	16800 lm	21000 lm	28000 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-D1L140-20W-40K-CID1-FM


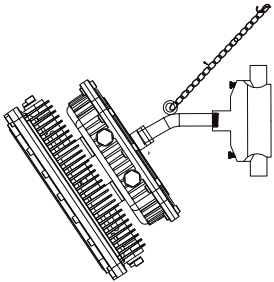



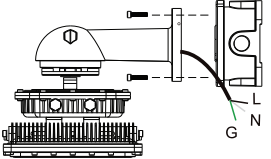
IK	EXHB				CID1		
BRAND	FAMILY	MODEL	POWER	CCT	CLASSIFICATION	MOUNTING OPTIONS	
IK IKIO	EXHB Explosion Proof High Bays	<input type="checkbox"/> D1L140 Dominus 1 Square High Bay	<input type="checkbox"/> 20W <input type="checkbox"/> 60W <input type="checkbox"/> 60W-HV <input type="checkbox"/> 80W <input type="checkbox"/> 80W-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"/> BPM Pole Mount- Bent	<input type="checkbox"/> WMJB90D Wall Mount With Junction Box- 90D <input type="checkbox"/> WMJB25D Wall Mount With Junction Box- 25D
		<input type="checkbox"/> D2L140 Dominus 2 Square High Bay	<input type="checkbox"/> 100W <input type="checkbox"/> 100W-HV <input type="checkbox"/> 120W <input type="checkbox"/> 120W-HV <input type="checkbox"/> 150W <input type="checkbox"/> 150W-HV <input type="checkbox"/> 200W <input type="checkbox"/> 200W-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		

Accessories Table:

Mounting Option	Model Ordering Code	Accessories Description	Accessories Image	Product Image
Pole Mount- Bent	BPM	Junction Box IK-EX-JB		
		Bent Pipe IK-EX-BPP		
		Chain IK-EX-CHAIN		
Wall Mount With Junction Box- 90D	WMJB90D	Wall Mount- 90D IK-EX-WMJB90D		
Wall Mount With Junction Box- 25D	WMJB25D	Wall Mount- 25D IK-EX-WMJB25D	