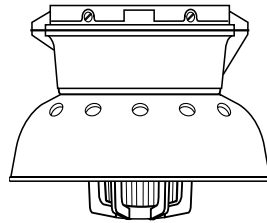




# H.I.D. H SERIES

50 - 400 W HAZARDOUS LOCATIONS

DATE: \_\_\_\_\_ PROJECT MGR: \_\_\_\_\_  
 JOB: \_\_\_\_\_  
 CAT#: \_\_\_\_\_  
 TYPE: \_\_\_\_\_



H.I.D. H SERIES: 50 - 400 WATTS

- TASK ①
- PAINTBOOTH ②
- VAPOR DUST ③
- VAPOR ④
- WET DAMP ⑤
- MARINE ⑥
- EXPLOSION PROOF ⑦
- HID ⑧**

## DESCRIPTION

The H.I.D. H Series has a powder coat finish over a cast copper-free aluminum housing designed for Hazardous Environments. The product is available in wattages of 50 – 400w and H.I.D. lamp choice of Metal Halide or High Pressure Sodium. Perfect for a multitude of applications such as Chemical Plants, Automobile Manufacturing and Marine and Coastal facilities, this fixture carries many CSA and UL listings. The H.I.D. H Series also has an assortment of options from Reflector choices, Auxiliary Quartz Lamp and a 3-sided Exit Sign attachment. Don't forget the UNIPACK option that provides a fully assembled product for ease of installation!

## SPECIFICATIONS

- LISTINGS:** Class I Div. 2 Groups A, B, C, D  
 Class II Div. 1 & 2 Groups E, F, G  
 Class III Div. 1 & 2  
 UL listed 1572, 844, 595  
 NEMA 4X
- ELECTRICAL:** High pressure sodium (50 to 400 watts)  
 Metal halide (70 to 400 watts)
- HOUSING:** Cast copper-free aluminum with powder coated finish
- GUARD:** Polymeric, Aluminum, or Steel Wire
- GLOBE:** 5 1/2" or 7 3/4" Dia. Heat resistant  
 7 3/4" IES Type I, III or V,  
 12" Dia. IES Type II, V, (5 1/2" thread)  
 12" Dia. IES Type II, V (7 3/4" thread)
- MOUNTING:** Rigid or Flexible Pendant, Ceiling,  
 Wall or Cone Pendant 25 Stanchion,  
 Straight Stanchion, HazVector™ Ring Mount
- OPTIONS:** Stainless Steel Inserts  
 Auxiliary Quartz Lamp  
 Fuse Block  
 UNIPAK® (assembled Fixture)  
 HazCote™

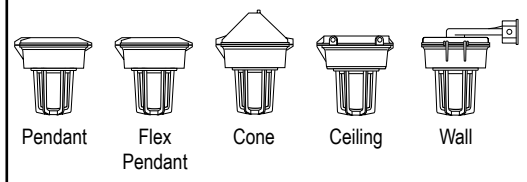


## APPLICATIONS

- |                                 |                                    |
|---------------------------------|------------------------------------|
| Chemical Plants                 | Flour, Sugar, Starch Processing    |
| Oil Refineries                  | Ammunition Manufacturing           |
| Paint, Rubber Manufacturing     | Coal, Gold and Copper Mining       |
| Offshore Platforms              | Pulp and Paper Manufacturing       |
| Oil Drilling Rigs               | Copper, Aluminum Smelting          |
| Oil, Gas Transmission           | Breweries, Malt Plants             |
| Waste Treatment Facilities      | Shipyards, Shipbuilding Facilities |
| Airplane, Aerospace Facilities  | Automobile Manufacturing           |
| Electronics Manufacturing       | Marine and Coastal Facilities      |
| Pharmaceutical Plants           | Utility Power Plants               |
| Aircraft Manufacturing          | Steel Mills, Foundries             |
| Vehicle Maintenance Facilities  | General Manufacturing Plants       |
| Grain Handling, Food Processing |                                    |

- INSPECTION ⑨
- PORTABLE LIGHTING ⑩
- MOUNTING ⑪
- PHOTOMETRY ⑫
- LAMPS BALLASTS ⑬
- INFO ⑭
- CUSTOM ⑮
- ASK THE EXPERT ⑯

## MOUNT OPTIONS





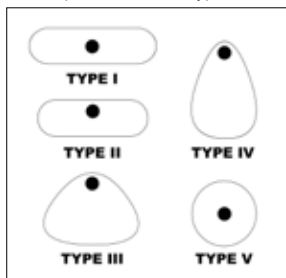
# H.I.D. H SERIES

## 50 - 400 W HAZARDOUS LOCATIONS

### PART NUMBERS

| ① TASK              | SERIES  | LAMP  | STARTER   | WATT  | BALLAST  | VOLTAGE   | HOUSING  | OPTICAL  | MOUNT  | FINISH  | UNIPAK | FUSING | NEMA | CSA |
|---------------------|---|---|---|---|--|---|--|--|--|---|--------|--------|------|-----|
| ② PAINTBOOTH        | Series:<br>D: HID<br>Hazardous<br>Location<br>Fixture<br><br>Lamp Type:<br>S: High Pressure Sodium<br>H: Metal Halide<br><br>Starter Circuit/Quartz<br>0: Standard Fixture<br>Q: Quartz Auxiliary Option**<br>R: Instant Start<br>J: Auto Shutoff Starter<br>P: Pulse Start<br><br>Voltage/Freq.<br>03: 120/277 Volt, 60 Hz<br>04: 120/208/240/277<br>Volt, 60 Hz<br>09: 120/240/347<br>Volt, 60 Hz (CSA)<br>12: 120 Volt, 60 Hz<br>27: 277 Volt, 60 Hz<br>48: 480 Volt, 60 Hz<br>225: 220 Volt/50 Hz<br>245: 240 volt, 50 Hz | Lamp Wattage*<br>05: 50 watt<br>07: 70 watt<br>10: 100 watt<br>15: 150 watt<br>17: 175 watt<br>20: 200 watt<br>25: 250 watt<br>40: 400 watt | Ballast Circuit:<br>H: High Reactance (≤150W)<br>C: Constant Wattage<br>Autotransformer<br>(All ballast high power factor.) | Ballast Housing Style<br>0: Standard Housing<br>(150W HPS, 250W MH, MV max.)<br>R: Refractor Globe Housing<br>(150W HPS, 250W MH, MV max.)<br>L: Large Housing<br>(200-400W HPS; 400W MH, MV)<br>S: Standard Housing<br>w/Stainless Steel Inserts<br>I: Refractor Globe Housing<br>w/Stainless Steel Inserts<br>M: Large Housing<br>w/Stainless Steel Inserts | Optical Assembly Options<br>For Std. Housing Fixtures (5-1/2" Thread)<br>TG: Thermal Shock Resist. Globe<br>TGL: TG with Polymeric Guard<br>SG: Tuffskin® Coated Globe<br>SGL: SG with Polymeric Guard<br>R2: 12" Glass Refractor, Type II<br>R5: 12" Glass Refractor, Type V<br>R2G: R2 with Wire Guard<br>R5G: R5 with Wire Guard<br><br>For Refr. Globe Housing Fixtures (7-3/4" Thread)<br>R1: 7 3/4" Refractor Globe, Type I<br>R3: 7 3/4" Refractor Globe, Type III<br>R5: 7 3/4" Refractor Globe, Type V<br>R1P: R1 with Polymeric Guard<br>R3P: R3 with Polymeric Guard<br>R5P: R5 with Polymeric Guard<br>TG: 7 3/4" Thermal Shock Res. Globe<br>TGP: TG with Polymeric Guard<br><br>For Large Housing Fixtures (7-3/4" Thread)<br>TG: Thermal Shock Resist. Globe<br>TGC: TG with Cast Alum. Guard<br>SG: Tuffskin® Coated Globe<br>SGC: SG with Cast Alum. Guard<br>R2: 12" Glass Refractor, Type II<br>R5: 12" Glass Refractor, Type V<br>R2G: R2 with Steel Guard<br>R5G: R5 with Steel Guard<br>RCB: Enclosed High Bay Reflector<br>RCG: RCB with Steel Wire Guard | Mounting style<br>A2: 3/4" Cone Top Pendant<br>A3: 1" Cone Top Pendant<br>B2: 3/4" Wall Mount<br>B3: 1" Wall Mount<br>C2: 3/4" Ceiling Mount<br>C3: 1" Ceiling Mount<br>F2: 3/4" Flexible Pendant<br>F3: 1" Flexible Pendant<br>HV1: HazVertor™ Ring - CI, D2<br>HV2: HazVertor™ Ring - CII, D1<br>L4: 1 1/4" Straight Stanchion<br>L5: 1 1/2" Straight Stanchion<br>P2: 3/4" Rigid Pendant<br>P3: 1" Rigid Mount<br>S4: 1 1/4" 25° Angle Stanchion<br>S5: 1 1/2" 25° Angle Stanchion | Special Finish<br>Option<br>T: HazCote™<br>Custom Corrosion<br>Coating | Fusing Options<br>F: Single Fuse Block with Fuse<br>FF: Double Fuse Block with Fuse<br><br>UNIPAK® Packaging Options<br>E: w/ Clear Lamp<br>E1: w/ Clear Lamp, Dome Reflector<br>E2: w/ Clear Lamp, Angle Reflector<br>D: w/ Dual Arc Lamp<br>D1: Dual Arc Lamp, Dome Reflector<br>D2: Dual Arc Lamp, Angle Reflector<br>U: Unlamped | NEMA Lamp<br>Wattage Decal<br>N: NEMA Lamp Wattage<br>Decal on Housing | CSA Cert.<br>C: CSA<br>Nameplate<br>(consult factory) |        |        |      |     |
| ③ VAPOR DUST        |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ④ VAPOR             |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑤ WET DAMP          |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑥ MARINE            |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑦ EXPLOSION PROOF   |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑧ HID               |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑨ INSPECTION        |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑩ PORTABLE LIGHTING |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑪ MOUNTING          |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑫ PHOTOMETRY        |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑬ LAMPS BALLASTS    |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑭ INFO              |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑮ CUSTOM            |   |   |   |   |  |   |  |  |  |   |        |        |      |     |
| ⑯ ASK THE EXPERT    |   |   |   |   |  |   |  |  |  |   |        |        |      |     |

Optical Refractor Types



For representational purposes only

All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with lamp" packaging is specified.

To order fixtures with "UNIPAK® with lamp" packaging add "E" to the end of the catalog number.

\*\* Adding Quartz restrrike will be Class I Div. 2 ONLY with a T rating of 625°C

FOR UNIPAK® SEE PAGE 8.9

FOR HAZVERTOR™ RING SEE PAGE 8.9  
 OPTIONS AND COMPONENTS SEE PAGES 8.10 - 8.11  
 DIMENSIONS SEE PAGES 8.19 - 8.20  
 T-RATINGS SEE PAGES 8.23 - 8.24

\*High pressure sodium (50 to 400 watts)  
 Metal halide (70 to 400 watts)



# H.I.D. H SERIES: OPTIONS

## MARINE AND HAZARDOUS LOCATIONS

### UNIPAK® Packaging

LDPI® H.I.D. fixtures ordered with UNIPAK® packaging option will be completely assembled with lamp (and with mounting cover and/or reflector, if specified) and shipped in one carton. Each fixture assembly is foamed in place in the carton to insure zero transit damage. Receiving, handling, storing, identification, assembly and component matching are all made easier by this common sense approach to manufacturing and shipping.

Use catalog numbering codes (position #11) to add UNIPAK® with lamp packaging to any made-to-order H.I.D. assembly.

Benefits of UNIPAK® packaging:

Fewer cartons to receive

Fewer cartons to store

Reduced jobsite material and handling cost

Lower installation labor cost

No chance of Lamp/Ballast mismatch in field

No waiting around for fixtures

### HazVektor™ Adaptor Ring

The HazVektor™ Ring is a UL listed adapter ring which gives you the freedom to replace Crouse-Hinds® VMV, LMV and DMV series Champ® lighting fixtures with LDPI H.I.D. fixtures - without removing the Crouse-Hinds® mounting top hat from the conduit system.

Just look at the advantages:

Increased energy efficiency and lumen output by upgrading from mercury vapor to metal halide or high pressure sodium.

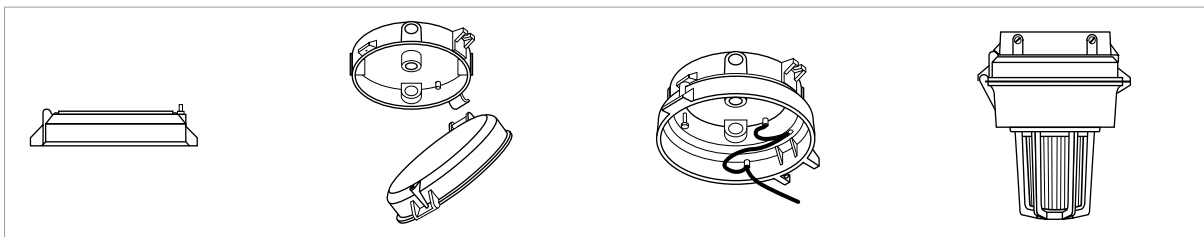
Utilize threaded glass refractors for improved light distribution

Improved photometric performance in many cases.

Easy to Order. Easy to Install. UL listed.

For use with H.I.D. Marine, or Hazardous environment fixture.

Not available for the Compact fixture.



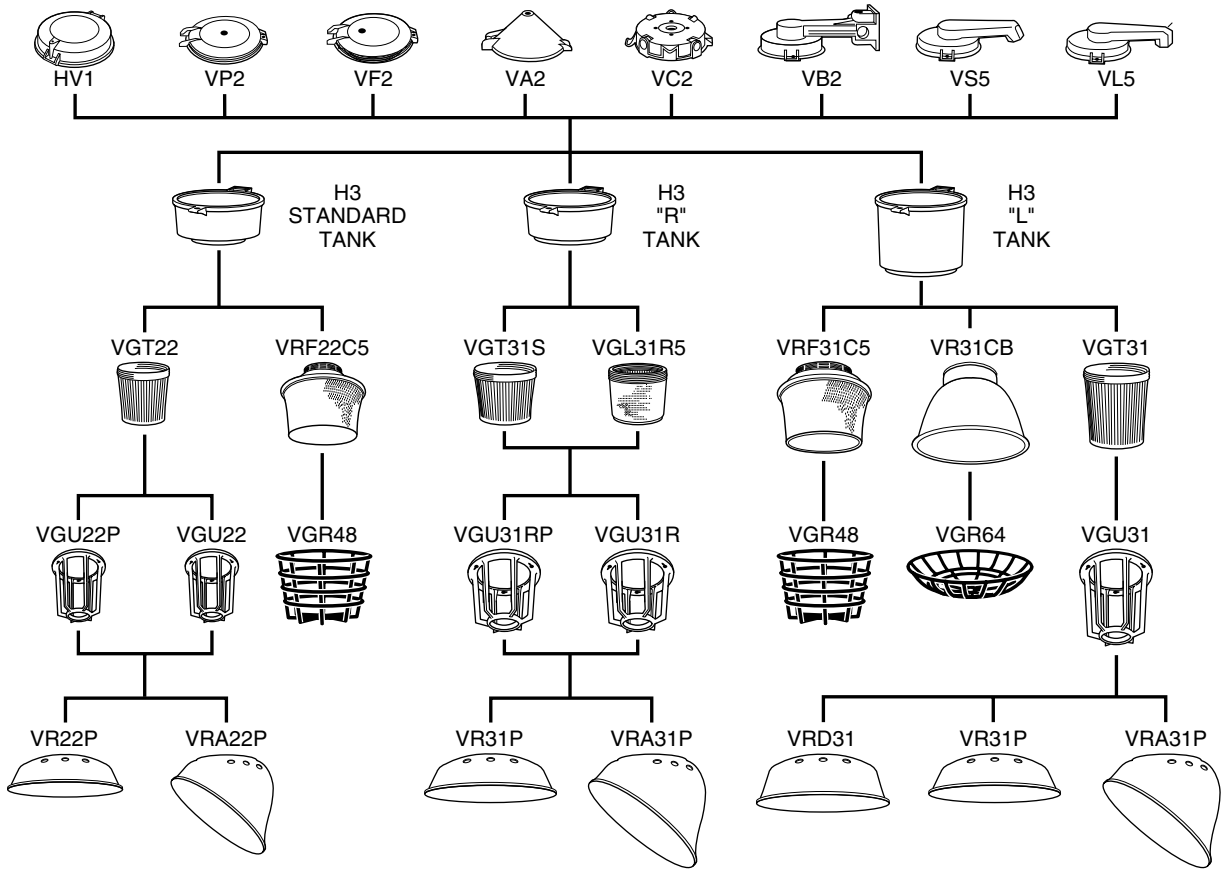
|                   |          |
|-------------------|----------|
| TASK              | ①        |
| PAINTBOOTH        | ②        |
| VAPOR DUST        | ③        |
| VAPOR             | ④        |
| WET DAMP          | ⑤        |
| MARINE            | ⑥        |
| EXPLOSION PROOF   | ⑦        |
| <b>HID</b>        | <b>⑧</b> |
| INSPECTION        | ⑨        |
| PORTABLE LIGHTING | ⑩        |
| MOUNTING          | ⑪        |
| PHOTOMETRY        | ⑫        |
| LAMPS BALLASTS    | ⑬        |
| INFO              | ⑭        |
| CUSTOM            | ⑮        |
| ASK THE EXPERT    | ⑯        |



# H.I.D. H SERIES: OPTIONS

## MARINE AND HAZARDOUS LOCATIONS

- ① TASK
- ② PAINTBOOTH
- ③ VAPOR DUST
- ④ VAPOR
- ⑤ WET DAMP
- ⑥ MARINE
- ⑦ EXPLOSION PROOF
- ⑧ HID
- ⑨ INSPECTION
- ⑩ PORTABLE LIGHTING
- ⑪ MOUNTING
- ⑫ PHOTOMETRY
- ⑬ LAMPS BALLASTS
- ⑭ INFO
- ⑮ CUSTOM
- ⑯ ASK THE EXPERT



### H.I.D. Options

The options listed below plus many more are available with LDPI H.I.D. fixtures.

#### Instant Restart (50-150W HPS)

Allows high pressure sodium lamp to be immediately restarted after a momentary power outage.

#### Auxiliary Quartz Circuit - All

Fixture provided with 120 volt 100W lamp quartz lamp circuit. Quartz lamp will operate during HID warm-up period, or when HID lamp cools down before restarting.

#### NEMA Lamp Wattage Decal - All

Adhesive back lamp wattage decal is provided on ballast housing exterior to clearly indicate wattage for relamping and maintenance.

#### Auto Shutoff Option (50-150W HPS)

Auto shutoff device prevents starter failure by disabling the starter circuit in case of cycling or defective HPS lamp.

(not for use with instant restart option.)

50 Hertz Ballast (Most H.I.D. Fixtures)

50 Hertz ballast in a variety of voltages can be furnished for international voltage systems.

Tuffskin® Coated Glass Globes

#### (All globes)

Tuffskin silicone coating contains glass particles in case of breakage, and prevents glass from contaminating process areas.

#### HazCote™ Custom Corrosion

Resistant Coating (All)

Custom chemical coating provides even higher degree of corrosion protection for cast aluminum parts. For use in highly corrosive environments.

#### Dual Arc Tube Lamps (HPS)

Provide standby/immediate restart capabilities.

#### Stainless Steel Inserts (All)

Stainless Steel inserts for guard screws and ballast housing closure screw eliminate possibility of galvanic corrosion between stainless steel screws and aluminum parts.

#### UNIPAK® Packaging (All)

UNIPAK® packaging means that fixtures are completely assembled - with lamp - and foamed in one carton. Saves labor, handling, storage and reduces total installed cost per fixture.

#### HazVerter™

Adapter Ring

UL listed adapter ring enables quick, easy, UL listed retrofit of Crouse-Hinds® VMV, LMV and DMV series Champ® fixtures.


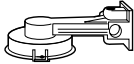



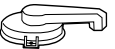


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# H.I.D. H SERIES: OPTIONS


## MARINE AND HAZARDOUS LOCATIONS




### MOUNTING COVERS

| Mounting Style  | Hub Size   | Cat. No.   | Mounting Style  | Hub Size         | Cat. No.   |
|---|------------|------------|---|------------------|------------|
| Rigid Pendant<br>    | 3/4"<br>1" | VP2<br>VP3 | Wall<br>               | 3/4"<br>1"       | VB2<br>VB3 |
| Cone Pendant<br>     | 3/4"<br>1" | VA2<br>VA3 | 25° Stanchion<br>      | 1 1/4"<br>1 1/2" | VS4<br>VS5 |
| Flexible Pendant<br> | 3/4"<br>1" | VF2<br>VF3 | Straight Stanchion<br> | 1 1/4"<br>1 1/2" | VL4<br>VL5 |
| Ceiling<br>          | 3/4"<br>1" | VC2<br>VC3 | HazVerter Ring<br>     |                  | HV2<br>HV3 |

| REFLECTORS, EXIT SIGN   | Cat. No. | Description   |
|---|----------|---|
|  | VR22P    | Standard Dome Fiberglass Reinforced Polyester For use with Std. Housing             |
|   | VR31P    | Standard Dome Fiberglass Reinforced Polyester For use with "R" and Lg. Housing      |
|  | VRD31    | Deep Dome Anodized Aluminum For use with "R" and Lg. Housings                       |
|   | VR31CB   | Enclosed High Bay Anodized Aluminum with lens For use with "R" or Lg. Housings      |
|  | VRA22P   | 30° Angle Reflector Fiberglass Reinforced Polyester For use with Std. Housing       |
|   | VRA31P   | 30° Angle Reflector Fiberglass Reinforced Polyester For use with "R" or Lg. Housing |
|  | VRE22    | Three sided Exit Sign For use with Std. housing                                     |

- TASK ①
- PAINTBOOTH ②
- VAPOR DUST ③
- VAPOR ④
- WET DAMP ⑤
- MARINE ⑥
- EXPLOSION PROOF ⑦
- HID ⑧**
- INSPECTION ⑨
- PORTABLE LIGHTING ⑩
- MOUNTING ⑪
- PHOTOMETRY ⑫
- LAMPS BALLASTS ⑬
- INFO ⑭
- CUSTOM ⑮
- ASK THE EXPERT ⑯

| GLOBES, REFRACTORS  | Cat. No. | Description   |
|---|----------|---|
|  | VGT22    | 5 1/2" dia. Heat Resistant Globe For use with standard housing (250W max)         |
|   | VGT31S   | 7 3/4" dia. Heat Resistant Globe For use with "R" Housing (250W max)              |
|   | VGT31    | 7 3/4" dia. Heat Resistant Globe For use with large Housing (400W max)            |
|  | VGL31R1  | 7 3/4" IES Type I Refractor Globe For use with "R" housing (250W max)             |
|   | VGL31R3  | 7 3/4" IES Type III Refractor Globe For use with "R" housing (250W max)           |
|   | VGL31R5  | 7 3/4" IES Type V Refractor Globe For use with "R" housing (250W max)             |
|  | VRF22C2  | 12" dia. IES Type II Refractor 5 1/2" thread, for use with standard housing       |
|   | VRF22C5  | 12" dia. IES Type V Refractor 5 1/2" thread, for use with standard housing        |
|  | VRF31C2  | 12" dia. IES Type II Refractor 7 3/4" thread, for use with "R" and large housings |
|   | VRF31C5  | 12" dia. IES Type V Refractor 7 3/4" thread, for use with "R" and large housings  |

| GUARDS   | Cat. No. | Description   |
|--|----------|---|
|   | VGU22P   | Polymeric Guard for VGT series Globes                                   |
|  | VGU31RP  | Polymeric Guard for VGT31S Globe and VGL31R Series Refractor Globes     |
|  | VGU31R   | Cast Aluminum Guard for VGT31S Globe and VGL31R Series Refractor Globes |
|   | VGU31    | Cast Aluminum Guard for VGT31 Globe                                     |
|  | VGR48    | Steel Wire Guard for all VRF Series 12" Refractors                      |
|  | VGR64    | Steel Wire Guard for VR31CB Enclosed High Bay Reflector                 |

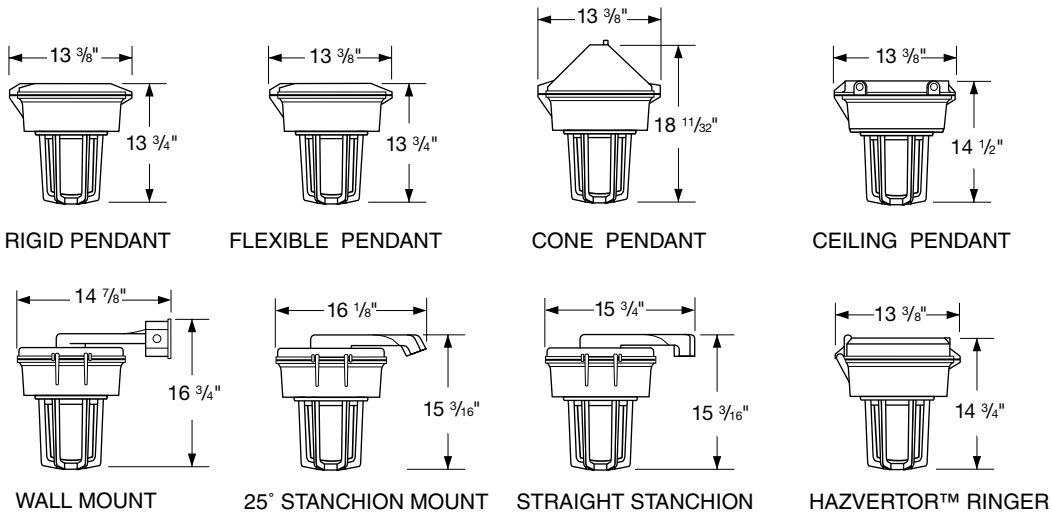


# H.I.D. H SERIES

## DIMENSIONS

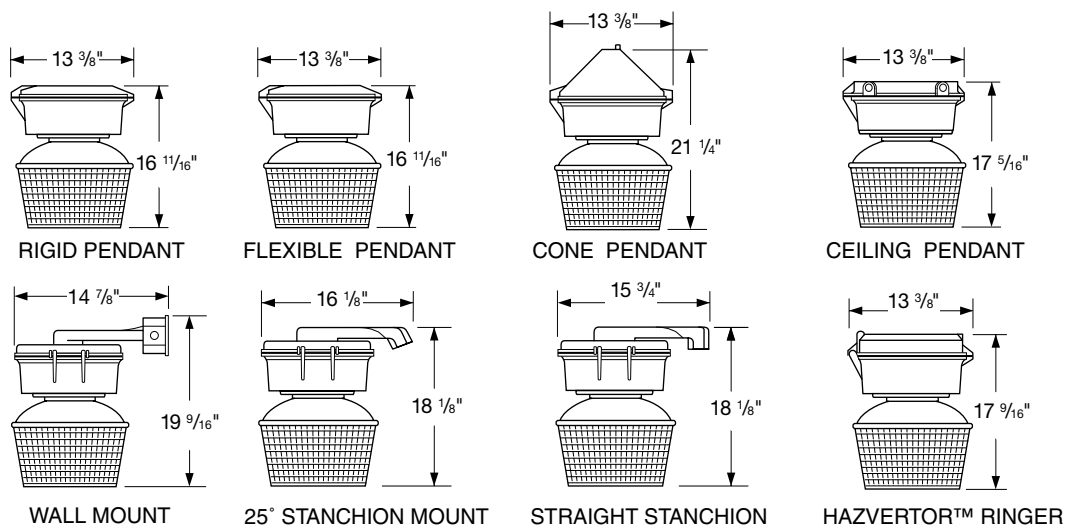
### H.I.D. H SERIES MARINE AND HAZARDOUS LOCATION FIXTURES

#### STANDARD BALLAST HOUSING WITH GLOBE AND GUARD



FOR LARGE BALLAST HOUSING WITH GLOBE AND GUARD ADD 7 5/8" (7.625) TO HEIGHT MEASUREMENT

#### STANDARD BALLAST HOUSING WITH 12" REFRACTOR AND GLOBE



FOR LARGE BALLAST HOUSING WITH 12" REFRACTOR AND GLOBE ADD 4 3/16" (4.1875) TO HEIGHT MEASUREMENT

|                   |          |
|-------------------|----------|
| TASK              | ①        |
| PAINTBOOTH        | ②        |
| VAPOR DUST        | ③        |
| VAPOR             | ④        |
| WET DAMP          | ⑤        |
| MARINE            | ⑥        |
| EXPLOSION PROOF   | ⑦        |
| <b>HID</b>        | <b>⑧</b> |
| INSPECTION        | ⑨        |
| PORTABLE LIGHTING | ⑩        |
| MOUNTING          | ⑪        |
| PHOTOMETRY        | ⑫        |
| LAMPS BALLASTS    | ⑬        |
| INFO              | ⑭        |
| CUSTOM            | ⑮        |
| ASK THE EXPERT    | ⑯        |



# H.I.D. H SERIES / H2 SERIES

## DIMENSIONS

### H.I.D. H SERIES MARINE AND HAZARDOUS LOCATION FIXTURES

1 TASK

2 PAINTBOOTH

3 VAPOR DUST

4 VAPOR

5 WET DAMP

6 MARINE

7 EXPLOSION PROOF

8 **HID**

9 INSPECTION

10 PORTABLE LIGHTING

11 MOUNTING

12 PHOTOMETRY

13 LAMPS BALLASTS

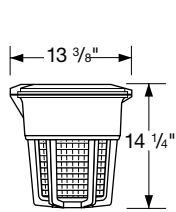
14 INFO

15 CUSTOM

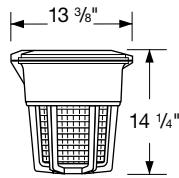
16 ASK THE EXPERT

R TANK HOUSING WITH 7 3/4" REFRACTOR AND GUARD

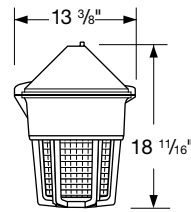
R TANK HOUSING WITH 7 3/4" GLOBE AND GUARD



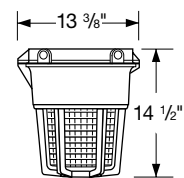
RIGID PENDANT



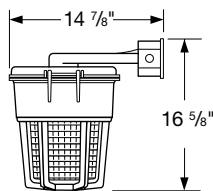
FLEXIBLE PENDANT



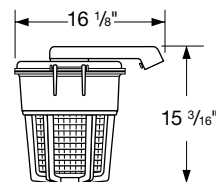
CONE PENDANT



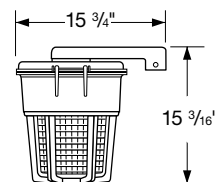
CEILING PENDANT



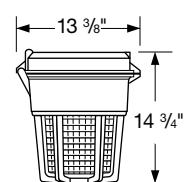
WALL MOUNT



25° STANCHION MOUNT

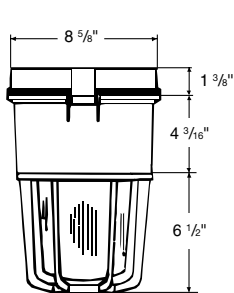


STRAIGHT STANCHION

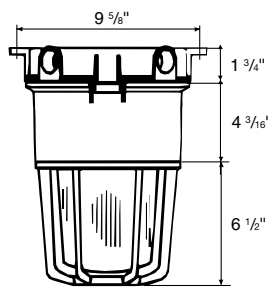


HAZVERTOR™ RINGER

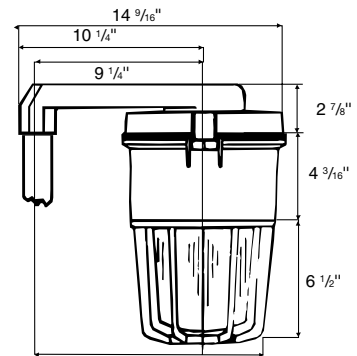
### H.I.D. H2 SERIES MARINE AND HAZARDOUS LOCATION FIXTURES



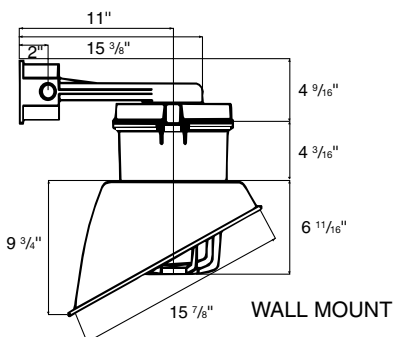
RIGID PENDANT



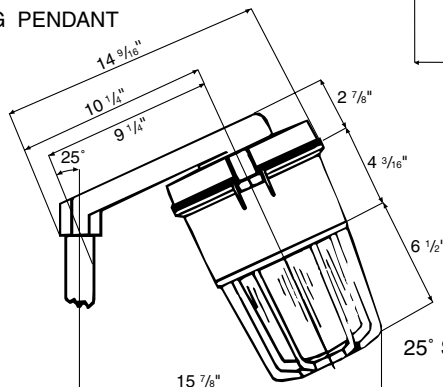
CEILING PENDANT



90° STANCHION MOUNT



WALL MOUNT



25° STANCHION MOUNT



# H.I.D. H SERIES

50 - 400 WATTS HAZARDOUS LOCATIONS

## H.I.D. H SERIES CERTIFICATION GUIDE (40°C AMBIENT) STANDARD BALLAST HOUSING 5 1/2" THREAD

| LAMP TYPE            | WATTS | AMBIENT TEMP (Deg. C) | CLASS I, DIV. 2 GROUP A, B, C, D TEMPERATURE CODE |                            | CLASS II DIV. 1 & 2 GROUPS                  |                            | UL 595 MARINE | NEMA 4X | SUPPLY WIRE TEMP. RATING (Deg. C) |
|----------------------|-------|-----------------------|---|----------------------------|---|----------------------------|---------------|---------|-----------------------------------|
|                      |       |                       | VGT/VGL22 5-1/2" Globe, Guard & Reflector         | VRF22C5 12" Dia. Refractor | VGT/VGL22 5-1/2" Globe, Guard and Reflector | VRF22C5 12" Dia. Refractor |               |         |                                   |
| HIGH PRESSURE SODIUM | 50    | 40                    | T3C   | T4                         | EFG   | EFG                        | YES           | YES     | 85                                |
|                      | 70    | 40                    | T3A   | T3C                        | EFG   | EFG                        | YES           | YES     | 85                                |
|                      | 100   | 40                    | T2C   | T2D                        | EFG   | EFG                        | YES           | YES     | 85                                |
|                      | 150   | 40                    | T2A   | T2B                        | -   | EFG                        | YES           | YES     | 90                                |
| MERCURY VAPOR        | 100   | 40                    | T2B   | T2C                        | EFG   | EFG                        | YES           | YES     | 85                                |
|                      | 175   | 40                    | T2  | T2B                        | -   | EFG                        | YES           | YES     | 90                                |
|                      | 250   | 40                    | 350° C  | 325° C                     | -   | EFG                        | -             | YES     | 110                               |
| METAL HALIDE         | 70    | 40                    | T3C   | T3C                        | EFG   | EFG                        | YES           | YES     | 60                                |
|                      | 100   | 40                    | T3A   | T3A                        | EFG   | EFG                        | YES           | YES     | 75                                |
|                      | 175   | 40                    | T2A   | T2C                        | -   | EFG                        | YES           | YES     | 90                                |
|                      | 250   | 40                    | T2  | T2                         | -   | EFG                        | -             | YES     | 125                               |

- TASK ①
- PAINTBOOTH ②
- VAPOR DUST ③
- VAPOR ④
- WET DAMP ⑤
- MARINE ⑥
- EXPLOSION PROOF ⑦
- HID ⑧**
- INSPECTION ⑨
- PORTABLE LIGHTING ⑩
- MOUNTING ⑪
- PHOTOMETRY ⑫
- LAMPS BALLASTS ⑬
- INFO ⑭
- CUSTOM ⑮
- ASK THE EXPERT ⑯

NOTES: 1.) Simultaneous Presence Applications: Some H.I.D. H Series fixtures are UL Listed for simultaneous presence of gas and dust. Contact LDPI for specific information.  
 2.) Tuffskin® Coated Optics: Many H.I.D. Series H fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact LDPI for specific information.  
 3.) For UL and CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory.  
 4.) Consult factory for fixtures with higher ambient temperature ratings.

## H.I.D. H SERIES CERTIFICATION GUIDE (40°C AMBIENT) R-TANK BALLAST HOUSING 7 3/4" THREAD

| LAMP TYPE            | WATTS | AMBIENT TEMP (Deg. C) | CLASS I, DIV. 2 GROUP A, B, C, D TEMPERATURE CODE |                               | CLASS II DIV. 1 & 2 GROUPS               |                               | UL 595 MARINE* | NEMA 4X* | SUPPLY WIRE TEMP. RATING (Deg. C) |
|----------------------|-------|-----------------------|---|-------------------------------|--|-------------------------------|----------------|----------|-----------------------------------|
|                      |       |                       | VGT31S 7-3/4" Globe, Guard & Reflector            | VGL31R5 7-3/4" Dia. Refractor | VGT31S 7-3/4" Globe, Guard and Reflector | VGL31R5 7-3/4" Dia. Refractor |                |          |                                   |
| HIGH PRESSURE SODIUM | 50    | 40                    | T3C   | T3C                           | EFG                                      | EFG                           | YES            | YES      | 60                                |
|                      | 70    | 40                    | T3A   | T3A                           | EFG                                      | EFG                           | YES            | YES      | 85                                |
|                      | 100   | 40                    | T2D   | T3                            | EFG                                      | EFG                           | YES            | YES      | 85                                |
|                      | 150   | 40                    | T2B   | T2B                           | EFG                                      | EFG                           | YES            | YES      | 85                                |
| MERCURY VAPOR        | 100   | 40                    | T2B   | T2B                           | EFG                                      | EFG                           | YES            | YES      | 85                                |
|                      | 175   | 40                    | T2  | T2A                           | EFG                                      | EFG                           | YES            | YES      | 90                                |
|                      | 250   | 40                    | 350° C  | 350° C                        | EF                                       | EF                            | -              | YES      | 110                               |
| METAL HALIDE         | 70    | 40                    | T3C   | T3C                           | EFG                                      | EFG                           | YES            | YES      | 75                                |
|                      | 100   | 40                    | T3A   | T3A                           | EFG                                      | EFG                           | YES            | YES      | 75                                |
|                      | 175   | 40                    | T2B   | T2B                           | EFG                                      | EFG                           | YES            | YES      | 90                                |
|                      | 250   | 40                    | T2  | T2                            | EF                                       | EF                            | -              | YES      | 125                               |

NOTES: 1.) Simultaneous Presence Applications: Some H.I.D. H Series fixtures are UL Listed for simultaneous presence of gas and dust. Contact LDPI for specific information.  
 2.) Tuffskin® Coated Optics: Many H.I.D. Series H fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact LDPI for specific information.  
 3.) For UL and CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory.

NOTE REGARDING GLASS GLOBES AND REFRACTORS — All LDPI fixture assemblies shown in the catalog as UL Listed and CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.



# H.I.D. H SERIES

50 - 400 WATTS HAZARDOUS LOCATIONS

## H.I.D. H SERIES CERTIFICATION GUIDE (40°C AMBIENT) LARGE BALLAST HOUSING 7 3/4" THREAD

- ① TASK
- ② PAINTBOOTH
- ③ VAPOR DUST
- ④ VAPOR
- ⑤ WET DAMP
- ⑥ MARINE
- ⑦ EXPLOSION PROOF
- ⑧ HID

| LAMP TYPE            | WATTS | AMBIENT TEMP (Deg. C) | CLASS I, DIV. 2 GROUP A, B, C, D TEMPERATURE CODE |                            |                         | CLASS II DIV. 1 & 2 GROUPS     |                            |                         | UL 595 MARINE | NEMA 4X | SUPPLY WIRE TEMP. RATING (Deg. C) |
|----------------------|-------|-----------------------|---|----------------------------|-------------------------|--------------------------------|----------------------------|-------------------------|---------------|---------|-----------------------------------|
|                      |       |                       | VGT31 Globe, Guard & Reflector                    | VRF31C5 12" Dia. Refractor | VR31CB Reflector w/lens | VGT31 Globe, Guard & Reflector | VRF31C5 12" Dia. Refractor | VR31CB Reflector w/lens |               |         |                                   |
| HIGH PRESSURE SODIUM | 200   | 40                    | T2  | T2A                        | T2A                     | T2                             | T2A                        | T2A                     | YES           | YES     | 90                                |
|                      | 250   | 40                    | 350° C  | 350° C                     | 350° C                  | 350° C                         | 350° C                     | 350° C                  | YES           | YES     | 90                                |
|                      | 400   | 40                    | T2A   | T2B                        | T2B                     | T2A                            | T2B                        | T2B                     | -             | YES     | 110                               |
| MERCURY VAPOR        | 250   | 40                    | 350° C  | 325° C                     | 325° C                  | 350° C                         | 325° C                     | 325° C                  | -             | YES     | 110                               |
|                      | 400   | 40                    | 350° C  | 325° C                     | 325° C                  | 350° C                         | 325° C                     | 325° C                  | -             | YES     | 110                               |
| METAL HALIDE         | 250   | 40                    | T2  | T2A                        | T2A                     | T2                             | T2A                        | T2A                     | -             | YES     | 110                               |
|                      | 400   | 40                    | 350° C  | 325° C                     | 325° C                  | 350° C                         | 325° C                     | 325° C                  | -             | YES     | 110                               |

NOTES: 1.) Simultaneous Presence Applications: Some H.I.D. H Series fixtures are UL Listed for simultaneous presence of gas and dust. Contact LDPI for specific information.  
 2.) Tuffskin® Coated Optics: Many H.I.D. Series H fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact LDPI for specific information.  
 3.) For UL and CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory.  
 4.) Consult factory for fixtures with higher ambient temperature ratings.

- ⑨ INSPECTION
- ⑩ PORTABLE LIGHTING
- ⑪ MOUNTING
- ⑫ PHOTOMETRY
- ⑬ LAMPS BALLASTS
- ⑭ INFO
- ⑮ CUSTOM
- ⑯ ASK THE EXPERT

## H.I.D. H2 SERIES CERTIFICATION GUIDE (40°C AMBIENT) For UL844/595 listing at 40°C AMBIENT

| FIXTURE TYPE         | WATTS | SERIES | CLASS I, DIV. 2 GROUP A, B, C, D TEMPERATURE CODE |              | CLASS II DIV. 1 & 2 GROUPS           |              | CLASS III DIV. 1 & 2                 |              | NEMA 4X | UL 595 MARINE |
|----------------------|-------|--------|---|--------------|--------------------------------------|--------------|--------------------------------------|--------------|---------|---------------|
|                      |       |        | Globe, & Guard With or W/O Reflector              | 8" Refractor | Globe, & Guard With or W/O Reflector | 8" Refractor | Globe, & Guard With or W/O Reflector | 8" Refractor |         |               |
| HIGH PRESSURE SODIUM | 35    | DSM    | T3A   | T3A          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 50    | DSM    | T3  | T3           | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 70    | DSM    | T2B   | T2B          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 100   | DSM    | T2A   | T2A          | EF                                   | EFG          | -                                    | YES          | YES     | YES           |
|                      | 150   | DSM    | 325° C  | 325° C       | EF                                   | EFG          | -                                    | YES          | YES     | -             |
| MERCURY VAPOR        | 50    | DMM    | T2B   | T2B          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 75    | DMM    | T2  | T2           | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 100   | DMM    | 325° C  | 325° C       | EF                                   | EFG          | -                                    | YES          | YES     | -             |
| FLUORESCENT          | 9     | DFB    | T3C   | T3C          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 13    | DFB    | T3C   | T3C          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 18    | DFB    | T3C   | T3C          | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
|                      | 26    | DFB    | T3  | T3           | EFG                                  | EFG          | YES                                  | YES          | YES     | YES           |
| INCANDESCENT         | 60    | DIM    | T3  | T3           | EF                                   | EFG          | -                                    | YES          | YES     | YES           |
|                      | 100   | DIM    | T3  | T3           | EF                                   | EFG          | -                                    | YES          | YES     | YES           |
|                      | 150   | DIM    | T2B   | T2B          | -                                    | EFG          | -                                    | YES          | YES     | YES           |

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