

A photograph of an industrial facility interior. The ceiling is high with a complex network of steel beams and large, cylindrical pipes wrapped in silver insulation. Several bright, circular high bay lights are suspended from the ceiling, illuminating the space. The overall atmosphere is industrial and functional.

Dialight

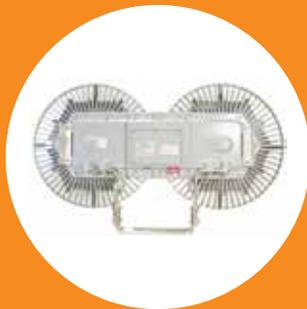
Vigilant[®] LED High Bay - UL / CSA

for Indoor and Outdoor Industrial Applications



On when it matters most.

Products and solutions that protect your business





Features & Benefits

- 10 year full performance warranty
- L70 rated for >150,000 hours @ 25°C ambient
- 125 LPW
- Dual Mounting option available
- Significantly reduced glare
- Instant on/off
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration

Application

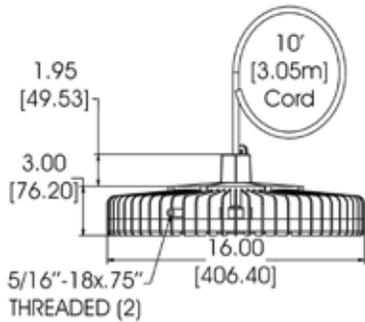
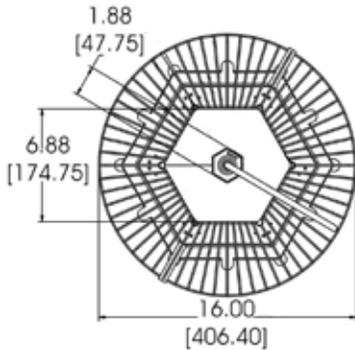
At 125 lumens per Watt, Dialight's new ultra-efficient industrial LED high bay revolutionizes the world of LED lighting and is by far the most innovative LED fixture available today. With a market-leading 10 year full performance warranty, the new 26,500 lumen high bay utilizes cutting-edge optical and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

Vigilant® LED High Bay - UL / CSA

Standard Models



Patent pending



Dimensions in inches [mm]

Certifications & Ratings

- UL 1598/A
- CSA 22 #250
- CE
- NEMA 4X
- IP66 / 67

Mechanical Information:

- Fixture weight:** 18 lbs (8.16kg)
- Shipping weight:** 24 lbs (10.8kg)
- Mounting:** (1) 3/4" NPT - top
(2) 5/16"-18 x .75" UNC - side
- Entries:** 10' (3.05m) STOOV Power Cord

Electrical Specifications:

- Operating Voltage:** 110 – 277V AC: 25,750 & 26,500lm models
100 – 277V AC: 18,000, 14,000 & 11,000lm models

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:

<20%

Power Factor:

> 0.9

Construction:

- Housing:** Copper free aluminum
- Finish:** Superior dual coat finish
- Sealed polyester topcoat
- Chemical-resistant epoxy primer
- Lens :** Tempered glass

Photometric Information:

- CRI:** 75
- CCT:** 5000K (cool white)
4000K (neutral white)

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

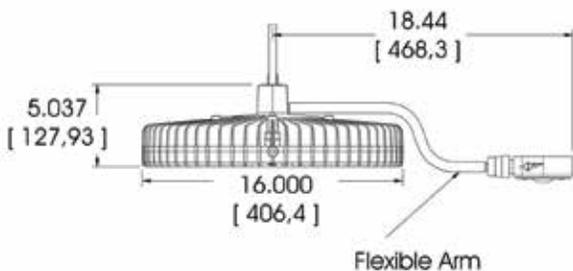
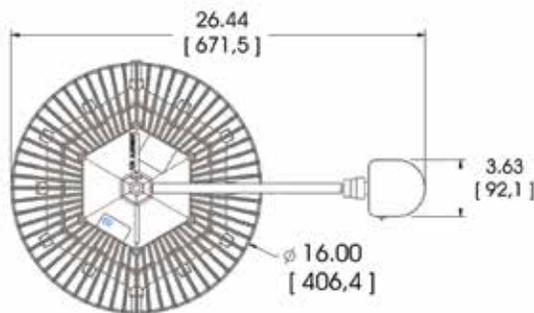
For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide: www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

Vigilant® LED High Bay - UL / CSA

Occupancy Sensor Models



Patent pending



Dimensions in Inches [mm]

Certifications & Ratings

- IP65

Features & 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 application

Mechanical Information:

Fixture weight:	20 lbs (13.34kg)
Shipping weight:	27 lbs (9.62kg)
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side
Entries:	10' (3.05m) STOOOW Power Cord

Sensor:

Sensor Mounting:	Attached to the base of the neck using a semi-rigid flexible conduit
Occupancy Sensor:	Wet location wattstopper
Sensor Lens Options:	30 seconds to 20 minutes
Operating Temperature:	Interchangeable lenses for multiple mounting heights and sensor patterns

Electrical Specifications for High Bay:

Operating Voltage:	110 – 277V AC: 25,750 & 26,500lm models 100 – 277V AC: 18,000, 14,000 & 11,000lm models
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:	<20%
Power Factor:	> 0.9

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens :	Tempered glass

Photometric Information:

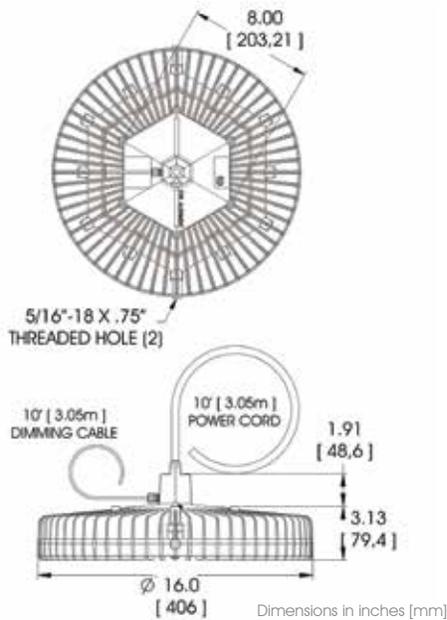
CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)

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

For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide: www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

Vigilant® LED High Bay - UL / CSA

Variable Dimming Models



Features & 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

Mechanical Information:

Fixture weight:	20 lbs (13.34kg)
Shipping weight:	27 lbs (9.62kg)
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side
Entries:	10' (3.05m) STOOOW Power Cord

Variable Dimming:

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

Electrical Specifications for High Bay:

Operating Voltage:	110 – 277V AC: 25,750 & 26,500lm models 100 – 277V AC: 18,000, 14,000 & 11,000lm models
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:	<20%
Power Factor:	> 0.9

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens :	Tempered glass

Photometric Information:

CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)

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

For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide: www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

Vigilant® LED High Bay - UL / CSA

Options and Accessories



HBXW3-SSL-316
HBXW3-SSL-304

- Stainless steel bracket



HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)



HBXDC

- 21° slope dust cover

HBXDC45

- 45° slope dust cover

HBXDC60

- 60° slope dust cover



FLX1HBXSS

- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT

- 316 Stainless steel forward throw bracket



HBXTH347480

- Top hat with 347-480V AC step down transformer (Add 12W to light fixture power consumption)



HBXH

- Hook

Note: when hook or loop accessory is used the fixture is rated for dry locations only



HBXW2

- Swivel bracket and cable gland

HBXW3

- Swivel bracket



HBXL

- Loop

Note: when hook or loop accessory is used the fixture is rated for dry locations only



HBXDUALBRCKT

- Dual bracket



HBXCU

- Ceiling / wall mount



HBXREF22

- 22" Acrylic reflector (must be ordered with high bay, not a retrofit option)



HBXCG

- Cable gland



HBXLENGC

- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

HBXLENAC

- Acrylic lens, clear



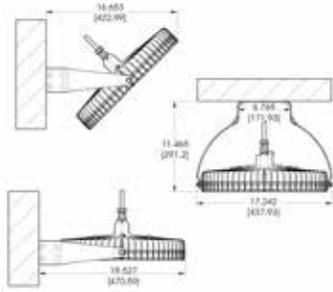
LBXLENP

- Polycarbonate dome lens replacement

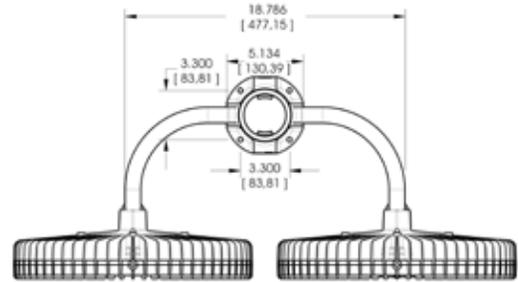
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Options and Accessories Drawings

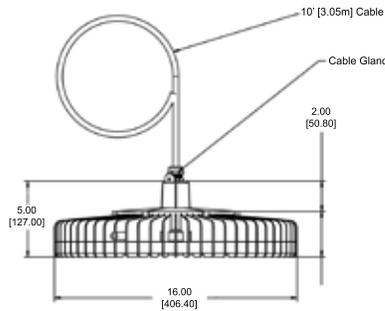
HBXW2 - Swivel Bracket and Cable Gland



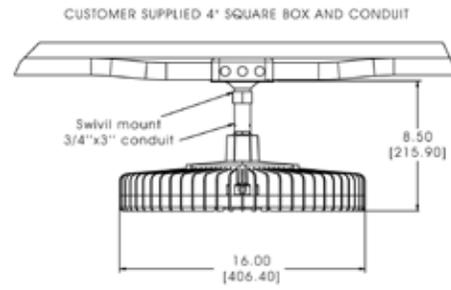
HBXDUALBRCKT - Dual Bracket



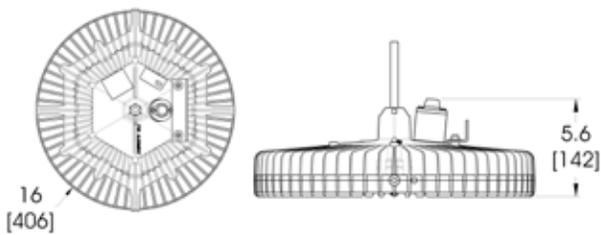
HBXCG - Cable Gland



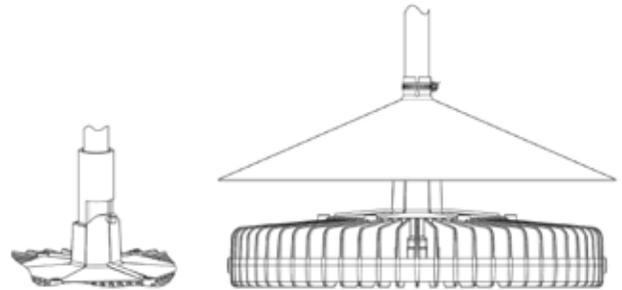
HBXCU - Ceiling Mount



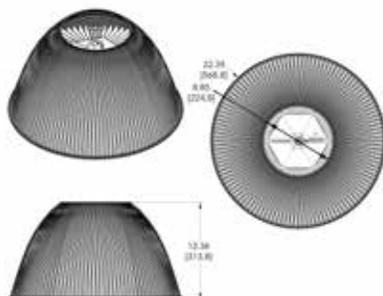
HEGMxxx-SGG - Safety Bracket and Fuse Options



HBXDC - Dust Cover



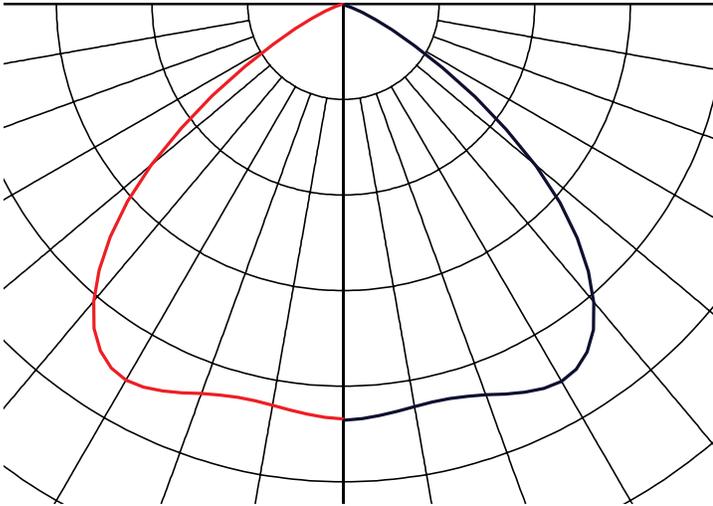
22" Acrylic Reflector - Consult factory



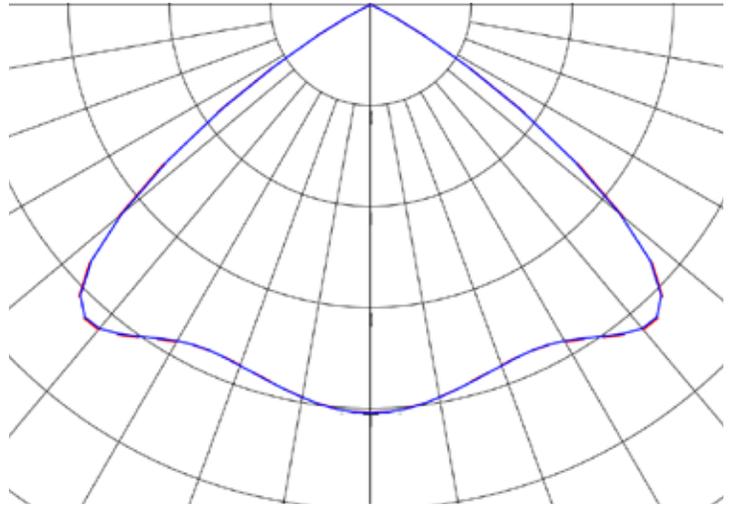
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Light Distribution Pattern

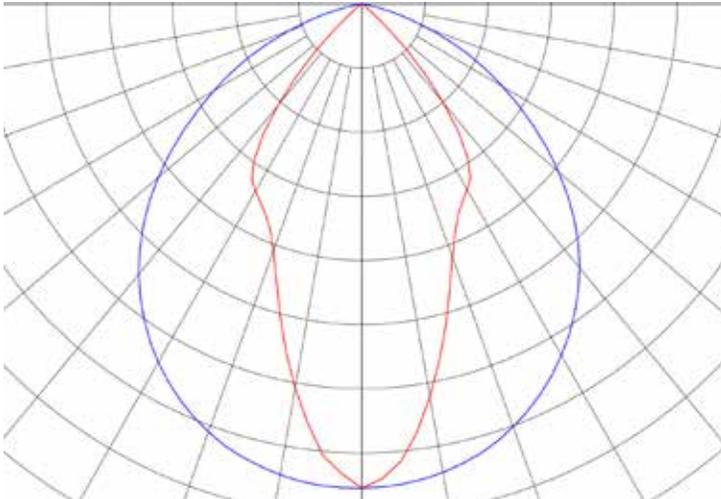
Medium pattern



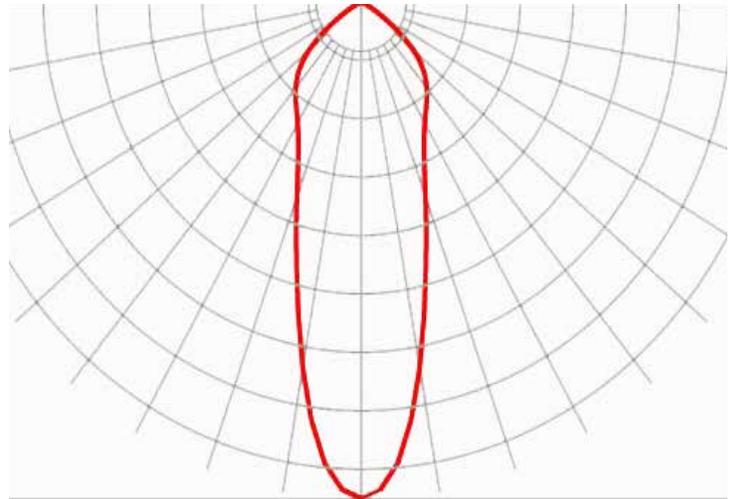
Wide pattern



Aisle pattern



Narrow pattern



Vigilant® LED High Bay - UL / CSA

Ordering Information

Part Number	Fixture Lumen	Watt	LPW	Wet Location	Voltage	CCT	Lens	Optical Pattern
Standard Models								
HEGMC4PN-SNG	26,500	212	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4PN-SNG	26,500	212	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGEC4PN-SNG	25,750	204	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Aisle
HEGNC4PN-SNG	26,500	212	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Narrow
HEGMC4KN-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4KN-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGEC4KN-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Aisle
HEGNC4KN-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Narrow
HEGMC4GN-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4GN-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGEC4GN-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Aisle
HEGNC4GN-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Narrow
HEGMC4DN-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4DN-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGEC4DN-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Aisle
HEGNC4DN-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Narrow
Occupancy Sensor Models								
HEGMC1PM-SNG	26,500	212	125	IP65	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC1PM-SNG	26,500	212	125	IP65	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC1KM-SNG	18,000	144	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC1KM-SNG	18,000	144	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC1GM-SNG	14,000	112	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC1GM-SNG	14,000	112	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC1DM-SNG	11,000	88	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC1DM-SNG	11,000	88	125	IP65	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
Variable Dimming Models								
HEGMC4PD-SNG	26,500	212	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4PD-SNG	26,500	212	125	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4KD-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4KD-SNG	18,000	144	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4GD-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4GD-SNG	14,000	112	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4DD-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4DD-SNG	11,000	88	125	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide

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

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

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

All models show in the above table come with an internal fuse. For models needing an external fuse, replace the 10th character with an **E**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SNG.

(Fixture will be listed damp location only with internal fuse).

For models needing both Safety Bracket & Fuse, replace the 10th character with an **SE**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SNG.

Part 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 an **C**. Ex: HEGMC4PN-SNG becomes HEGMC4PN-SNG.

Part 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 a flat polycarbonate lens, replace the 3rd character with a **2**. Ex: HEGMC4PN-SNG becomes HE2MC4PN-SNG. For models needing a flat acrylic lens, replace the 3rd character with a **J**. Ex: HEGMC4PN-SNG becomes HEJMC4PN-SNG. Dome & acrylic lens not available on power wash models, please use glass or flat polycarbonate.

Vigilant® LED High Bay - UL / CSA

Ordering Information

Part Number	Fixture Lumen	Watt	LPW	Wet Location	Voltage	CCT	Lens	Optical Pattern
Powerwash Models								
HEGMC4PN-SPG	26,500	212	125	1000 PSI	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4PN-SPG	26,500	212	125	1000 PSI	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4KN-SPG	18,000	144	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4KN-SPG	18,000	144	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4GN-SPG	14,000	112	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4GN-SPG	14,000	112	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEGMC4DN-SPG	11,000	88	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEGRC4DN-SPG	11,000	88	125	1000 PSI	100 - 277V AC	5000K (cool white)	Tempered glass	Wide

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

All models shown in the table are Cool White, for models in Neutral White, 4000K CCT, replace the 5th character with an **N**. Ex: HEGMC4PN-SNG becomes HEGM**N**4PN-SNG. Deduct 5% from lumen values when specifying neutral.

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

All models shown in the above table come with an internal fuse. For models needing an external fuse, replace the 10th character with an **E**. Ex: HEGMC4PN-S**N**G becomes HEGMC4PN-S**E**G. (Fixture will be listed damp location only with internal fuse).

For models needing both Safety Bracket & Fuse, replace the 10th character with an **SE**. Ex: HEGMC4PN-S**N**G becomes HEGMC4PN-S**SE**G.

Part 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 an **C**. Ex: HEGMC4PN-S**N**G becomes HEGMC4PN-S**C**G.

Part 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: HEG**M**C4PN-SNG becomes HEL**M**C4PN-SNG. For models needing a flat acrylic lens, replace the 3rd character with a **I**. Ex: HEG**M**C4PN-SNG becomes HE**I**M**C**4PN-SNG. Dome & acrylic lens not available on power wash models, please use glass or flat polycarbonate.

