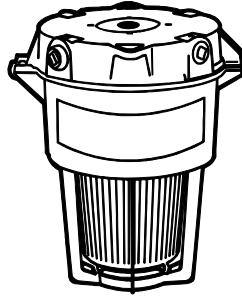




H.I.D. H2 SERIES

9 - 150W HAZARDOUS LOCATIONS

DATE: _____	PROJECT MGR: _____
JOB: _____	
CAT#: _____	
TYPE: _____	



H.I.D. H2 SERIES: 9 - 150 WATTS
INCANDESCENT AND FLUORESCENT

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

DESCRIPTION

The H.I.D. H2 Series has a powder coat finish over a cast copper-free aluminum housing designed for Hazardous Environments. The product is available in wattages of 9 – 150w and H.I.D. lamp choices of Metal Halide, High Pressure Sodium and Compact Fluorescent or Incandescent. Perfect for a multitude of applications such as Waste Treatment Facilities, Steel Mills or Offshore Platforms this fixture carries many CSA and UL listings. The H.I.D. H2 Series also has an assortment of options from Reflector choices to Globes & Guards. Don't forget the UNIPACK option that provides a fully assembled product for ease of installation!

SPECIFICATIONS

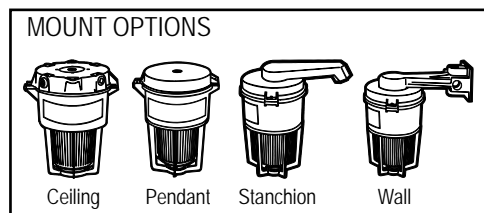
- INSPECTION ⑨
- PORTABLE LIGHTING ⑩
- MOUNTING ⑪
- PHOTOMETRY ⑫
- LAMPS BALLASTS ⑬
- INFO ⑭
- CUSTOM ⑮
- ASK THE EXPERT ⑯

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, IP 66
ELECTRICAL:	9 - 150 Watts High Pressure Sodium, Metal Halide, Globe and Fluorescent or Incandescent
HOUSING:	Cast copper-free aluminum with powder coated finish
GUARD:	Cast Aluminum, Polymeric
GLOBE/ REFRACTOR:	Prismatic Glass, High Resistant Prismatic Glass, Type I, III or V IES Refractor, Green Prismatic Glass
REFLECTOR:	Standard Dome, 30° Angle Reflector, Exit Sign
MOUNTING:	Rigid Pendant, Ceiling Mount, 4" Outlet Mount, Wall Mount, 25° or 90° Stanchion Mount



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 |
| 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 | |



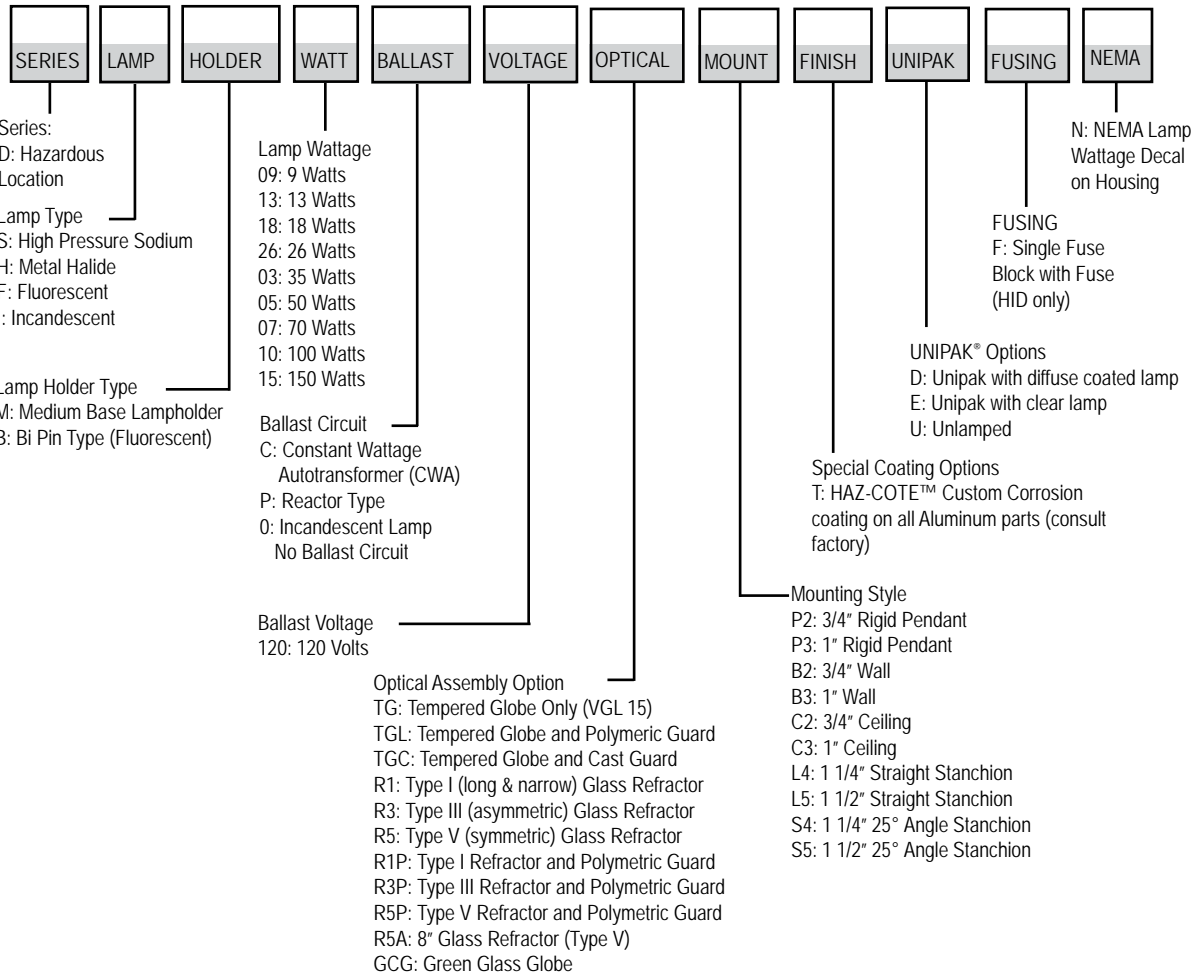


H.I.D. H2 SERIES

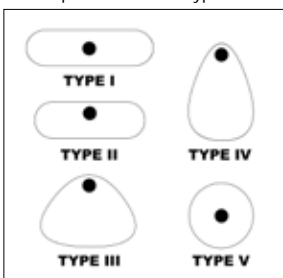
9 - 150W HAZARDOUS LOCATIONS

PART NUMBERS

- 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



Optical Refractor Types



For representational purposes only

FOR UNIPAK® SEE PAGE 8.11
 FOR OPTIONS AND COMPONENTS SEE PAGE 8.14
 FOR DIMENSIONS SEE PAGE 8.22
 FOR T-RATINGS SEE PAGE 8.26



H.I.D. M & 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

HazVertor™ Adaptor Ring

The HazVertor™ 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.

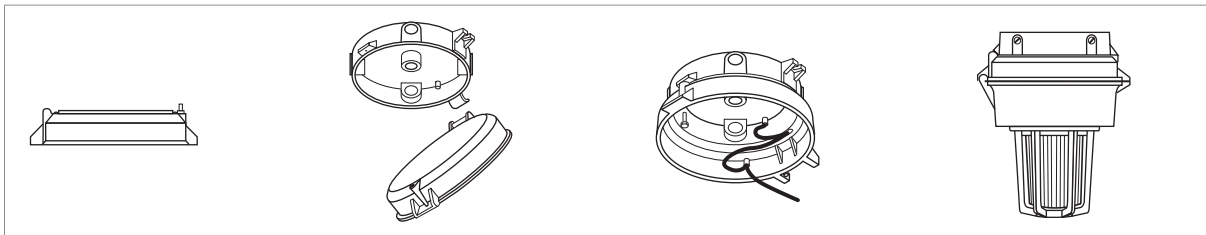
Just look at the advantages:

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
HID	⑧
INSPECTION	⑨
PORTABLE LIGHTING	⑩
MOUNTING	⑪
PHOTOMETRY	⑫
LAMPS BALLASTS	⑬
INFO	⑭
CUSTOM	⑮
ASK THE EXPERT	⑯







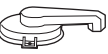
H.I.D. M2 & H2 SERIES: OPTIONS

MARINE AND HAZARDOUS LOCATIONS

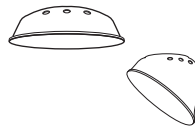
- ① TASK
- ② PAINTBOOTH
- ③ VAPOR DUST
- ④ VAPOR
- ⑤ WET DAMP
- ⑥ MARINE
- ⑦ EXPLOSION PROOF
- ⑧ HID
- ⑨ INSPECTION
- ⑩ PORTABLE LIGHTING
- ⑪ MOUNTING
- ⑫ PHOTOMETRY
- ⑬ LAMPS BALLASTS
- ⑭ INFO
- ⑮ CUSTOM
- ⑯ ASK THE EXPERT

OUTLET BOXES

Designed for Compact Ballast Housings

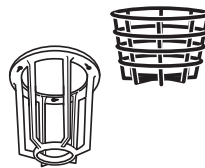
Mounting Style	Hub Size	Cat. No.
Rigid Pendant 	3/4" 1"	VMP2 VMP3
Ceiling 	3/4" 1"	VMC2 VMC3
Wall 	3/4" 1"	VMB2 VMB3
25° Stanchion 	1 1/4" 1 1/2"	VMS2 VMS3
90° Stanchion 	1 1/4" 1 1/2"	VML4 VML5

REFLECTORS, EXIT SIGN



Cat. No.	Description
VR15P	Standard Dome Fiberglass Reinforced Polyester
VRA15P	30° Angle Reflector Fiberglass Reinforced Polyester
VRE22 VGE22	Three sided Exit Sign For use with Std. housing Red or Green

GUARDS



Cat. No.	Description
VGU15	Cast Aluminum - for use with glass globes or refractors
VGU15P	Polymeric - for use with glass globes or refractors
VGR32	For use with glass closed bottom refractors, (8" dia.)

GLOBES, REFRACTORS



Cat. No.	Description
VL15	Prismatic Glass 150 Watts Max.
VG15	Heat Resistant Prismatic Glass
VGL15R1	IES Type I Refractor
VGL15R3	IES Type III Refractor
VGL15R5	IES Type V Refractor
VRF22C5A	8" IES Type V Reflector
VGT15G	Green Prismatic Glass



H.I.D. M & H SERIES / M2 & H2 SERIES

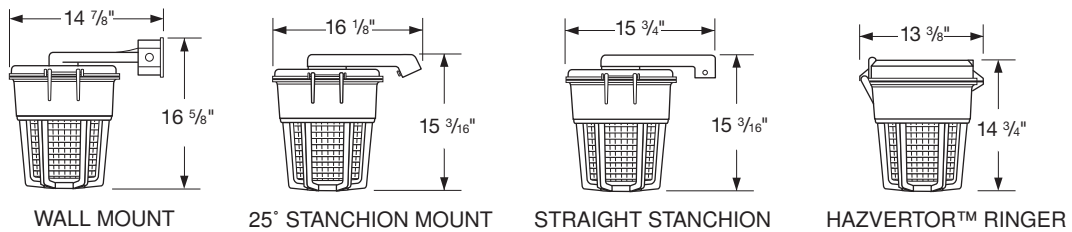
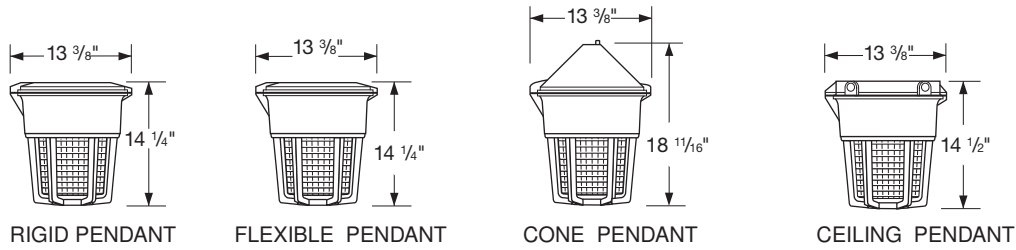
DIMENSIONS

H.I.D. M & H SERIES MARINE AND HAZARDOUS LOCATION FIXTURES

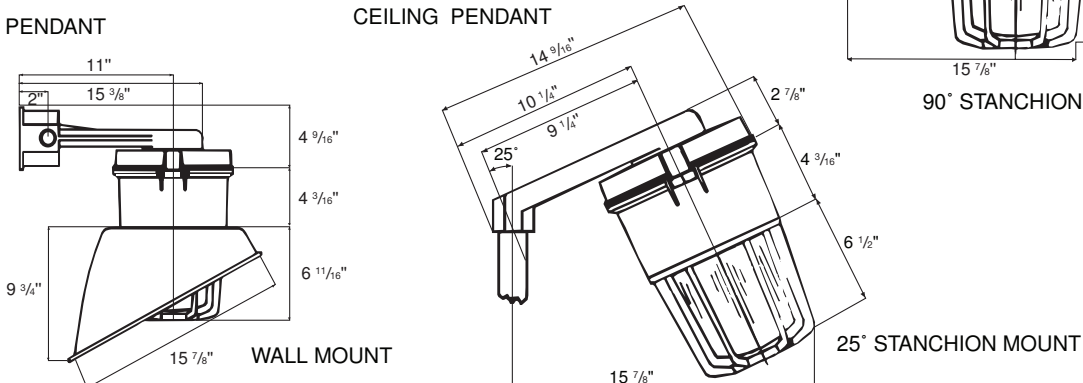
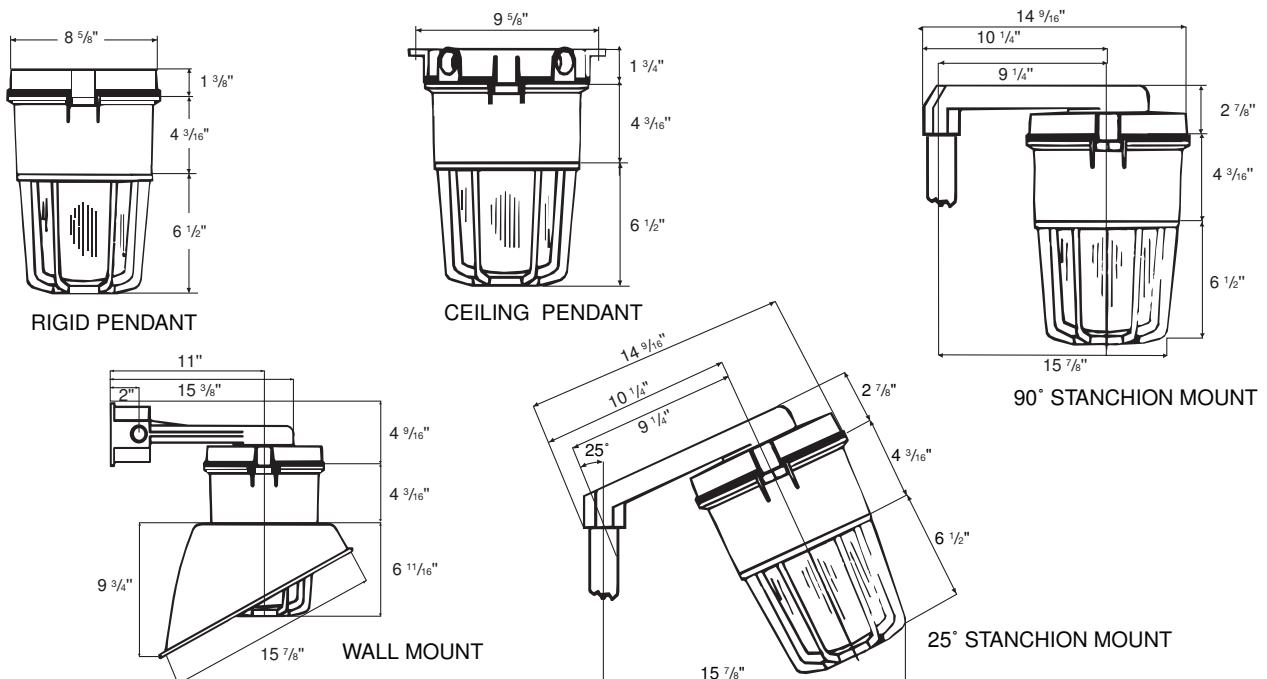
- ① TASK
- ② PAINTBOOTH
- ③ VAPOR DUST
- ④ VAPOR
- ⑤ WET DAMP
- ⑥ MARINE
- ⑦ EXPLOSION PROOF
- ⑧ HID
- ⑨ INSPECTION
- ⑩ PORTABLE LIGHTING
- ⑪ MOUNTING
- ⑫ PHOTOMETRY
- ⑬ LAMPS BALLASTS
- ⑭ INFO
- ⑮ CUSTOM
- ⑯ ASK THE EXPERT

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

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



H.I.D. M2 & H2 SERIES MARINE AND HAZARDOUS LOCATION FIXTURES





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

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.

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

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.