

CAS-4

HAZARDOUS FLOODLIGHT

Type: _____

Project: _____

Delivered Lumens:
10,400 – 19,500 lm

Input Wattage:
80W, 100W, 150W

Efficacy:
up to 130 lm/W

Colour Temperatures:
3000K, 4000K, 5000K

Projected Lumen Maintenance:
L₇₀@ >60,000 hrs.

The **CASTEX** comes standard in grey powder coat finish.



Class I, Division 1, Groups C, D
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
Class III

Pendant mounting is standard

The **CASTEX** is ideal for pulp and paper, wastewater treatment plants, shipyards, chemical processing facilities, petrochemical and grain elevators.

UL 1598A Marine (Salt Water)
Tested 1000hrs to standard ASTM-B117-11

Configurations

SERIES	OUTPUT	COLOUR TEMP.	HAZARD	DISTRIBUTION	LENS	INPUT	MOUNTING
CAS-4	LO (80W)	W3 (3000K)	A (C1D1)	N (Narrow 25°)	C (Clear lens)	120-277V	[blank] (Pendant-std.)
	MO (100W)	W4 (4000K)	B (C1D2, C2D2)	M (Medium 60°)		347-480V	
	HO (150W)	W5 (5000K)		W (Wide 120°)			

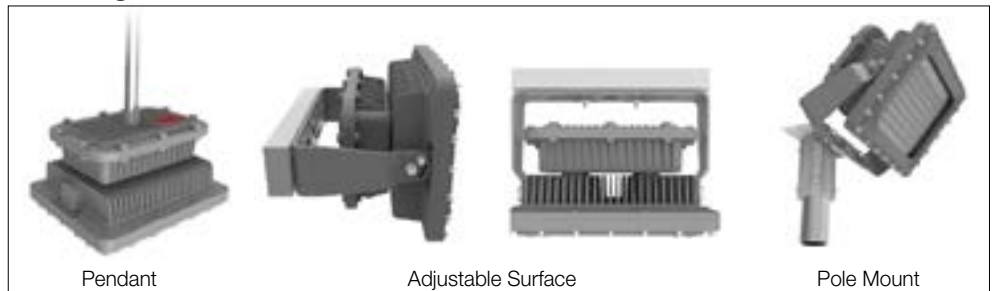
Pre-Built Inventory

ORDERING CODE	SHORT DESCRIPTION	LONG DESCRIPTION
19001254	CAS-4-HO-W4-A-W-C-120-277V	CASTEX HAZARDOUS FLOODLIGHT C1D1 150W 4000K WIDE DISTRIBUTION 120 ° CLEAR LENS 120-277V INPUT PENDANT STANDARD MOUNT
19001242	CAS-4-HO-W5-A-W-C-120-277V	CASTEX HAZARDOUS FLOODLIGHT C1D1 150W 5000K WIDE DISTRIBUTION 120 ° CLEAR LENS 120-277V INPUT PENDANT STANDARD MOUNT
19001241	CAS-4-HO-W5-B-W-C-120-277V	CASTEX HAZARDOUS FLOODLIGHT C1D2 150W 5000K WIDE DISTRIBUTION CLEAR LENS 120-277V INPUT PENDANT STANDARD MOUNT

Castex-4 Accessories

ORDER CODE	DESCRIPTION
50001130	adjustable surface mount bracket
50001131	pole mount
SC	safety cable
50001129	wireguard

Mounting

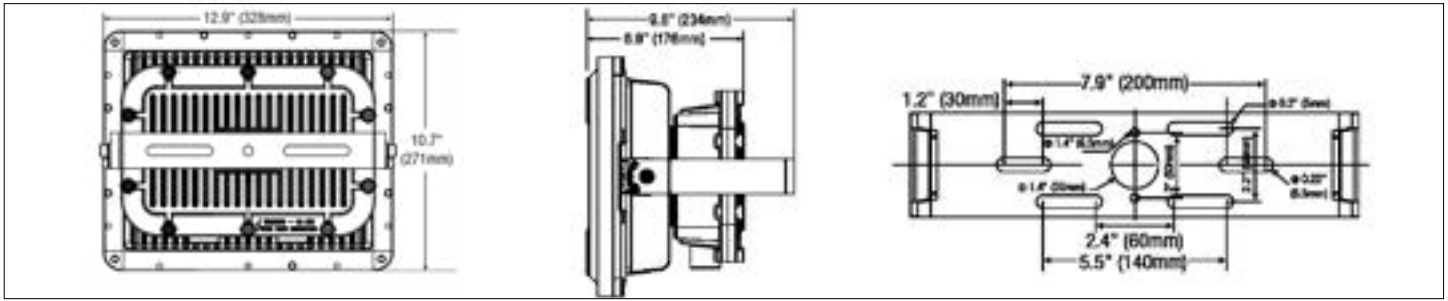


Pendant

Adjustable Surface

Pole Mount

Dimensions



HAZARDOUS:

Class I, Division 1, Groups C, D – T6
 Class I, Division 2, Groups A, B, C, D – T4A
 Class II, Division 2, Groups F, G – T4A
 Class III

TEMPERATURE RATINGS:

Based on the surface temperature of the fixture:
 – Class I, Division 2, Class II, Division 2 are rated T4A (will not exceed 120°C)
 – Class I, Division 1 is rated T6 (will not exceed 85°C)

OPERATING TEMPERATURE:

-40°C to +60°C

HOUSING:

Copper-free aluminum housing with separate driver enclosure for superior thermal management. Standard in a grey electrostatic powder coating. All external fasteners are stainless steel 316.

WEIGHT:

LO: 33.5 lbs / 15.2 kg
 MO: 33.7 lbs / 15.3 kg
 HO: 34.2 lbs / 15.5 kg

ELECTRICAL:

AC Input: 120-277V, 50-60Hz.
 AC Input: 347V, 50-60Hz.
 Drivers are standard with 4kV surge protection

LENS:

The clear impact-resistant tempered glass lens has a 120° beam angle. Optional 25° and 60° beam angles are also available.

MOUNTING:

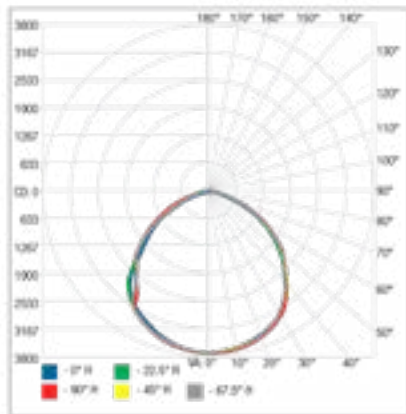
Pendant mount is standard. Adjustable wall or ceiling mount bracket (SM) and pole mount (PM) are available as options.

WARRANTY:

5 year LED warranty, see website for full warranty details.

CAS-4-LO-W4-B-W-C-120-277V

Luminous Intensity Distribution

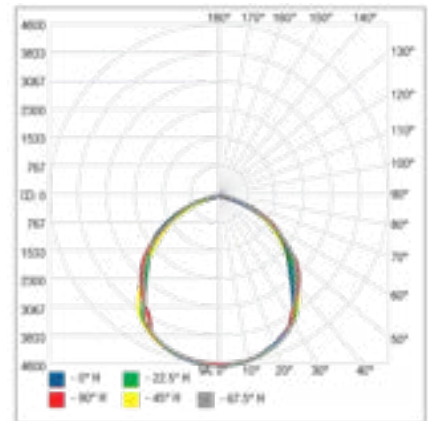


Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	2944.5	30.3%
0-40	4847.5	49.8%
0-60	8308.2	85.4%
60-90	1420.3	14.6%
0-90	9728.5	100%

CAS-4-MO-W4-B-W-C-120-277V

Luminous Intensity Distribution

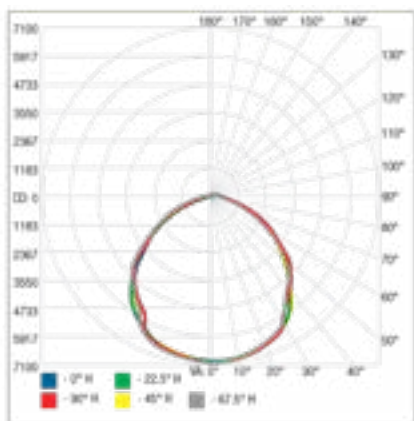


Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	3628.6	30.8%
0-40	5895.4	50.1%
0-60	10016.5	85.1%
60-90	1753.7	14.9%
0-90	11770.2	100%

[CAS-4-HO-W4-B-W-C-120-277V](#)

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	5560.2	30.3%
0-40	9080.5	49.4%
0-60	15598.5	84.9%
60-90	2772.8	15.1%
0-90	18371.4	100%

Energy Chart

MODEL	BEAM ANGLE	¹ COLOUR TEMPERATURE	EFFICACY	² LUMEN OUTPUT	CRI	³ REPORTED L70 (HOURS)
CAS-4-MO-W4-B-W-C-120-277V	120°	4000K	123 lm/W	12,339	70	>60,000
CAS-4-HO-W4-B-W-C-120-277V	120°	4000K	121 lm/W	18,122	70	>60,000
CAS-4-LO-W5-B-W-C-120-277V	120°	5000K	130 lm/W	10,400	70	>60,000
CAS-4-MO-W5-B-W-C-120-277V	120°	5000K	130 lm/W	13,000	70	>60,000
CAS-4-MO-W5-B-W-C-120-277V	120°	5000K	130 lm/W	19,500	70	>60,000
CAS-4-LO-W4-B-W-C-347-480V	120°	4000K	125 lm/W	9,979	70	>60,000
CAS-4-MO-W4-B-W-C-347-480V	120°	4000K	118 lm/W	11,758	70	>60,000
CAS-4-MO-W4-B-W-C-347-480V	120°	4000K	118 lm/W	17,718	70	>60,000
CAS-4-LO-W4-B-W-C-347-480V	120°	5000K	130 lm/W	10,400	70	>60,000
CAS-4-MO-W4-B-W-C-347-480V	120°	5000K	130 lm/W	13,000	70	>60,000

NOTE¹: Typical color temperature range: +/- 5 %.

NOTE²: Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

NOTE³: Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.