

HZF1 HAZARDOUS LOCATION FLOOD LIGHTS

CLASS I, DIVISION 1, GROUPS C,
CLASS I, DIVISION 2, GROUPS A, B, C, D
NON RECESSED MARINE LUMINAIRES,
OUTSIDE TYPE [SALT WATER]

The HZF1 LED flood lights are specifically engineered for use in hazardous environments containing flammable vapors or gases. This series is designed for locations prone to vibrations, as well as NEMA 4X environments characterized by exposure to wind, water, snow, or high ambient temperatures



30 W - 60 W



100 W - 200 W

FEATURES AND SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- Rugged and resilient housing made of a aluminum-alloy material available in a grey housing finish.
- All exposed fasteners are quality stainless steel.

Temperature ratings

Based on the surface temperature of the fixture:

- Class I, Division 1 is rated:
 - T6 (will not exceed 85°C) for 30 W, 60 W, 100 W, 150 W models
 - T5 (will not exceed 100 °C) for 200 W models
- Class I, Division 2 is rated:
 - T5 (will not exceed 100 °C) for 30 W models
 - T4A (will not exceed 120 °C) for 100 W and 150 W models
 - T4 (will not exceed 135 °C) for 60 W and 200 W models

Ambient operating temperature

- 40 °C to +60 °C for 30 W, 60 W, 100 W models
- 40 °C to +55 °C for 150 W and 200 W models

Ambient operating humidity

10 % to 90 % RH

Mounting options

Standard mounting type is pendant mount including a safety cable and this series offers the following accessories:

- Yoke mount (wall/ground or ceiling applications)
- Side surface mount
- Slipfitter with wall/pole adapter
- Chain mount
- Slipfitter (inner Ø 2.60")
- Pole mounting
- Adjustable arm for square/round pole
- Junction box

Lens/Optics

Comes standard with an impact resistant clear tempered glass lens available in a various beam angles options: 23 degrees, 110 degrees and Nema 7Hx6V.

PERFORMANCE DATA

- Available in 2 700 K, 3 000 K, 4 000 K, 5 000 K, 5 700 K, 6 500 K color temperature
- 70+ CRI
- Electrical ratings: 120-277 V 50/60 Hz and 277-480 V 50/60 Hz for 150 W lumen package.
- Estimated life L70 >60 000
- 0-10 V dimming standard
- Built-in DM 6 kV (line-line) and a CM 10 kV (line-earth)
- Power factor of ≥0.9
- THD of ≤20 %












SUITABLE FOR ZONE

RATINGS:

- Zone 1, Group IIB

COMPLIANCES

- Meets requirements of ICES-005 issue 5 class A for use in commercial applications
- IP66
- IK09
- NEMA 4X
- UL 844
- UL 1598
- UL 1598A
- UL 8750
- CSA C22.2 No.137.0
- CSA C22.2 No.250.0
- CSA C22.2 No.250.13
- 3G vibration resistant in compliance with ANSI/IEEE C136.31 standard for luminaire vibration

OVERVIEW			
LIGHT SOURCE	LED	EFFICACY [LM/W]	128-165
WATTS [W]	30, 60, 100, 150, 200	COLOR TEMPERATURE [K]	2 700, 3 000, 4 000, 5 000, 5 700, 6 500
LUMEN OUTPUT [LM]	4 050-31 400	CRI	>70
<div>   LED  DIMMABLE  WET LOCATION  HAZARDOUS LOCATION  66 IP RATING  IK09 IMPACT RESISTANCE </div> <div>  ICES 005  NEMA 4X  UL CERTIFIED  MARINE LISTED </div>			

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

HZF1					GY
SERIES	LUMEN PACKAGE [W]	BEAM ANGLE	VOLTS [V]	COLOR TEMPERATURE [K]	CASTING COLOR
HZF1	A1 - 30 A2 - 60 A3 - 100 A5 - 200 A4 - 150	N2 - 23° W3 - 110° VW1 - 7Hx6V	2 - 120-277 2 - 120-277 7 - 277-480	27 - 2 700 30 - 3 000 40 - 4 000 50 - 5 000 57 - 5 700 65 - 6 500	GY - GREY

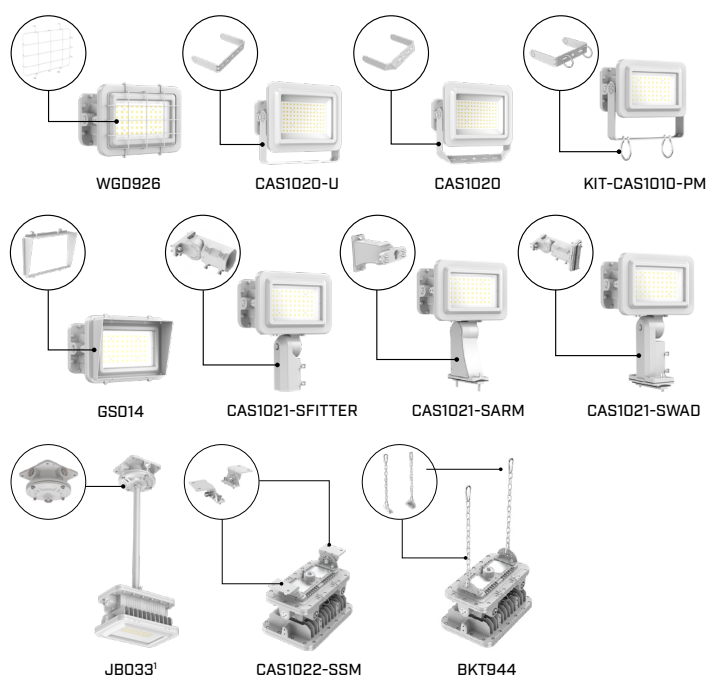
LUMEN SPECIFICATION TABLE

WATTS	BEAM ANGLE	VOLTS	FIXTURE CURRENT	4 000 K LUMEN OUTPUT [LM]	EFFICACY [LM/W]	CRI	LIFE L70 [HRS]	POWER FACTOR	THD [%]
[W]		[V]	[A]						
30	23°	120-277	0.35	4 237	145	>70	>60 000	≥0.9	≤20
60		120-277	0.65	8 703	142				
100		120-277	1.1	14 021	134				
150		120-277	1.65	20 102	128				
150		277-480	0.6	19 797	130				
200		120-277	2.2	24 601	123				
30	110°	120-277	0.35	4 434	152				
60		120-277	0.65	9 187	150				
100		120-277	1.1	15 437	148				
150		120-277	1.65	24 368	157				
150		277-480	0.6	24 062	159				
200		120-277	2.2	30 276	153				
30	7Hx6V	120-277	0.35	4 401	150				
60		120-277	0.65	9 147	149				
100		120-277	1.1	16 232	156				
150		120-277	1.65	24 213	156				
150		277-480	0.6	24 031	159				
200		120-277	2.2	29 921	152				

ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
CAS1020-S	Yoke mount for 30 W and 60 W models (wall/ground application)
CAS1020-M	Yoke mount for 100 W, 150 W and 200 W models (wall/ground application)
CAS1020-U-S	Yoke mount for 30 W and 60 W models (ceiling application)
CAS1020-U-M	Yoke mount for 100 W, 150 W and 200 W models (ceiling application)
GS014-S	Glareshield for 30 W and 60 W models
GS014-M	Glareshield for 100 W, 150 W and 200 W models
KIT-CAS1010-PM-S	Pole mounting for 30 W and 60 W models
KIT-CAS1010-PM-M	Pole mounting for 100 W, 150 W and 200 W models
WGD926-S	Wireguard for 30 W and 60 W models
WGD926-M	Wireguard for 100 W, 150 W and 200 W models
CAS1021-SFITTER	Slipfitter
CAS1021-SARM	Adjustable arm for square/round pole
CAS1021-SWAD	Slipfitter with wall/pole adapter
CAS1022-SSM	Side surface mount
BKT944	Chain mount
JB033 ¹	Junction box

¹ Pipe is not supplied.



COMPATIBLE DIMMERS¹

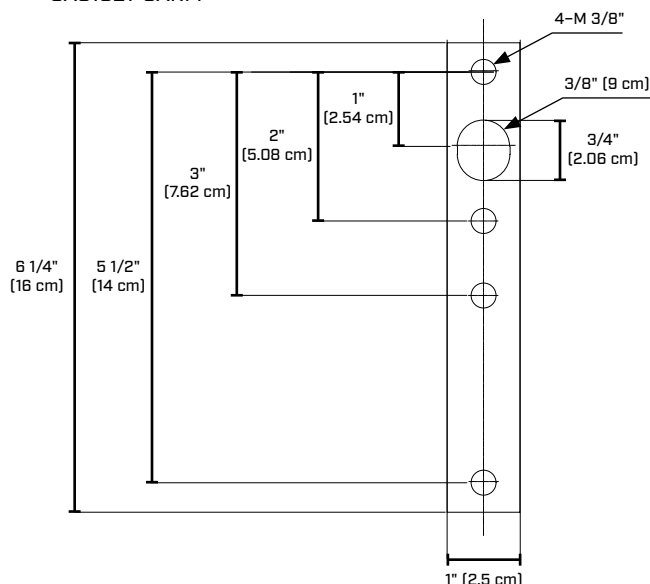
BRAND	MODEL NUMBER
LEVITON	DS710,
LUTRON	NTSTV-DV, NFTV, DVSTV

Dimming range: 0%-100%

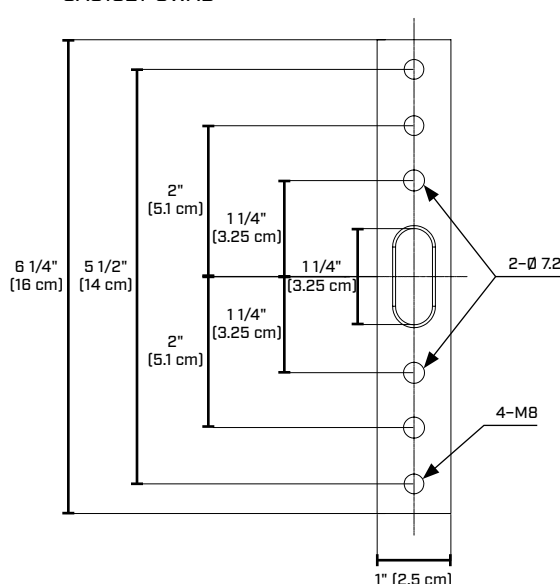
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

DRILLING PATTERNS

ADJUSTABLE ARM FOR SQUARE/ROUND POLE CAS1021-SARM

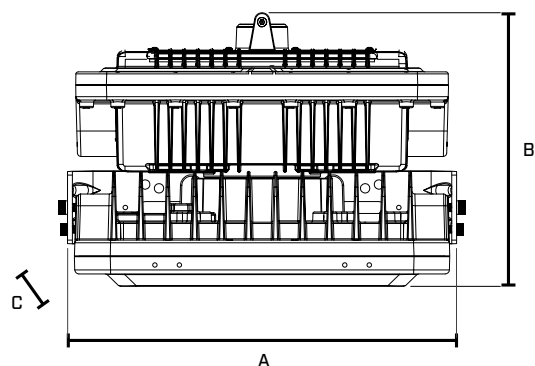


SLIPFITTER WITH WALL/POLE ADAPTER CAS1021-SWAD



DIMENSIONS AND WEIGHTS

PENDANT MOUNT



	30 W	60 W	100 W	150 W	200 W
A IN. [CM]	10 3/4" [27.30 cm]	14 1/2" [36.83 cm]			
B IN. [CM]	7 7/8" [19.89 cm]	8 3/8" [21.21 cm]			
C IN. [CM]	7 5/8" [19.48 cm]	11 1/4" [28.70 cm]			
NET WEIGHT (LBS)	18.39	32.84			