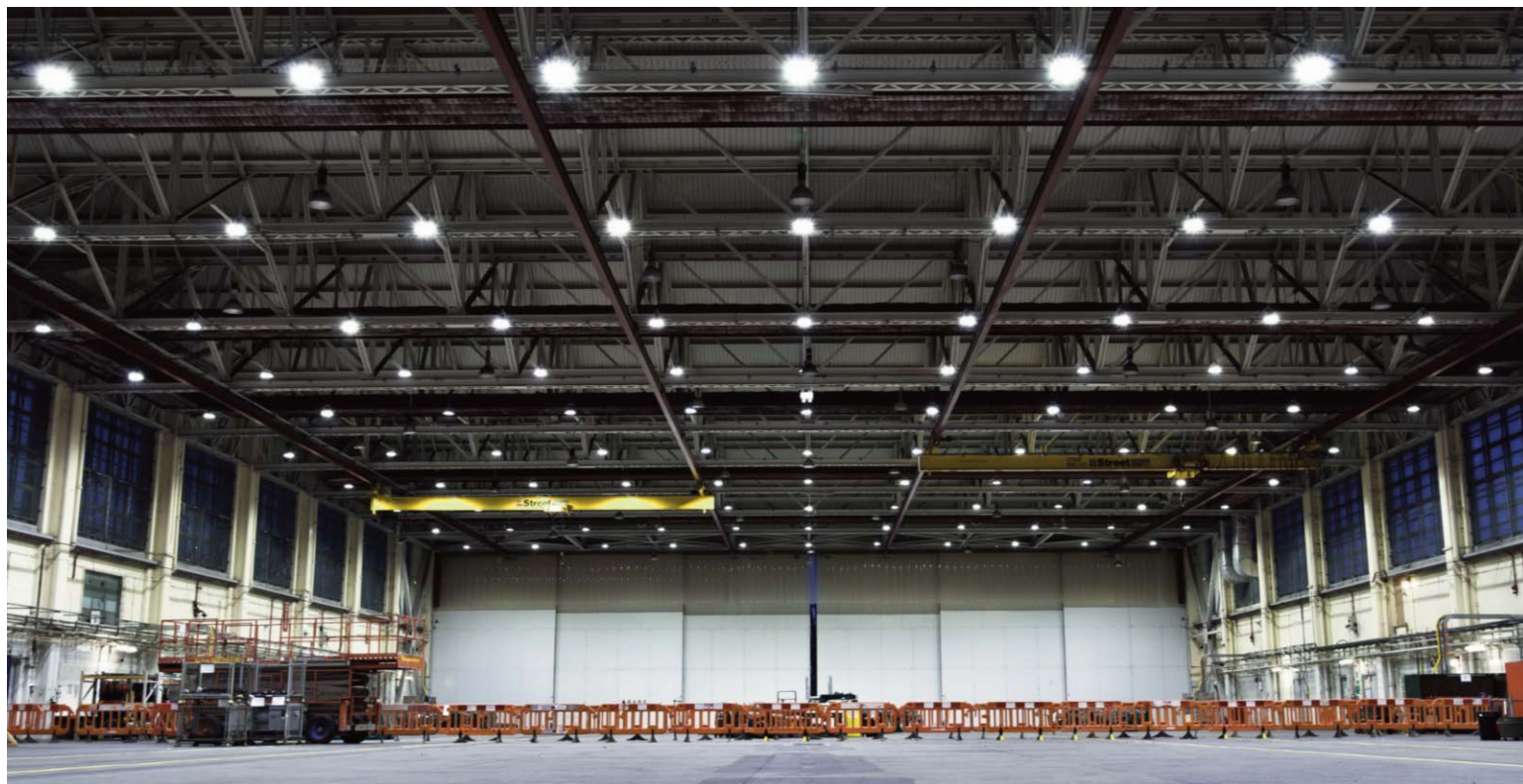




Vigilant® LED High Bay
for Indoor and Outdoor Industrial Applications

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About Dialight

Dialight (LSE: DIA.L) is leading the energy efficient LED lighting revolution around the world for industrial and hazardous areas as well as transportation and infrastructure applications. For 40 years it has been committed to the development of LED lighting solutions that enable organizations to vastly reduce energy use and maintenance needs, improve safety, ease disposal and reduce CO₂ emissions.

History at a Glance

1938 → Dialight founded in Brooklyn, NY
1971 → LED Circuit Board Indicator
1994 → LED Transit Vehicle Signals
1995 → LED Traffic Signals
2000 → FAA certified LED Obstruction Lights
2007 → LED Lighting for Hazardous Locations
2009 → LED High Bay Fixtures
2012 → Full performance 10-year warranty
2013 → Controls for LED Lighting
2014 → 125lm / W High Bay

Typical Applications

- Oil, Gas & Petrochemical
- Power Generation
- Mining
- Chemical
- Pharmaceutical
- Water & Sewage
- Food & Beverage
- Manufacturing
- Warehousing
- Cold Storage

View the full case studies at:

G.S. Dunn Limited - www.dialight.com/news/details/gsdunn_case_study

Rockline Industries - www.dialight.com/news/details/rockline_case_study

MedSafe - www.dialight.com/news/details/medsafe_case_study

Kuehne + Nagel - www.dialight.com/news/details/kuehne_nagel_case_study

Dialight also offers their products for Hazardous Locations

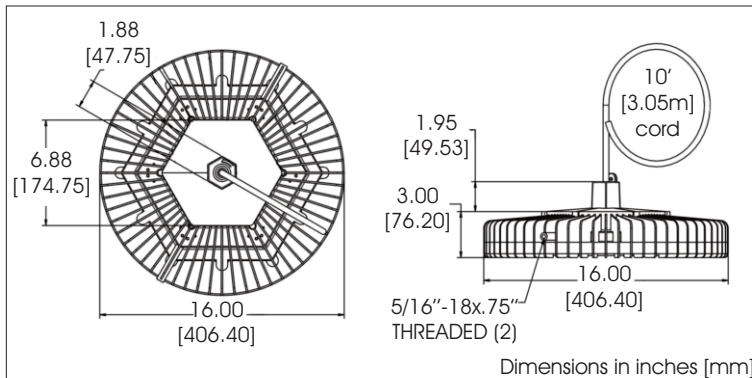


Complete your own Return on Investment calculation at: www.dialight.com/tcoCalculator/Vigilant_HighBay

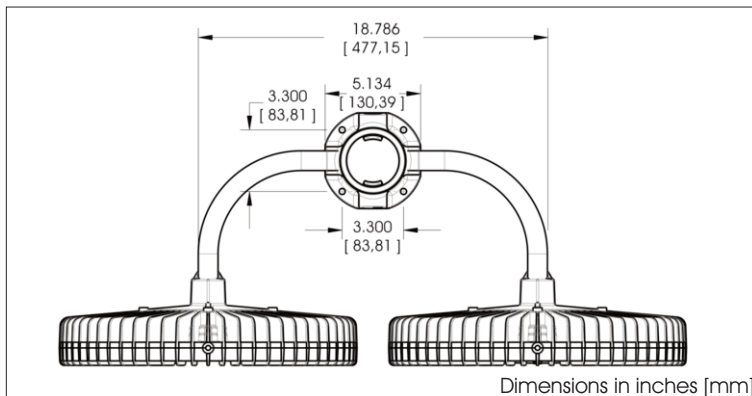


Vigilant® LED High Bay

125 LPW



Dual Bracket



Certifications & Ratings

- UL 1598/A
- CSA 22 #250
- CE
- NEMA 4X
- IP 66
- Dark Sky Compliant

Features & Benefits

- L70 rated for > 100,000 hours
- 10 year full performance warranty
- 125 LPW Typical
- Dual Mounting option available
- For 347-480V AC applications, consult factory
- Significantly reduced glare
- Instant on/off
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration

Application:

At 125 lumens per Watt, Dialight's new ultra-efficient industrial LED High Bay revolutionizes the world of LED lighting and is by far the most innovative LED fixture available today. With a market-leading 10 year full performance warranty, the new 26,500 lumen high bay utilizes cutting-edge optical and electrical design to provide for significantly reduced glare and superior light distribution.

In its compact and lightweight structure, Dialight's new 125 lumen per Watt LED High Bay is designed to meet the most demanding specifications and is perfect for any industrial application where improved light levels are needed at minimum energy consumption for more than a decade.

Mechanical Information

Fixture weight:	18 lbs
Shipping weight:	24 lbs
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side
Cabling:	10' (3.05m) STOOV Power Cord

Electrical Specifications

Operating Voltage:	26,500lm models
110 - 277V AC:	18,000, 14,000 & 11,000lm models
100 - 277V AC:	(For 347 - 480V AC application, consult factory)

Total system power consumption:	See Table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement / EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground

THD:	15%
Power Factor:	> 0.9

Construction:

Housing:	Copper free aluminum
Finish:	Polyester powder coated gray RAL 7040
Lens:	Tempered Glass

Photometric Information

CRI:	75
CCT:	5,000K (cool white) 4,000K (neutral white)

All values typical unless otherwise stated
Lumen values are typical (tolerance +/- 10%)

Vigilant® LED High Bay - Ordering Information

Part Number ^{1,2,3,4,5}	Initial Fixture Lumens	Watt	Lumens Per Watt	CCT	Wet Locations	Voltage	Lens	Optical Pattern	
								Circular	Wide
Standard Models									
HEGMC4PN-SNG	26,500	212	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass	•	
HEGRC4PN-SNG	26,500	212	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass		•
HEGMC4KN-SNG	18,000	144	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass	•	
HEGRC4KN-SNG	18,000	144	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass		•
HEGMC4GN-SNG	14,000	112	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass	•	
HEGRC4GN-SNG	14,000	112	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass		•
HEGMC4DN-SNG	11,000	88	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass	•	
HEGRC4DN-SNG	11,000	88	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass		•
Occupancy Sensor Models ⁶									
HEGMC1PM-SNG	26,500	212	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass	•	
HEGRC1PM-SNG	26,500	212	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass		•
HEGMC1KM-SNG	18,000	144	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass	•	
HEGRC1KM-SNG	18,000	144	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass		•
HEGMC1GM-SNG	14,000	112	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass	•	
HEGRC1GM-SNG	14,000	112	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass		•
HEGMC1DM-SNG	11,000	88	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass	•	
HEGRC1DM-SNG	11,000	88	125	5000 (Cool White)	IP 65	120 - 277V AC	Tempered Glass		•
Variable Dimming Models									
HEGMC4PD-SNG	26,500	212	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass	•	
HEGRC4PD-SNG	26,500	212	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass		•
HEGMC4KD-SNG	18,000	144	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass	•	
HEGRC4KD-SNG	18,000	144	125	5000 (Cool White)	IP 66	110 - 277V AC	Tempered Glass		•
HEGMC4GD-SNG	14,000	112	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass	•	
HEGRC4GD-SNG	14,000	112	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass		•
HEGMC4DD-SNG	11,000	88	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass	•	
HEGRC4DD-SNG	11,000	88	125	5000 (Cool White)	IP 66	100 - 277V AC	Tempered Glass		•
Powerwash Models									
HEGMC4PN-SPG	26,500	212	125	5000 (Cool White)	1000 PSI	110 - 277V AC	Tempered Glass	•	
HEGRC4PN-SPG	26,500	212	125	5000 (Cool White)	1000 PSI	110 - 277V AC	Tempered Glass		•
HEGMC4KN-SPG	18,000	144	125	5000 (Cool White)	1000 PSI	110 - 277V AC	Tempered Glass	•	
HEGRC4KN-SPG	18,000	144	125	5000 (Cool White)	1000 PSI	110 - 277V AC	Tempered Glass		•
HEGMC4GN-SPG	14,000	112	125	5000 (Cool White)	1000 PSI	100 - 277V AC	Tempered Glass	•	
HEGRC4GN-SPG	14,000	112	125	5000 (Cool White)	1000 PSI	100 - 277V AC	Tempered Glass		•
HEGMC4DN-SPG	11,000	88	125	5000 (Cool White)	1000 PSI	100 - 277V AC	Tempered Glass	•	
HEGRC4DN-SPG	11,000	88	125	5000 (Cool White)	1000 PSI	100 - 277V AC	Tempered Glass		•

¹All models show in the table are Cool White, for models in Neutral White, 4000K CCT, replace the 5th character with a **N**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SNG. Deduct 8% from lumen values when specifying neutral.

²For models needing a Safety Bracket, replace the 10th character with a **S**. Example HEGMC4PN-SNG becomes HEGMC4PN-SNG.

³All models show in the above table come with an internal fuse. For models needing an external fuse, replace the 10th character with a **F**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SFG. (Fixture will be listed damp location only with internal fuse)

⁴For models needing both Safety Bracket & Fuse, replace the 10th character with a **G**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SGG.

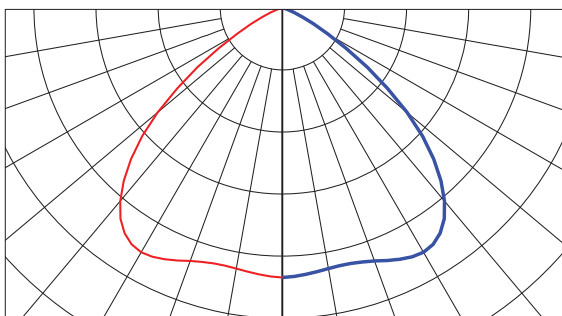
⁵Part numbers with occupancy sensor that will be installed with Hook or Loop (HBXH or HBXL) accessories will require a counter balance installed prior to shipment. Replace the 10th character with a **C**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SCG.

⁶Part numbers listed in the tables above come with a glass lens. For models needing a polycarbonate dome lens, replace the 3rd character with a **L**. Ex: HEGMC4PN-SNG becomes HELMC4PN-SNG. For models needing an acrylic lens, replace the 3rd character with a **1**. Ex: HEGMC4PN-SNG becomes HE1MC4PN-SNG.

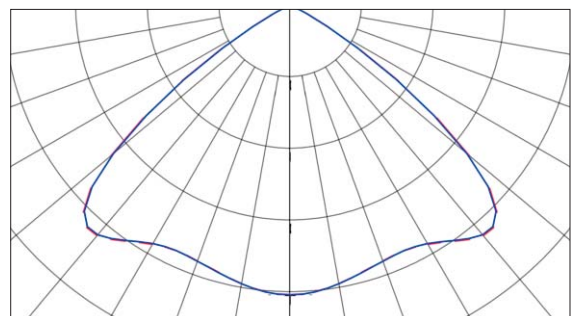
For Dialight's complete list of DLC qualified products, please click this link: www.dialight.com/DLC

Optical Patterns

Circular Pattern

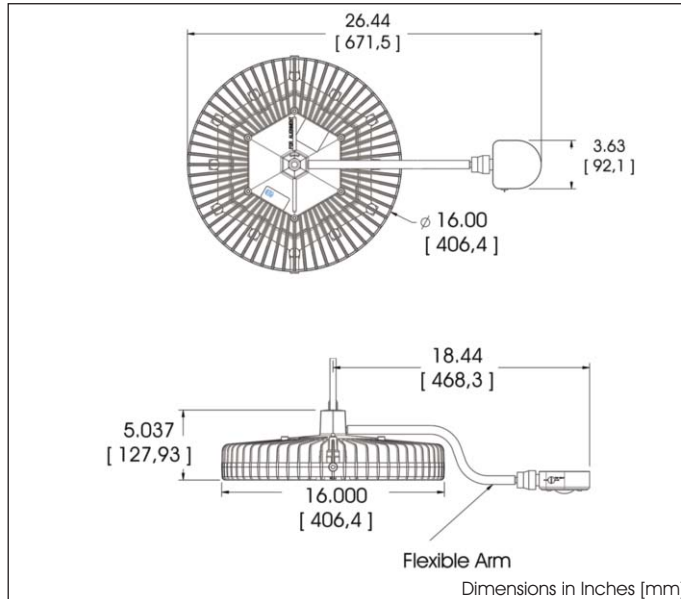


Wide Pattern



Vigilant® LED High Bay

Occupancy Sensor Models



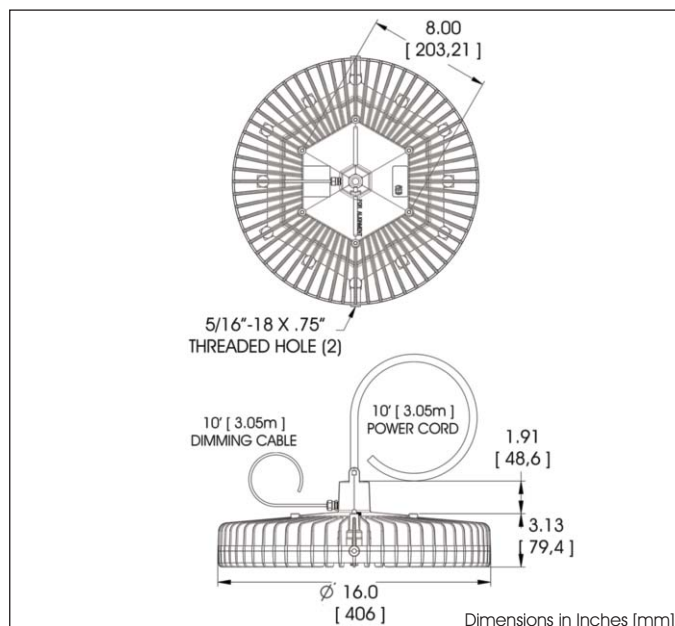
Mechanical, Electrical and Photometric information is the same as on page 3 except where detail is provided

Fixture Weight:	20 lbs (13.34kg)
Container Weight:	27 lbs (9.62kg)
Sensor Mounting:	Attached to the base of the neck using a semi-rigid flexible conduit
Occupancy Sensor:	Wet location Wattstopper HB350W (120 – 277V AC)
Sensor Timing:	30 seconds to 20 minutes
Sensor Lens Options:	Comes complete with interchangeable lenses for multiple mounting heights and sensor patterns
Operating Temperature:	-40°F to +149°F (-40°C to +65°C)

Features and Benefits

- No additional electrical connections required for installation
- Flexible conduit permitting the positioning of the occupancy sensor for optimal coverage
- Interchangeable sensor lens for high bay, low bay, or aisle applications

Variable Dimming Models



Mechanical, Electrical and Photometric information is the same as on page 3 except where detail is provided

Variable Dimming Cable:	Two conductor cable
Power Cable:	Three conductor cable
Dimming Cable Position:	Side of the neck through a cable gland
Variable Dimming Control:	0-10V DC active
Dimming Range:	10V DC = 100% light output 0V DC = 30% light output

Features and Benefits

- 10' plenum rated dimming control cable pre-installed
- Dimming cabling independent of fixture wiring
- Multiple High Bays can be connected to the same dimmer

Vigilant® LED High Bay

Options and Accessories

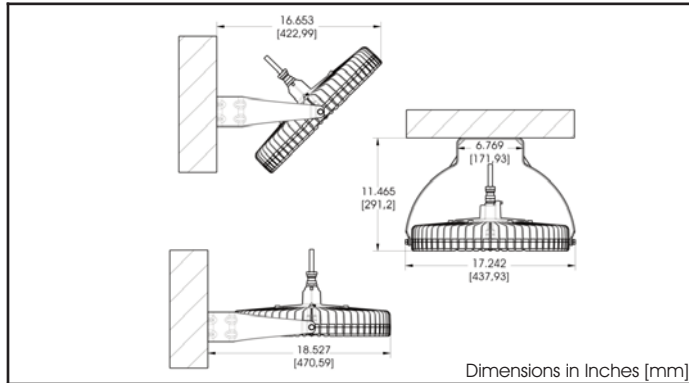
	Part Number	Description	Kit Includes
	HBXDUALBRCKT	Dual Bracket	Junction Box
	No Part Number	Pendant Mount (conduit supplied by installer)	Conduit supplied by installer
	HBXW2	Swivel Bracket and Cable Gland	Swivel Bracket Bracket to fixture hardware Cable Gland (1/2"), Reducer (3/4" to 1/2")
	HBXW3	Swivel Bracket	Swivel Bracket Bracket to Fixture Hardware
	HBXCU	Ceiling Mount	Swivel Hanger Cover 3" Conduit Nipple
	HBXCG	Cable Gland	Cable Gland (1/2") Reducer (3/4" to 1/2")
	HBXL	Loop (consult factory when using with occupancy sensor models)	Hanger Loop (GE LOOPM353)
	HBXH	Hook (consult factory when using with occupancy sensor models)	Hanger Hook (GE HOOKM353)
	HBXCAB48	48" Long Stainless Steel Safety Rope	3/32" Diameter Stainless rope with locking spring clip
	HBXTH347480 ¹	Top hat with 347-480V isolated step down transformer Dry location (consult factory when using with hook or loop)	Top and bottom clam shell Conduit nipple 6' STOOW cable 347-480V step down transformer Fuse holder, 2 Fuses
	HBXLENGC	Tempered Glass	Lens, replacement clips, screws, gasket
	HBXREF22	22" Acrylic Reflector (must be ordered with High Bay, not a retrofit option)	Reflector, brackets, screws
	LBXLENP	Replacement Dome Lens	Lens Replacement screws Gasket
	HBXDC	21° slope dust cover	Dust cover, clamp, spacer
	HBXDC45	45° slope dust cover	Dust cover, clamp, spacer
	HBXDC60	60° slope dust cover	Dust cover, clamp, spacer
	HBXW3-SSL-316	Swivel Bracket Stainless Steel Swivel Bracket	Stainless Steel Swivel Bracket and Stainless Steel Mounting Hardware
	HBXW3-SSL-304		

¹Top hat cannot be used with a mounting bracket

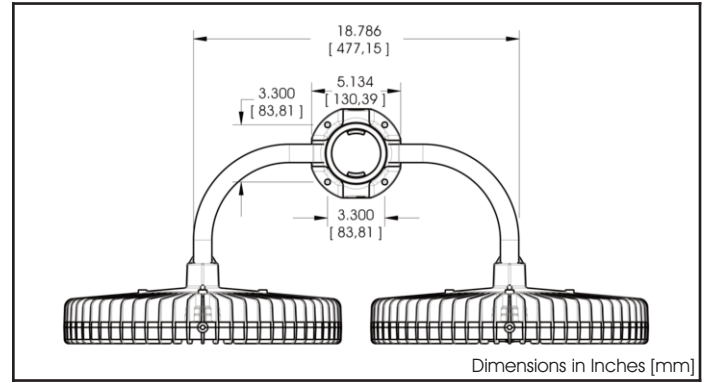
Vigilant® LED High Bay

Options and Accessories

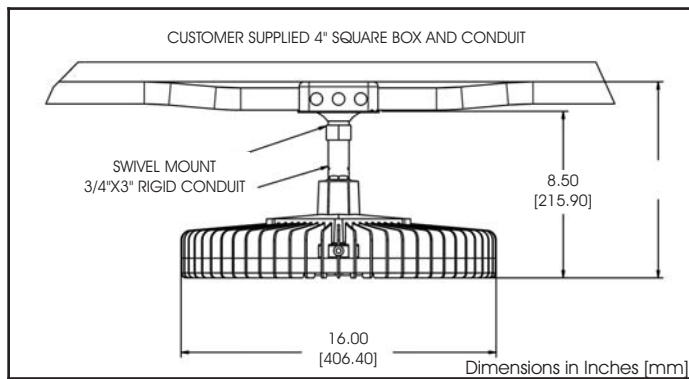
HBXW2 - Swivel Bracket and Cable Gland



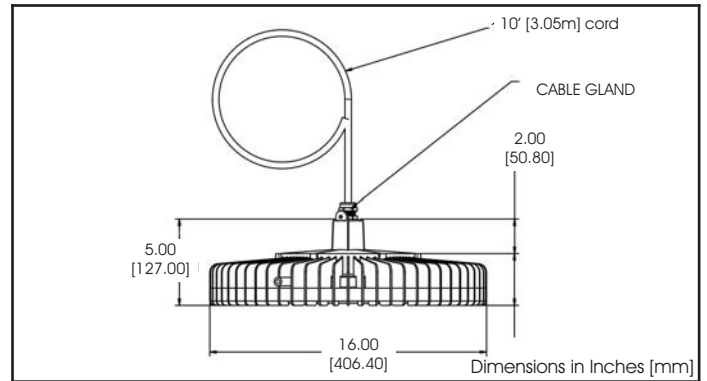
HBXDUALBRCKT - Dual Bracket



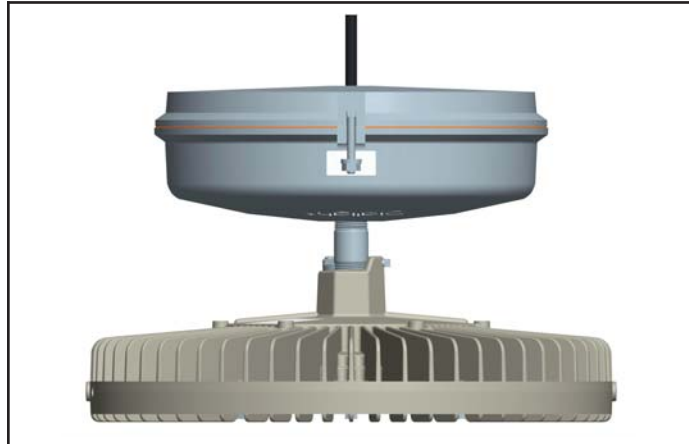
HBXCU - Ceiling Mount



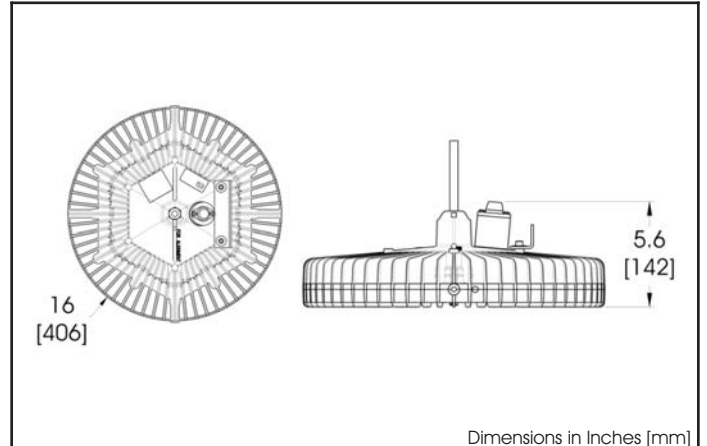
HBXCG - Cable Gland



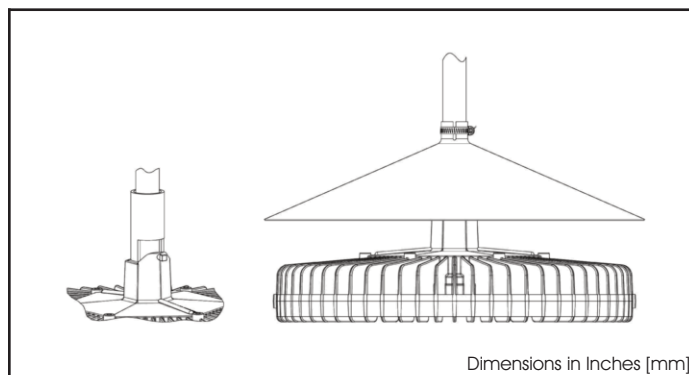
HBXTH347480 - Top Hat (fixture sold separately)



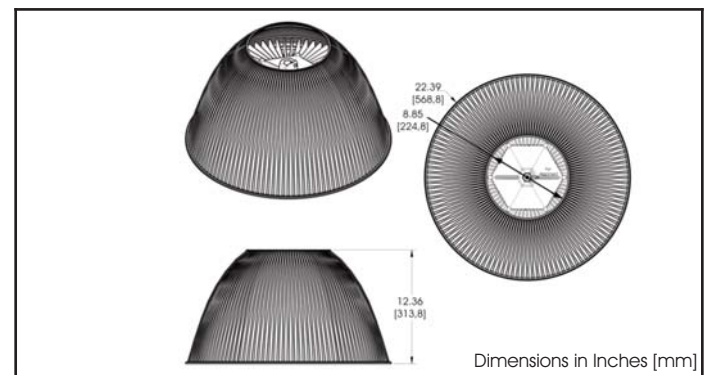
HEGMxxx-SGG - Safety Bracket and Fuse Options



HBXDC - Dust Cover



22" Acrylic Reflector - Consult factory



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