



SafeSite® Series LED High Bay
for Hazardous Locations



Patent Pending

SafeSite® Series LED High Bay Fixture

Features & Benefits:

- ▷ Certified to UL 844
- ▷ Certified to UL 1598/A
- ▷ Certified to C22.2 No.137-M81
- ▷ 5 year warranty
- ▷ Low power consumption
- ▷ Instant on/off operation
- ▷ Universal input (100-277 VAC), 50/60Hz
- ▷ 347-480VAC versions available
- ▷ Superior color rendition index compared to HPS, LPS, MV
- ▷ Mercury free
- ▷ Resistant to shock and vibration
- ▷ Temperature compensation technology for longer life
- ▷ >80% lumen maintenance after 60,000 operating hours
- ▷ Copper free aluminum

Temperature Ratings		
Series	Ambient Temperature Range T4a Temperature Code	Ambient Temperature Range T5 Temperature Code
HBC	-40F to +149F (-40C to +65C)	-40F to +131F (-40C to +55C)
HBM	-40F to +149F (-40C to +65C)	-40F to +131F (-40C to +55C)
HBP	-40F to +149F (-40C to +65C)	-40F to +131F (-40C to +55C)
HBD	-40F to +140F (-40C to +60C)	-40F to +104F (-40C to +40C)
HBF	-40F to +140F (-40C to +60C)	-40F to +104F (-40C to +40C)

Order Codes

Part Number	Certifications						NEMA4X / IP66	Other Approvals	Lens	Fixture Lumens
	CID1	CID2	CIID1	CIID2	CIID1	CIID2				
HBC9C3M	C / D	C / D	E / F / G	F / G	YES	YES	YES		Glass	9,500
HBC8C3G	C / D	C / D	E / F / G	F / G	YES	YES	YES		Glass	5,500
HBD2C4M		A / B / C / D		F / G	YES	YES	YES		Polycarbonate	10,500
HBD3C4G		A / B / C / D		F / G	YES	YES			Polycarbonate	8,000
HBF2C4M		A / B / C / D	E / F / G	F / G	YES	YES	YES		Polycarbonate	10,500
HBF3C4L		A / B / C / D	E / F / G	F / G	YES	YES			Polycarbonate	10,500
HBM9C3M	C / D	C / D	YES	YES	YES	YES	YES	Paint Spray Booth	Glass	9,500
HBP9C3M	B/C/D		E / F / G					Group B Hydrogen only	Glass	9,500

¹Part numbers listed in the table above are 100-277VAC. For Class I, Div 1 - 347-480VAC models, replace the 6th character with a 6. EX: HBC9C3M becomes HBC9C6M. For Class I, Div 2 - 347-480VAC models, replace the 6th character with a 5. EX: HBD2C4M becomes HBD2C5M. EX: HBC9C3M (100-277VAC) becomes HBC9C6M (347-480VAC).

²Part numbers listed above table are cool white. For neutral white version replace the 5th character with **N** Ex: HBC9C3M become HBC9N3M.

Application

The first of its kind, the Dialight SafeSite® Series LED High Bay luminaire was designed specifically to replace conventional high bay lighting fixtures in hazardous location applications. Its low profile light weight design allows for increased mounting versatility and ease of installation.

All of Dialight's long life LED luminaires are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light.

Mechanical Information

Fixture Weight: HBC Series: 30 lbs (13.6kg)
HBD Series: 17 lbs (7.7kg)
HBM Series: 30 lbs (7.7kg)
HBP Series: 32 lbs (14.5kg)

Mounting: (1) 3/4" NPT Threaded
OR
(2) 5/16"-18 x .75" NPT Thread

Electrical specifications

1 Voltage: 100-277VAC, 50/60 Hz

Total System Power Consumption: 150W

Harmonics: IEC 6100-3-2

Surge / Lightning Protection: 1 kV line to line
2 kV line to ground

THD: <5% (120VAC)
<10% (230/240VAC)
<12% (277VAC)

Power Factor: > 0.95

Construction

Body: Powder Coated Aluminum

Photometric Information

CRI (typ): 70

2 CCT (typ): 6,000K (cool white)
4,500K (neutral white)



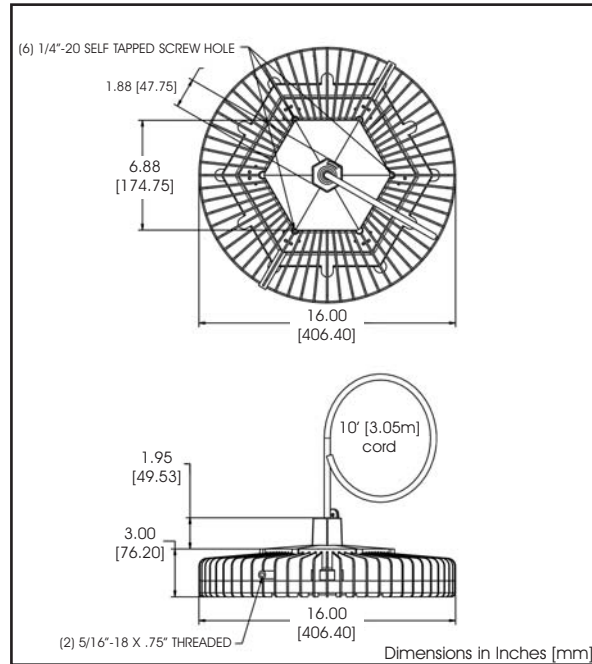
Meets Buy American








For projects requiring Buy American certification, consult factory for additional information and details

SafeSite® Series LED High Bay

Mechanical Drawing

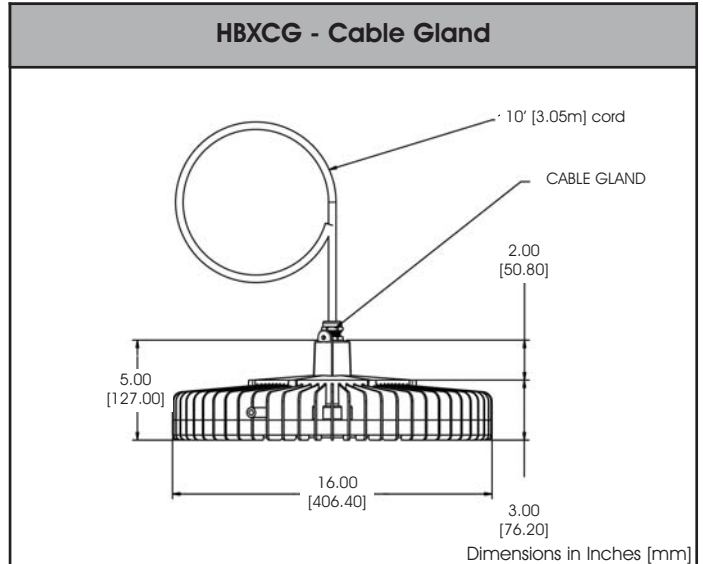
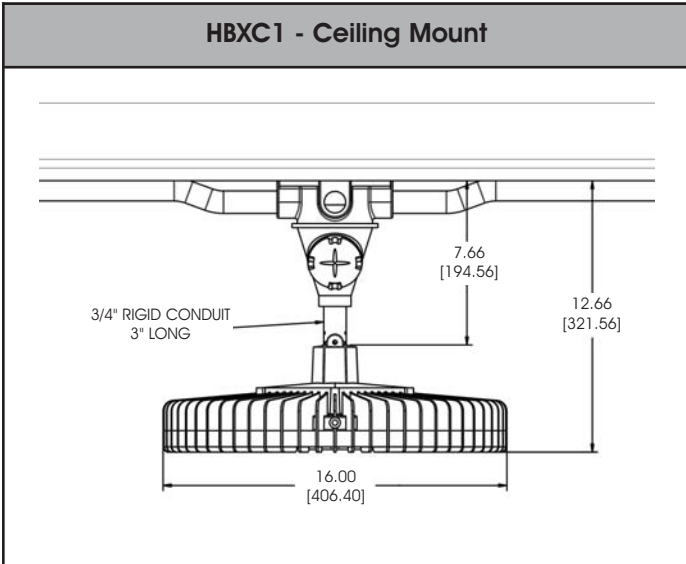
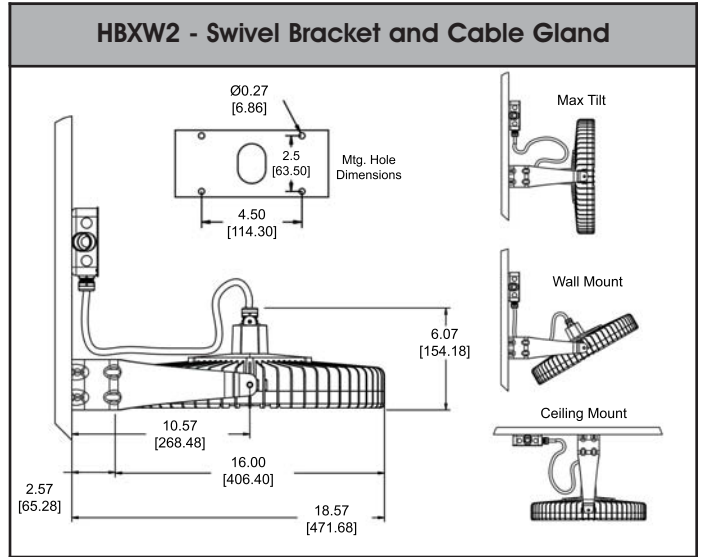
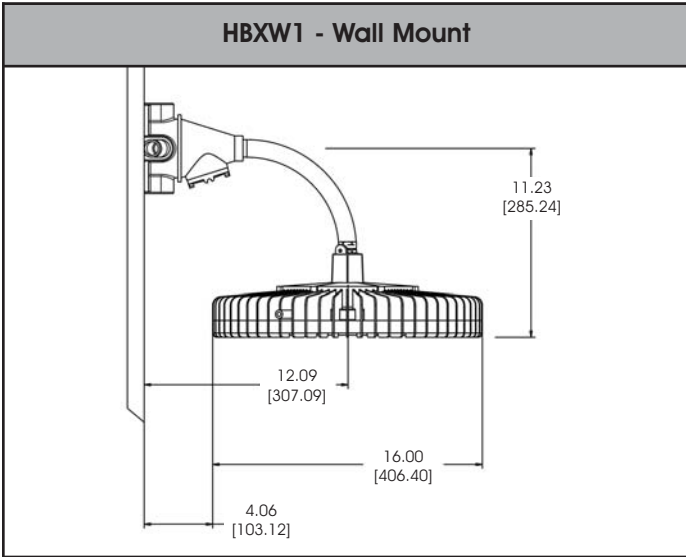


Mounting Options & Accessories

	Part Number	Description	Kit Includes	CID2	CID1
	No Part Number	Pendant Mount (Conduit supplied by installer)	Conduit supplied by installer	X	X
	HBXW1	Wall Mount	Junction Box Fixture Hanger Cover Rigid Pipe Sweep	X	X
	HBXW2	Swivel Bracket and Cable Gland	Swivel Bracket Bracket to fixture hardware Cable Gland	X	
	HBXC1	Ceiling Mount	Junction Box Fixture Hanger Cover 3" Rigid Pipe	X	X
	HBXCG	Cable Gland	Cable Gland	X	

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Mounting Options & Accessories



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www.dialight.com/Assets/Brochures_And_Catalogs/Illumination/MDTFHZCHB001.pdf

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