

# CASTEX 100



## HAZARDOUS JELLY JAR

- The **CASTEX 100** is a hazardous location LED lighting fixture rated for use in:
  - Class I, Division 2, Groups A, B, C, D
  - Class II, Division 1, Groups E, F, G
  - Class II, Division 2, Group F, G
  - Class III
  - UL1598 (Wet Location), UL1598A (Marine)
  - Temperature Classification: T6, T5, T4
- **MOUNTING:** Surface ceiling or wall mount standard
- **HOUSING:** Die-cast, copper-free, 6 mm thick, ADC12 aluminum alloy with marine grade RAL9006 gray powder coat finish
- **DIFFUSER:** 6 mm clear tempered glass, wide 120° distribution
- **DIMMING:** 0-10VDC dimming standard
- **LED LUMEN MAINTENANCE:** L70: >150,000 hours @ 55°C
- **COLOR TEMPERATURE:** 5000K standard
- **INPUT/ OUTPUT:** 120-277VAC standard
  - MO: 20W @ 2000 lm
  - HO: 30W @ 3000 lm
- **OPERATING TEMP:**
  - HT (AC Only) -40°F to 104°F (-40°C to 40°C)
- **WEIGHT:** 6.0 lbs (ceiling mount), 8.2 lbs (wall mount)



- **APPLICATION:** The **CASTEX 100** is ideal for oil, gas, chemical, marine, aerospace, metal treatment, food and alcohol industries. The luminaire is ideally suited for high humidity, high vapor, high dust and high temperature locations.

## ORDERING INFORMATION

| MODEL <sup>1</sup>    | DESCRIPTION   |
|-----------------------|---|
| HZCAS100 HT MO 5K C   | 20W, 2000 lm, 5000K CCT, 0-10V Dimming, 120° Distribution, Ceiling mount, Gray  |
| HZCAS100 HT MO 5K W90 | 20W, 2000 lm, 5000K CCT, 0-10V Dimming, 120° Distribution, 90° Wall mount, Gray |
| HZCAS100 HT HO 5K C   | 30W, 3000 lm, 5000K CCT, 0-10V Dimming, 120° Distribution, Ceiling mount, Gray  |
| HZCAS100 HT HO 5K W90 | 30W, 3000 lm, 5000K CCT, 0-10V Dimming, 120° Distribution, 90° Wall mount, Gray |

### MOUNTING ACCESSORIES<sup>2</sup>

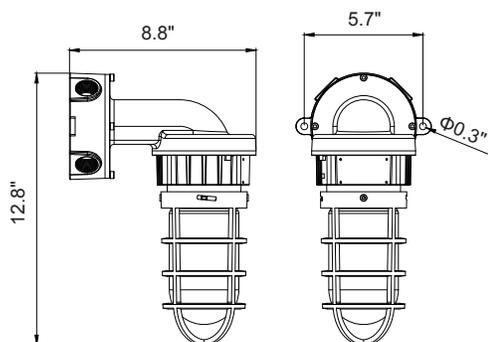
- HZJBOX (J-box, hazardous location)
- HZPK12 (12" pendant stem)

NOTE 1: Other CCTs, wattage and 220-480V options available, contact factory for details

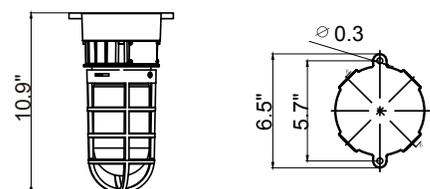
NOTE 2: For use with pendant mount housing, consult factory for availability

## DIMENSIONS

90 Degree  
Wall Mount



Ceiling Mount



## MOUNTING OPTIONS

### Ceiling Mount

M5\*15mm socket head screw

6.5" 5.7" 10.9"

### Wall Mount

Wall

8.8" 12.8" 6.5" 5.7"

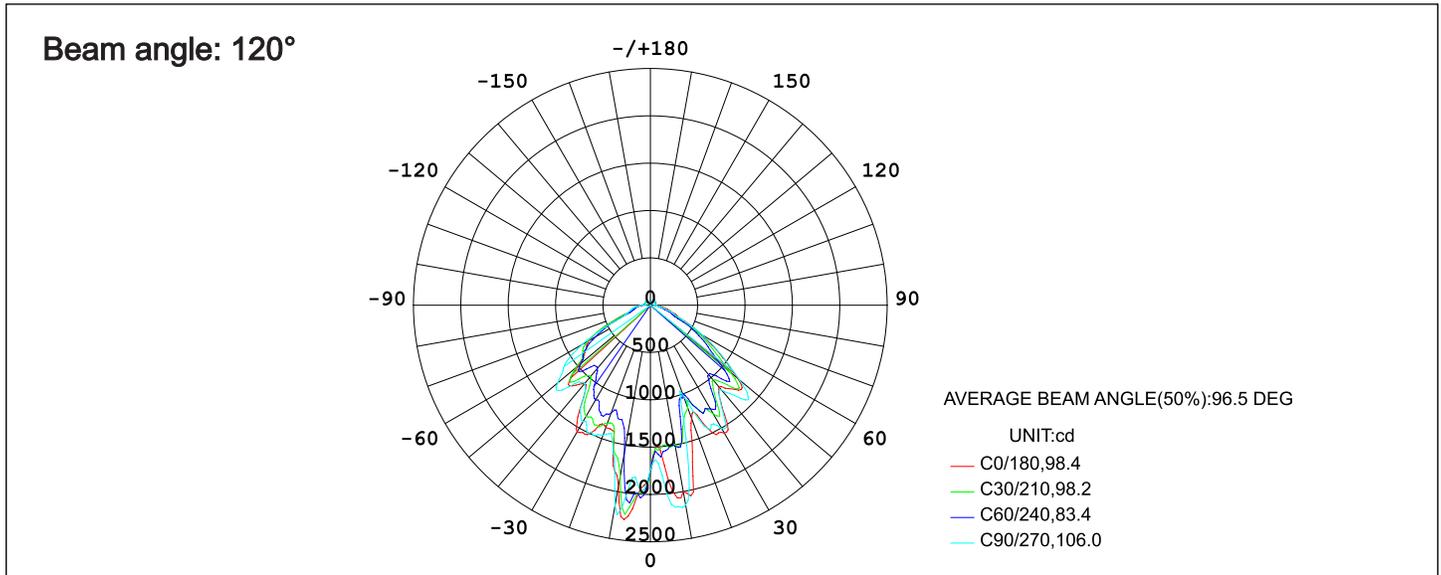
### Optional Stem Mount (consult factory for availability)

5.2" 3/4"NPT 0.6" 10.9"

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Note: Pendant HZPK12 stem does not include hazardous J-box, HZJBOX sold separately

## PHOTOMETRICS



■ **WARRANTY:** 5 years, see website for full warranty details

# CASTEX 100

## TECHNICAL INFORMATION

### Electrical

| Specification   | HZCASMO    | HZCASHO |
|-----------------|------------|---------|
| Rated Power     | 20W        | 30W     |
| Input Voltage   | 100-277VAC |         |
| Input Frequency | 50/60Hz    |         |
| Power Factor    | > 0.95     |         |

### Optical

| Specification   | HZCASMO                                | HZCASHO |
|-----------------|--|---------|
| Lumen Output    | 2000lm                                 | 3000lm  |
| Lumens Per Watt | 100 LPW                                |         |
| CCT             | 5000K standard (3000K-6500K available) |         |
| CRI             | > 70                                   |         |
| Dimming         | 0-10V Dimming standard                 |         |

### Environmental

| Specification                | HZCASMO  | HZCASHO |
|------------------------------|--|---------|
| Ambient Temperature - Normal | T6/T80°C: -40°C to +25°C (-40°F to +77°F)<br>T5/T95°C: -40°C to +40°C (-40°F to +104°F)<br>T4/T130°C: -40°C to +60°C (-40°F to +140°F) |         |

### Mechanical

| Specification    | HZCASMO  | HZCASHO |
|------------------|--|---------|
| Housing Material | Copper-free aluminum   |         |
| Diffuser         | Tempered clear glass standard (frosted available)  |         |
| Protection       | IP66/ IP67/ IK08   |         |
| Mounting         | Ceiling & Wall standard (stem available)   |         |
| Outlet           | Regular 1 meter  |         |
| Cable Entries    | 4 cable entries at side wall of luminaire housing, compatible with M25, M20, NPT 1/2" or NPT 3/4" certified cable glands or stopping plugs with suitable IP code |         |

■ **L70 LUMEN MAINTENANCE:** > 150,000 hrs @ 55°C

■ **WARRANTY:** 5 years, see website for full warranty details