

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
- The **CASTEX 100** is available in surface ceiling, wall or stem mount configurations. Emergency models (-SA operation) available. Wide 120° beam distribution standard, other distributions available, contact factory for details.
- **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
- **DIMMING:** 0-10VDC dimming standard
- **LED LUMEN MAINTENANCE:** L70: >150,000 hours @ 55°C
- **COLOR TEMPERATURE:** 5000K standard, other CCTs available (3000K to 6500K), contact factory for details
- **INPUT/ OUTPUT:** 120-277VAC standard
 - MO: 20W @ 2000 lm
 - HO: 30W @ 3000 lm
 - Additional 10W (1000 lm) output and 220-480V input available, consult factory for details
- **OPERATING TEMP:**
 - HT (AC Only) -40°F to 140°F (-40°C to 60°C)



- **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.
- **WEIGHT:** 10.3 lbs

CONFIGURATIONS

MODEL ¹	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 W90	30W, 3000 lm, 5000K CCT, 0-10V Dimming, 120° Distribution, 90° Wall mount, Gray

MOUNTING ACCESSORIES²

HZJBOX (j-box, hazardous location)

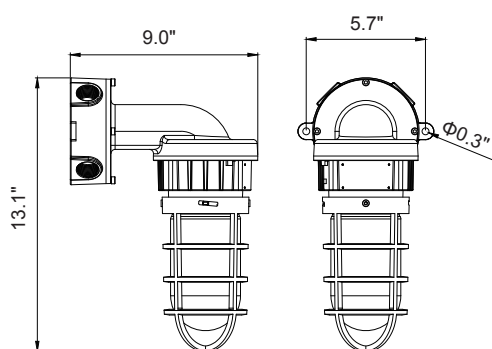
HZPK12 (12" pendant stem)

NOTE 1: Other CCTs, distributions, wattages, 220-480V and -SA emergency options available, contact factory for details

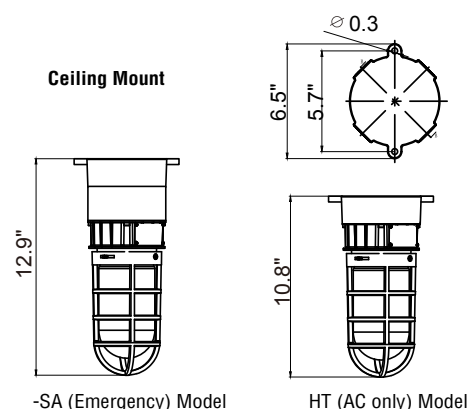
NOTE 2: For use with pendant mount housing, consult factory for details

DIMENSIONS

90 Degree
Wall Mount



Ceiling Mount



-SA (Emergency) Model

HT (AC only) Model

MOUNTING OPTIONS

Ceiling Mount

M5*15mm socket head screw

6.5" 5.7" 10.8"

Wall Mount

Wall

8.8" 12.8" 6.5" 5.7"

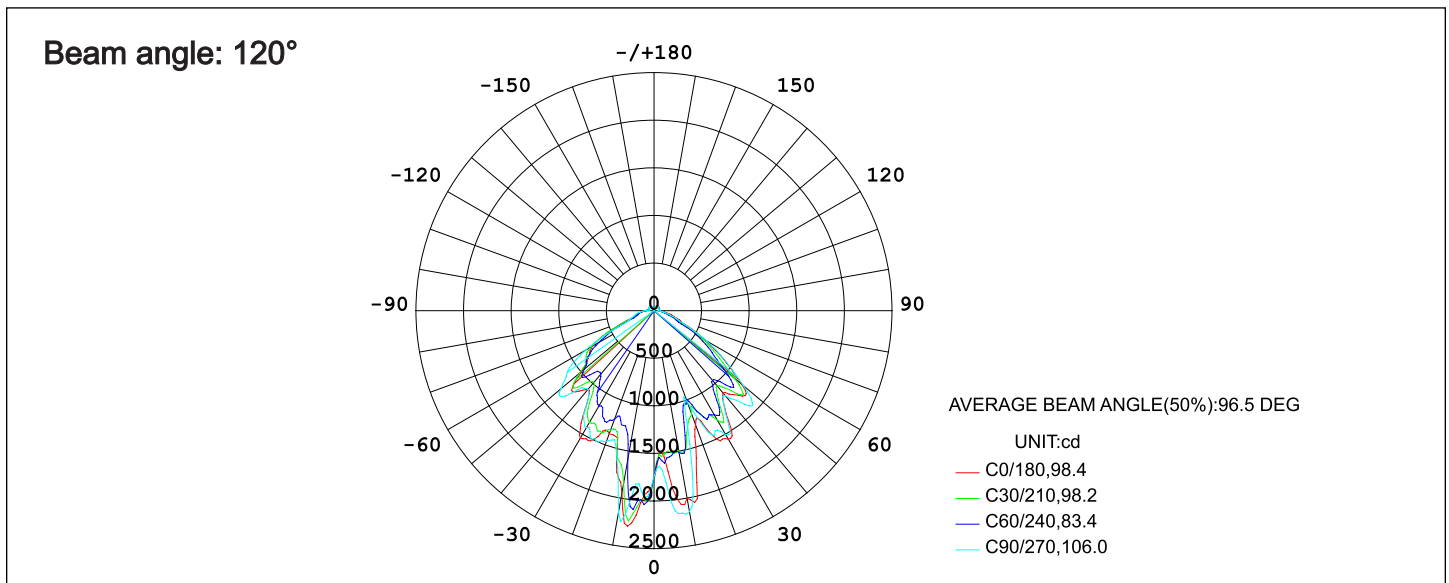
Optional Stem Mount (consult factory for availability)

5.2" 3/4"NPT 0.6" 0.3" 10.9"

<ND?%&

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		3000lm
Lumens Per Watt	100lm/W	
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) T5/T95°C: -40°C to +40°C (-40°F to +104°F) T4/T130°C: -40°C to +60°C (-40°F to +140°F)	
Ambient Temperature - Emergency	T4/T130°C: -10°C to +40°C (14°F to +104°F)	

Mechanical

Specification	HZCASMO	HZCASHO
Housing Material	Copper-free aluminum	
Diffuser	Tempered clear glass standard (frosted available)	
Protection	IP66/IK08	
Mounting	Ceiling, Stem, Wall	
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	

Emergency Operation

-SA Models	Integral 8W Li-ion battery (11.1V/ 2000mAh) provides 90 mins emergency illumination 1200 lm
------------	--