# CASTEX 300

## HAZARDOUS - LOW TO HIGH BAY

■ The **CASTEX 300** is a hazardous location luminaire 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, Groups F, G
- Class III
- Class I, Zone 2, Group IIC
- Class II, Zone 21, Group IIIC
- UL1598 (Wet Location) & UL1598A (Marine)
- Temperature Code: T3

■ **MOUNTING:** Adjustable surface ceiling/ wall mount bracket standard

■ **HOUSING:** Die-cast, 6mm thick ADC12 aluminum alloy body with marine grade RAL7040 powder coat finish

■ **COLOR TEMPERATURE:** 5000K standard

■ **DIFFUSER:** 4mm tempered glass in wide 120° distribution

■ **DIMMING:** 0-10VDC dimming standard

■ **LUMENS:**
- XLO: 60W @ 8400 lm (EM: 15W @ 2100 lm)
- VLO: 80W @ 11200 lm (EM: 15W @ 2100 lm)
- LO: 100W @ 14000 lm (EM: 15W @ 2100 lm)
- MO: 150W @ 21000 lm (EM: 15W @ 2100 lm)
- HO: 200W @ 28000 lm (EM: 15W @ 2100 lm)
- VHO: 250W @ 35000 lm
- WHO: 300W @ 42000 lm
- XHO: 400W @ 56000 lm

■ **OPERATING TEMP:**
- HT (AC Only) -40°F to 122°F (-40°C to 50°C) @ 60W, 80W
- HT (AC Only) -40°F to 104°F (-40°C to 40°C) @ 100-200W, 350W, 400W
- HT (AC Only) -40°F to 131°F (-40°C to 55°C) @ 250W, 300W
- SA (AC & EM) 32°F to 104°F (0°C to 40°C)

■ **APPLICATION:** The **CASTEX 300** is ideal for use in heavy industrial areas such as mining, refineries, paper mills, waste water treatment, food processing, chemical, fuel and marine locations.
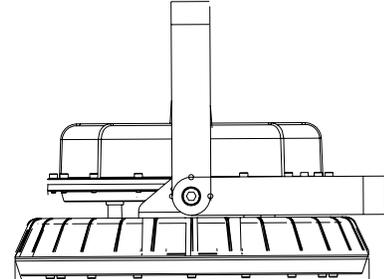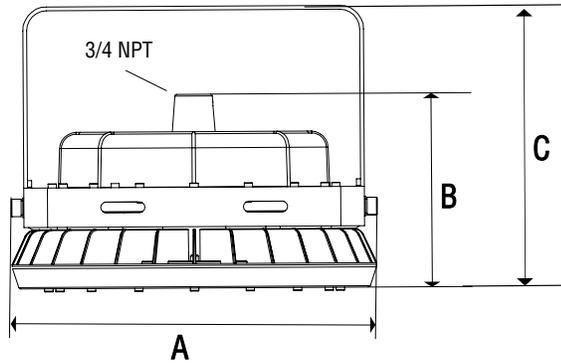
■ **WEIGHT:** 7.7 lbs to 37.5 lbs

## ORDERING INFORMATION

Example: HZCAS300HTHODIMWT50120-277V

| MODEL | OPERATION | OUTPUT | DIMMING | COLOR TEMP | INPUT | OPTIONS |
|---|---|---|---|---|---|---|
| HZCAS300 | HT (AC only) | XLO | DIM (0-10V dimming) | WT40[2] (4000K) | 120-277V | BAA (Buy American Act) |
| | SA[1] (AC & EM) | VLO[2] | | WT50 (5000K) | HV[3] | |
| | | LO | | | | |
| | | MO[2] | | | | |
| | | HO[2] | | | | |
| | | WHO | | | | |
| | | VHO | | | | |
| | | XHO | | | | |

| ACCESSORIES | |
|---|---|
| HZCH39 (39" chain) | HZSTN25 (25° stanchion) |
| HZHOOK (hook mount) | HZSTN90 (90° stanchion) |
| HZJBOX (J-box) | HZWM25 (25° wall mount) |
| HZPK12 (12" pendant stem) | HZWM90 (90° wall mount) |

NOTE 1: Available in XLO, VLO, LO, MO, HO, contact factory for lead time
NOTE 2: 4000K available in VLO, MO and HO (Other CCTs available, 3000K to 6500K, contact factory for details)
NOTE 3: High voltage option available (200 to 480V), contact factory for lead time
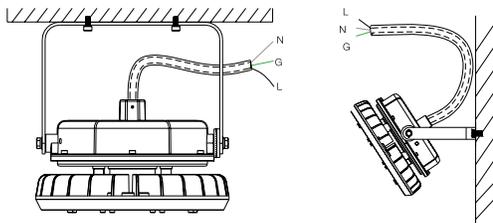NOTE: Surface ceiling/ wall mount is standard

## DIMENSIONS

3/4 NPT

A

B

C

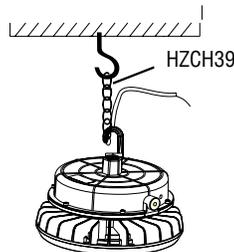| MODEL | (A) | (B) | (C) | WEIGHT |
|---|---|---|---|---|
| 60W | 7.1" | 9.1" | 7.1" | 7.7 lb |
| 80W | 10.6" | 10.5" | 6.2" | 9.7 lb |
| 100, 150, 200W | 14.6" | 11.4" | 7.9" | 18.1 lb |
| 250W, 300W, 400W | 18.9" | 15.5" | 9.5" | 37.5 lb |

## MOUNTING OPTIONS

**Standard**
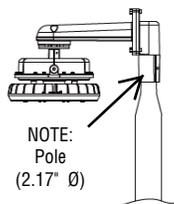(surface ceiling/ wall mount bracket)

N
G
L

L
N
G

Note: Power cord cannot be exposed. Hazardous conduit or hazardous J-box mounting required.
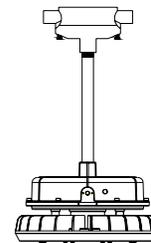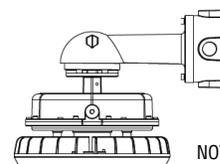
**Hook Mount**
(HZHOOK)

HZCH39

**Pendant Mount**
(HZPK12)

Note: HZPK12 does not include hazardous rated J-box. HZJBOX must be ordered separately.
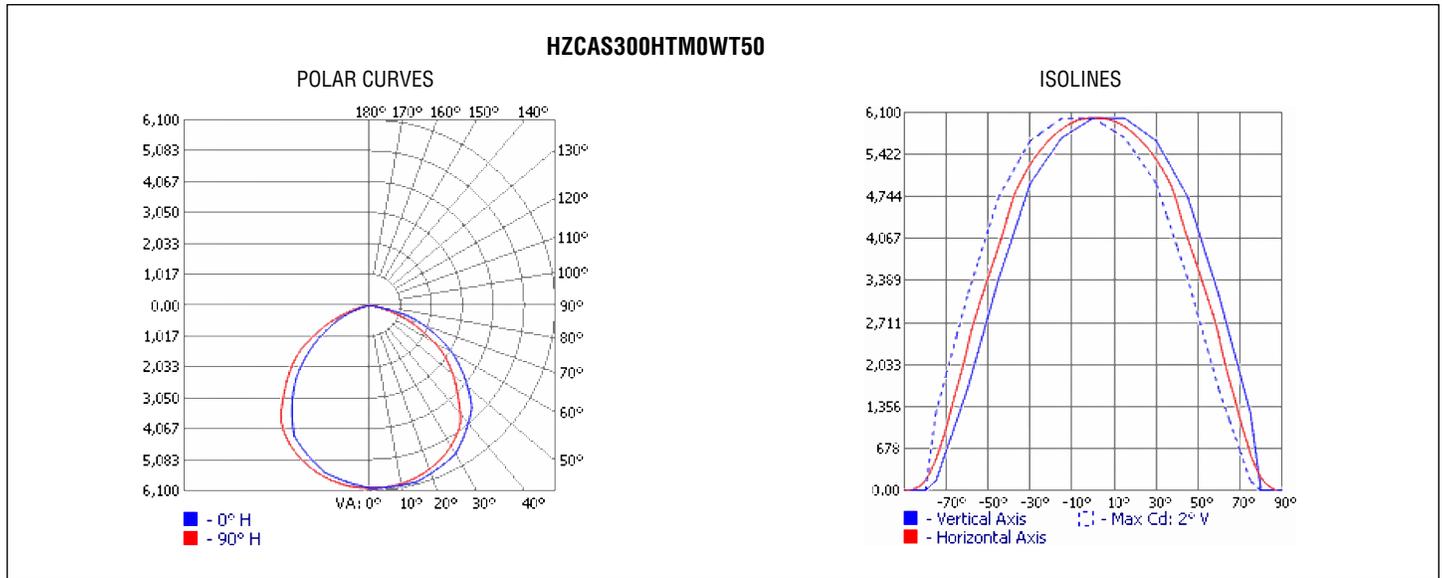
**Stanchion Mount**
(HZSTN25, HZSTN90)

NOTE:
Pole
(2.17" Ø)

**Wall Mount**
(HZWM25, HZWM90)

NOTE: Hazardous J-box included with wall mount

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# CASTEX 300

## PHOTOMETRICS

### HZCAS300HTM0WT50

POLAR CURVES

ISOLINES

- ■ - 0° H
- ■ - 90° H

- ■ - Vertical Axis
- ■ - Horizontal Axis
- ⬝ - Max Cd: 2° V

## ENERGY CHART

| MODEL (5000K CCT) | EFFICACY | CONSUMPTION WATTAGE | LUMEN OUTPUT | CRI | L70 (HRS) @ 55°C |
|---|---|---|---|---|---|
| HZCAS300HT XL0 | 140 LPW | 60 | 8400 lm | >70 | >150,000 |
| HZCAS300HT VL0 | 140 LPW | 80 | 11200 lm | >70 | >150,000 |
| HZCAS300HT L0 | 140 LPW | 100 | 14000 lm | >70 | >150,000 |
| HZCAS300HT M0 | 140 LPW | 150 | 21000 lm | >70 | >150,000 |
| HZCAS300HT H0 | 140 LPW | 200 | 28000 lm | >70 | >150,000 |
| HZCAS300HT VH0 | 140 LPW | 250 | 35000 lm | >70 | >150,000 |
| HZCAS300HT WH0 | 140 LPW | 300 | 42000 lm | >70 | >150,000 |
| HZCAS300HT XH0 | 140 LPW | 400 | 56000 lm | >70 | >150,000 |

## ELECTRICAL RATING

| PRODUCT | NOMINAL POWER (W) | AC CURRENT (A) AC VOLTAGE | | FREQUENCY (HZ) | DC VOLTAGE (V) | DC CURRENT (MA) |
|---|---|---|---|---|---|---|
| | | 120 V | 277 V | | | |
| HZCAS300HT XL0 | 60 | 0.50 | 0.22 | 50/60 | 48 | 1250 |
| HZCAS300HT VL0 | 80 | 0.67 | 0.29 | 50/60 | 48 | 1670 |
| HZCAS300HT L0 | 100 | 0.84 | 0.37 | 50/60 | 48 | 2090 |
| HZCAS300HT M0 | 150 | 1.28 | 0.55 | 50/60 | 48 | 3130 |
| HZCAS300HT H0 | 200 | 1.67 | 0.73 | 50/60 | 48 | 4170 |
| HZCAS300HT VH0 | 250 | 2.10 | 0.91 | 50/60 | 48 | 5210 |
| HZCAS300HT XH0 | 400 | 3.35 | 1.45 | 50/60 | 48 | 8350 |

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