

HZF2 HAZARDOUS LOCATION FLOOD LIGHTS

CLASS I, DIVISION 2, GROUPS A, B, C, D
 NON RECESSED MARINE LUMINAIRES, OUTSIDE
 TYPE (SALT WATER)

The HZF2 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-150 W



200 W-240 W



300 W-400 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 2 is rated:
 - T5 (will not exceed 100 °C) for 30 W models
 - T4A (will not exceed 120 °C) for 60 W, 100 W, 150 W (120-277 V) 240 W and 300 W models
 - T4 (will not exceed 135 °C) for 150 W (277-480 V), 200 W, 300 W and 400 W models

Ambient operating temperature

- 40 °C to +60 °C for 30 W and 300 W (277-480 V) models
- 40 °C to +55 °C for 60 W, 100 W, 150 W, 200 W, 240 W, 300 W (120-277 V) models
- 40 °C to +50 °C for 400 W models

Ambient operating humidity

10 % to 90 % RH

Mounting types

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 a thermal shock and impact resistant tempered glass lens available in beam angles of 23 degrees, 110 degrees and Nema 7Hx8V.

PERFORMANCE DATA

- Available in a 2 700 K, 3 000 K, 4 000 K, 5 000 K, 5 700 K and 6 500 K color temperatures
- 70+ CRI
- Estimated life L70 >60 000
- Electrical ratings: 120-277 V 50/60 Hz and 277-480 V 50/60 Hz for 150 W, 300 W and 400 W lumen packages
- 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 %

COMPLIANCES

- Meets requirements of ICES-005 issue 5 class A for use in commercial applications
- IP66
- IK08
- NEMA 4X
- 3G vibration resistant in compliance with ANSI/IEEE C136.31 standard for luminaire vibration
- UL 1598A
- UL 1598
- UL 8750
- UL 844
- CSA C22.2 No.137
- CSA C22.2 No.250.0
- CSA C22.2 No.250.13

SUITABLE FOR ZONE RATINGS:

- Zone 2, Group IIC

OVERVIEW			
LIGHT SOURCE	LED	EFFICACY (LM/W)	135 - 166
WATTS (W)	30, 60, 100, 150, 200, 240, 300, 400	COLOR TEMPERATURE (K)	2 700, 3 000, 4 000, 5 000, 5 700, 6 500
LUMEN OUTPUT (LM)	4 275 - 64 800	CRI	70+
           			

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.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS [W]	VOLTS [V]	COLOR TEMPS. [K]	LUMEN OUTPUT [LM] ^{2,3}	EFFICACY [LM/W]	CRI	LIFE L70 [HRS] ⁴	TESTED HOURS LM-80 [HRS] ⁴	BEAM ANGLE [°]	B.U.G RATING	LED CURRENT [MA]	FINISH	POWER FACTOR	THD [%]
HZF2-A2W3-2-40-GY	60	120-277	4 000	9 724	157	70+	60 000	10 000	110	B3-U2-G1	662	GREY	≥0.9	≤20
HZF2-A3W3-2-40-GY	100	120-277	4 000	16 879	164	70+	60 000	10 000	110	B3-U2-G1	810	GREY	≥0.9	≤20

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

ORDERING GUIDE

HZF2 — — — — — GY

SERIES	LUMEN PACKAGE [W]	BEAM ANGLE	VOLTS [V]	COLOR TEMPERATURE [K]	CASTING COLOR
HZF2	A1 - 30 A2 - 60 A3 - 100 A5 - 200 A6 - 240	N2 - 23° W3 - 110° VW1 - 7Hx6V	2 - 120-277	27 - 2 700 30 - 3 000 40 - 4 000 50 - 5 000 57 - 5 700 65 - 6 500	GY - GREY
	A4 - 150 A7 - 300 A8 - 400		2 - 120-277 7 - 277-480		

LUMEN SPECIFICATION TABLE

WATTS [W]	BEAM ANGLE	VOLTS [V]	FIXTURE CURRENT [A]	4 000 K		CRI	LIFE L70 [HRS]	POWER FACTOR	THD [%]
				LUMEN OUTPUT [LM]	EFFICACY [LM/W]				
30	23°	120-277	0.35	4 275	140	>70	>60 000	≥0.9	≤20
60		120-277	0.65	7 973	135	>70	>60 000	≥0.9	≤20
100		120-277	1.1	14 595	144	>70	>60 000	≥0.9	≤20
150		120-277	1.65	21 102	140	>70	>60 000	≥0.9	≤20
150		277-480	0.6	21 176	141	>70	>60 000	≥0.9	≤20
200		120-277	2.2	29 297	145	>70	>60 000	≥0.9	≤20
240		120-277	2.6	34 817	142	>70	>60 000	≥0.9	≤20
300		120-277	3.3	42 000	140	>70	>60 000	≥0.9	≤20
300		277-480	1.2	42 300	141	>70	>60 000	≥0.9	≤20
400		120-277	4.4	56 400	141	>70	>60 000	≥0.9	≤20
400		277-480	1.6	56 000	140	>70	>60 000	≥0.9	≤20
30	110°	120-277	0.35	4 852	162	>70	>60 000	≥0.9	≤20
60		120-277	0.65	9 724	157	>70	>60 000	≥0.9	≤20
100		120-277	1.1	16 879	164	>70	>60 000	≥0.9	≤20
150		120-277	1.65	25 212	163	>70	>60 000	≥0.9	≤20
150		277-480	0.6	24 813	156	>70	>60 000	≥0.9	≤20
200		120-277	2.2	33 855	166	>70	>60 000	≥0.9	≤20
240		120-277	2.6	38 570	158	>70	>60 000	≥0.9	≤20
300		120-277	3.3	48 300	161	>70	>60 000	≥0.9	≤20
300		277-480	1.2	47 400	158	>70	>60 000	≥0.9	≤20
400		120-277	4.4	64 800	162	>70	>60 000	≥0.9	≤20
400		277-480	1.6	62 400	156	>70	>60 000	≥0.9	≤20
30	7Hx6V	120-277	0.35	4 851	162	>70	>60 000	≥0.9	≤20
60		120-277	0.65	9 712	156	>70	>60 000	≥0.9	≤20
100		120-277	1.1	16 608	162	>70	>60 000	≥0.9	≤20
150		120-277	1.65	24 671	160	>70	>60 000	≥0.9	≤20
150		277-480	0.6	24 863	157	>70	>60 000	≥0.9	≤20
200		120-277	2.2	33 279	163	>70	>60 000	≥0.9	≤20
240		120-277	2.6	38 040	156	>70	>60 000	≥0.9	≤20
300		120-277	3.3	47 700	159	>70	>60 000	≥0.9	≤20
300		277-480	1.2	46 500	155	>70	>60 000	≥0.9	≤20
400		120-277	4.4	64 000	160	>70	>60 000	≥0.9	≤20
400		277-480	1.6	61 600	154	>70	>60 000	≥0.9	≤20

QUICK SHIP ACCESSORIES



PART NUMBER	TYPE
CAS1021-U-S	Yoke mount for 30 and 60 W models (for ceiling applications)
CAS1021-U-M	Yoke mount for 100 and 150 W models (for ceiling applications)
JB033 ¹	Junction box

¹ Hazloc pipe and fittings not supplied.

ACCESSORIES (ORDER SEPARATELY)

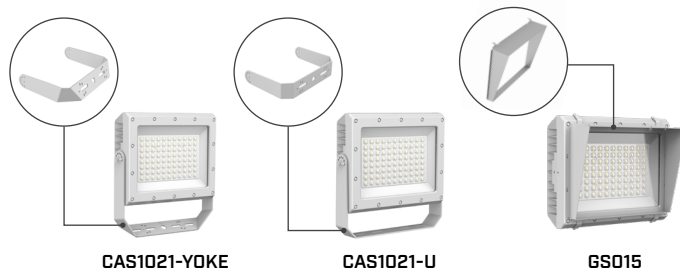
PART NUMBER	TYPE
CAS1021-YOKE-S	Yoke mount for 30 and 60 W models (for wall/ground applications)
CAS1021-YOKE-M	Yoke mount for 100 and 150 W models (for wall/ground applications)
CAS1021-YOKE-L	Yoke mount for 200 and 240 W models (for wall/ground applications)
CAS1021-YOKE-XL	Yoke mount for 300 and 400 W models (for wall/ground applications)
CAS1021-U-L	Yoke mount for 200 and 240 W models (for ceiling applications)
CAS1021-U-XL	Yoke mount for 300 and 400 W models (for ceiling applications)
GS015-S	Glareshield for 30 and 60 W models
GS015-M	Glareshield for 100 and 150 W models
GS015-L	Glareshield for 200 and 240 W models
GS015-XL	Glareshield for 300 and 400 W models
WGD927-S	Wireguard for 30 and 60 W models
WGD927-M	Wireguard for 100 and 150 W models
WGD927-L	Wireguard for 200 and 240 W models
WGD927-XL	Wireguard for 300 and 400 W models
KIT-CAS1011-PM-S	Pole mounting for 30 and 60 W models
KIT-CAS1011-PM-M	Pole mounting for 100 and 150 W models
KIT-CAS1011-PM-L	Pole mounting for 200 and 240 W models
KIT-CAS1011-PM-XL	Pole mounting for 300 and 400 W models
CAS1021-SFITTER	Slipfitter
CAS1021-SARM	Adjustable arm for square/round pole
CAS1021-SWAD	Slipfitter with wall/pole adapter
CAS1021-SSM	Side surface mount
BKT943	Chain mount

COMPATIBLE DIMMERS¹

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

Dimming range: 0%-100%

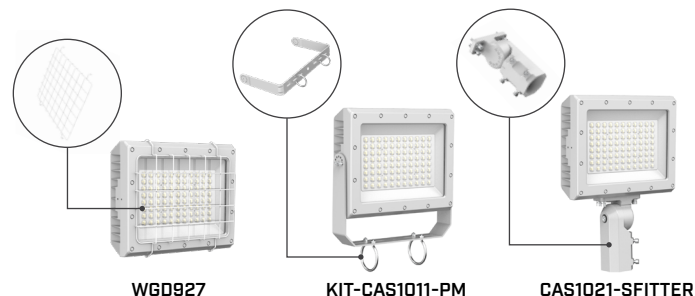
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read 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.



CAS1021-YOKE

CAS1021-U

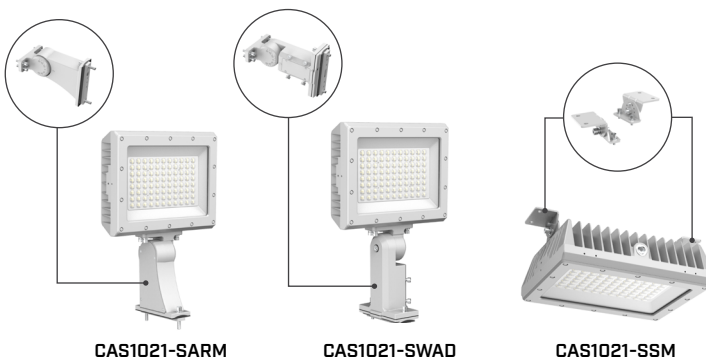
GS015



WGD927

KIT-CAS1011-PM

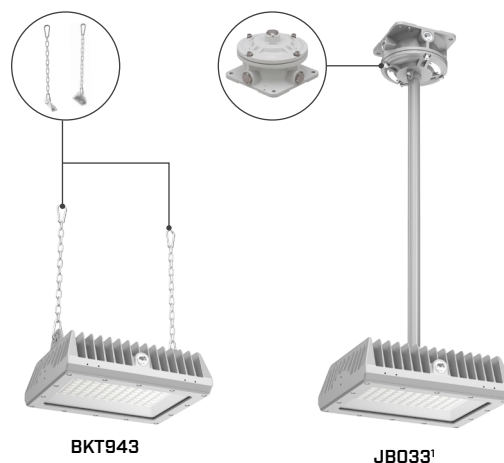
CAS1021-SFITTER



CAS1021-SARM

CAS1021-SWAD

CAS1021-SSM

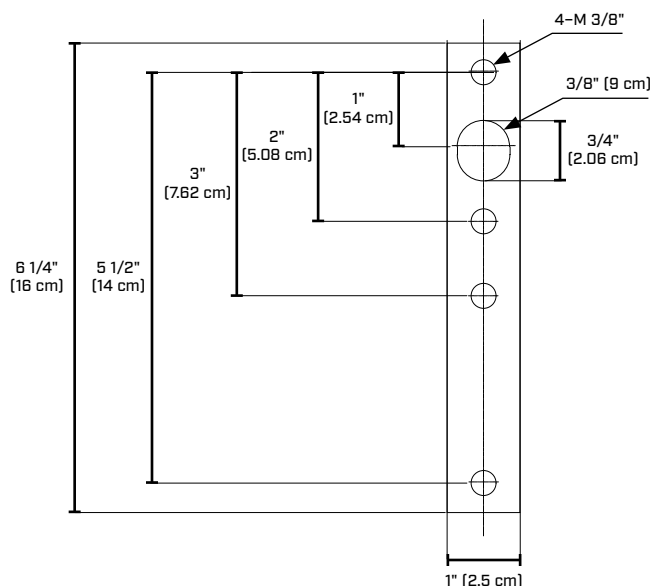


BKT943

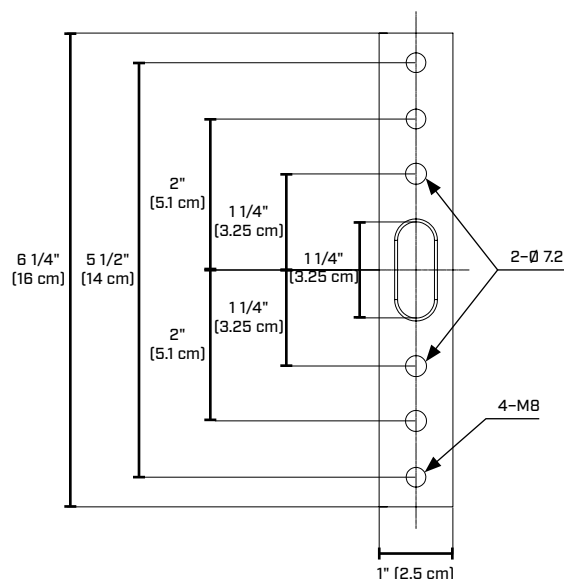
JB033¹

DRILLING PATTERNS

Adjustable arm for square/round pole
CAS1021-SARM

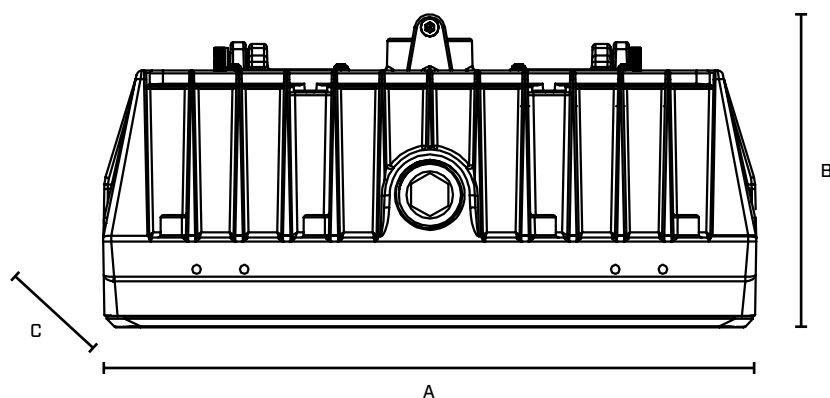


Slipfitter with wall/pole adapter
CAS1021-SWAD



DIMENSIONS AND WEIGHTS

PENDANT MOUNT



	30 W	60 W	100 W	150 W	200 W	240 W	300 W	400 W
A IN. [CM]	9 5/8 [24.5]		12 7/8 [32.7]		15 5/8 [39.7]		19 3/4 [50.1]	
B IN. [CM]	7 1/4 [18.4]		10 3/8 [26.5]		12 1/2 [31.7]		14 3/4 [37.3]	
C IN. [CM]	4 5/8 [11.7]		4 7/8 [12.3]		5 1/8 [12.9]		5 3/4 [14.5]	
NET WEIGHT (LBS)	12.79	13.23	21.16	21.61	31.09	31.31	48.50	50.70