



## INCOPLAS® EM-HAZ

### EMERGENCY BATTERY BACKUP HAZARDOUS LOCATIONS LED

The Incoplas® Em-Haz fixture is a durable multi-purpose and corrosion-resistant LED lighting solution that can be used in heavy industrial applications where hazardous location lighting is required. It uses thermally conductive engineered polymers to extract heat away from the light source and its natural convection allows for maximum thermal performance while minimizing energy costs. The integrated battery backup provides up to 90 minutes of emergency illumination and meets UL 924 certification standards.



Manufactured in America with globally and domestically sourced components



## Ordering Chart Information

Example: 010-HY-40-ST-FR-EM-Y-HZ-00-SC-H0

Wattage	Fixture	CCT		Mount	Optics		Voltage	Face Color		Spec	Lens		Accessories	
010 10W	HY Hybrid	40	4000K	ST Area	FR	Frosted, NEMA 7x7 BA (116°)	EM 120-277V w/ Emergency Battery Backup	Y	Yellow	HZ Hazardous Locations	00	Polycarbonate	SC	Safety Cable
		50	5000K			B		Black	LG		Laminated Glass	SW	Sample Whip	
					CL	Clear, NEMA 7x7 BA (113°)								
Build														
H0	Adjustable Wall Pack													
H4	Adjustable Stanchion													
H5	Trunnion Surface													
H6	Pendant Mount													
H7	Surface Mount Connector Hub													
V2	Adjustable Stanchion													

For accessories not shown or custom plates, please contact customer service at (800) 223-0853.

## Specifications

**Lumens:** 3400 lm/ Battery Back-up 1300 lm

**Watts:** 23.6W / Battery Back-up 10W

**Voltage:** 120-277 VAC

**LED Life:** Projected: 100,000 hours

**Lens:** Frosted Polycarbonate (*Laminated Glass Lens Optional*)

**Efficacy:** 119 lm/W / 103 lm/W Battery Back-up

**Housing:** The fixture housing is constructed from a patented thermally conductive polycarbonate compound. This specialty material allows for excellent heat transfer and thermal management of the LED junction box while also providing superior protection against corrosion commonly found in harsh environments.

**Weight:** 12 lbs

**Color Temperatures:** 4000K & 5000K

**Operating Temperatures:** -22°F to 122°F; -30°C to 50°C

**Features:** 1/2" or 3/4" Stainless Steel NPT Connector Hub

**Applications:** Gas Stations, Grain Elevators, Food Processing, Distilleries, Chemical Plants, Refineries, Pulp and Paper Mills, Power Generation, Wastewater Treatment Plants, Ship Yards, Mines, Petroleum

**Warranty:** 5-year limited warranty. Complete warranty terms located [here](#)

## Hazardous Classifications

### Class 1: Flammable Gases & Liquids

- **Division 2:** The hazardous atmosphere is only available infrequently (i.e. in case of spill).
- **Groups A, B, C, D:** Includes acetylene, hydrogen and similar gases to it, plus common flammable substances such as butane, gasoline, natural gas and propane.

### Class 2: Dust

- **Division 2:** The hazardous atmosphere is only available infrequently (i.e. in case of spill).
- **Groups F, G:** Group F contains dusts consisting of or containing carbon or its compounds (i.e. coal), and Group G dusts are non-conductive dusts (i.e. grain, wood or plastic).

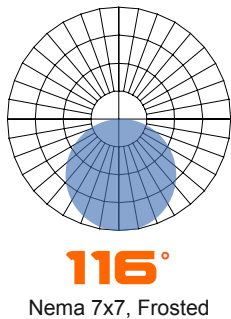
### Class 3: Fibers or Flyings

- Contains easily ignitable fibers or flyings, but the concentration of these fibers or flyings are not suspending in the air in such quantities that would produce ignitable mixtures.

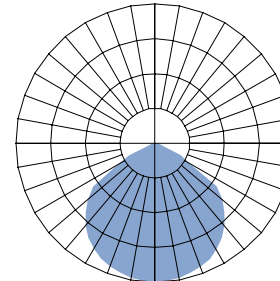
## Mounting Options



## Beam Angles



## Photometric Data

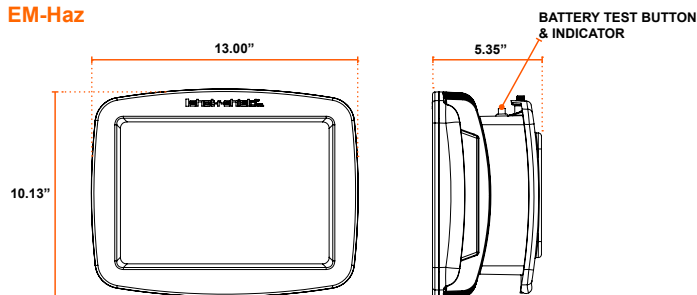


### Indoor Report

- Maximum Candela = 1378.83
- Luminaire Lumens = 3572

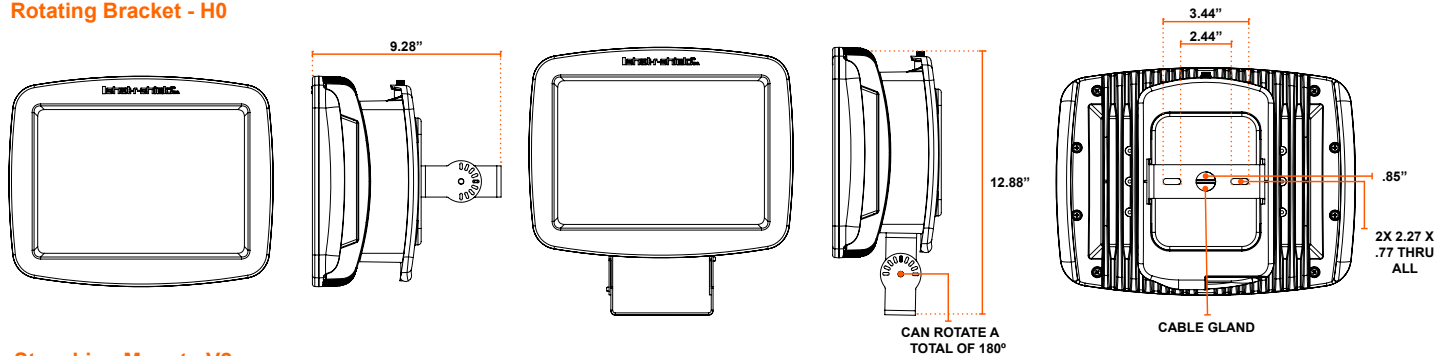
## Dimensions

### EM-Haz

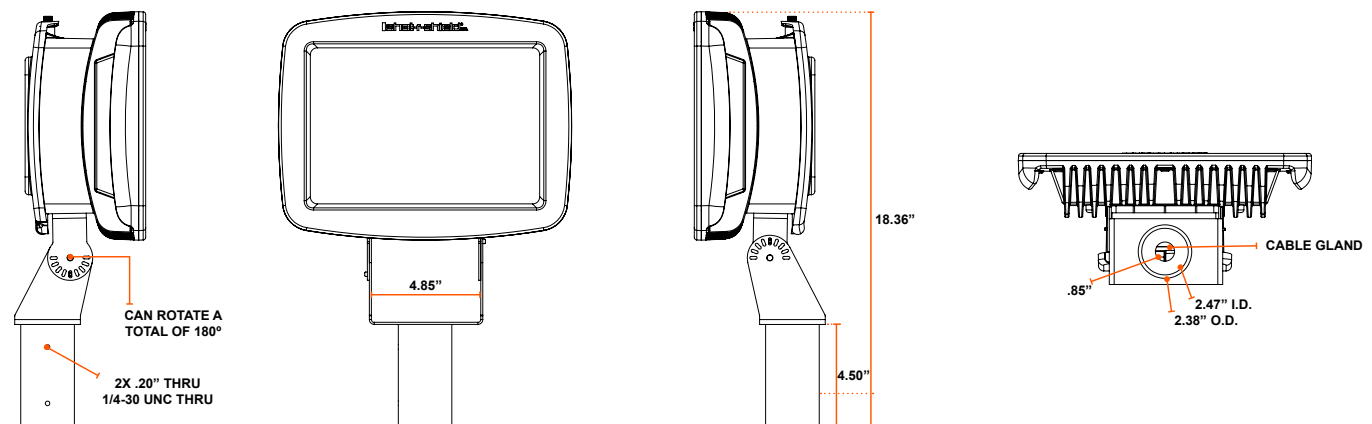


## Dimensions Continued

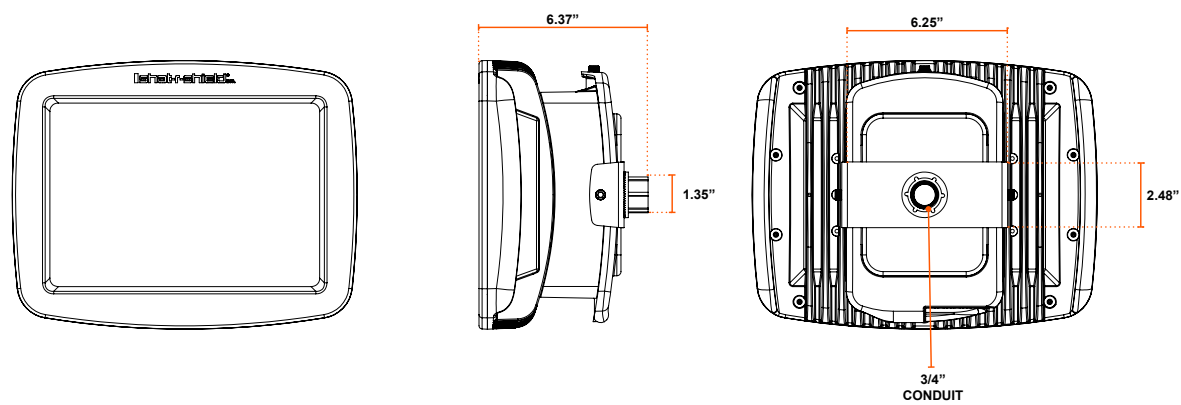
### Rotating Bracket - H0



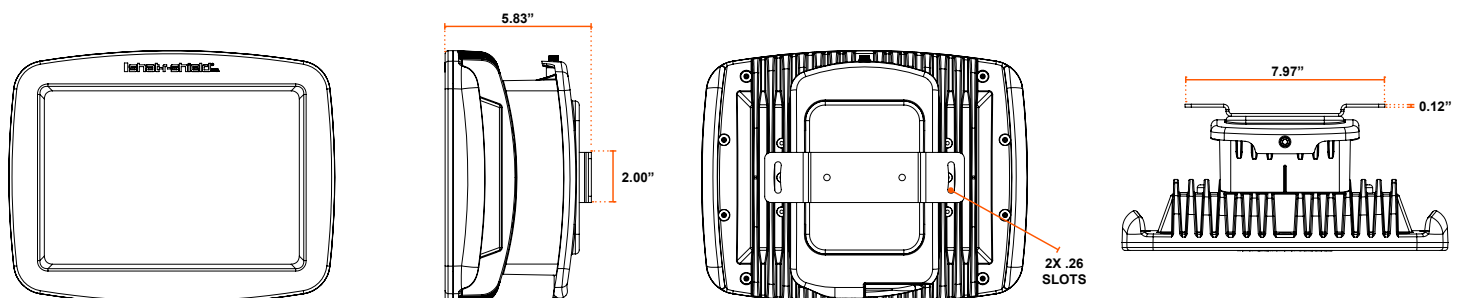
### Stanchion Mount - V2



### Pendant Mount - H7

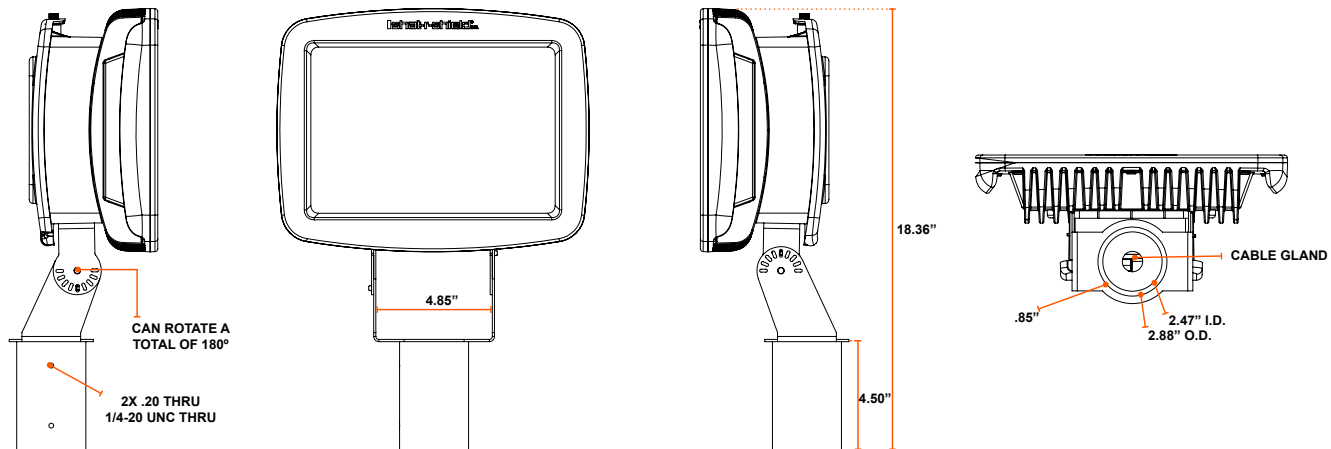


### Surface Mount Connector Hub - H6



## Dimensions Continued

### Stanchion Mount - H4



## Operating Characteristics

### Photometric Data - FR Lens

Watt	Lens Material	CCT	Lumens	Description	IES File
10W	PC	5000K	1000	10W HAZLOC - 5000K CCT - FR LENS	HZ-10W-5000K-FR
10W	PC	4000K	955	10W HAZLOC - 5000K CCT - FR LENS	HZ-10W-4000K-FR
24W	PC	5000K	2634	24W HAZLOC - 5000K CCT - FR LENS	HZ-24W-5000K-FR
24W	PC	4000K	2529	24W HAZLOC - 4000K CCT - FR LENS	HZ-24W-4000K-FR

### Photometric Data - CL Lens

Watt	Lens Material	CCT	Lumens	Description	IES File
10W	CL	5000K	1293	10W HAZLOC - 5000K CCT - CL LENS	HZ-10W-5000K-CL
10W	CL	4000K	1239	10W HAZLOC - 4000K CCT - CL LENS	HZ-10W-4000K-CL
24W	CL	5000K	3435	24W HAZLOC - 5000K CCT - CL LENS	HZ-24W-5000K-CL
24W	CL	4000K	3302	24W HAZLOC - 4000K CCT - CL LENS	HZ-24W-4000K-CL

### Photometric Data - LG Lens

Watt	Lens Material	CCT	Lumens	Description	IES File
10W	LG	5000K	1340	10W HAZLOC - 5000K CCT - LG LENS	HZ-10W-5000K-LG
10W	LG	4000K	1284	10W HAZLOC - 4000K CCT - LG LENS	HZ-10W-4000K-LG
24W	LG	5000K	3572	24W HAZLOC - 5000K CCT - LG LENS	HZ-24W-5000K-LG
24W	LG	4000K	3431	24W HAZLOC - 4000K CCT - LG LENS	HZ-24W-4000K-LG

### Shipping Dimensions

Product	Length	Width	Height	Weight
EM-Haz	16"	16"	10"	12 lbs
EM-Haz W/ H6 Pendant Mount	16"	16"	10"	13 lbs
EM-Haz W/ H0 Rotating Bracket	16"	16"	10"	14 lbs
EM-Haz W/ H7 Surface Mount Connector Hub	16"	16"	10"	13 lbs
EM-Haz W/ H4 Stanchion Mount	16"	16"	10"	16 lbs
EM-Haz W/ V2 Stanchion Mount	16"	16"	10"	16 lbs