

HZL2

HAZARDOUS LOCATION LED LINEAR LUMINAIRE

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

The HZL2 LED linears 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.



2 ft. (40 W)



4 ft. (80 W, 120 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:
 - T4A (will not exceed 120 °C) for 40 W, 80 W (120-277 V) and 120 W models
 - T5 (will not exceed 100 °C) for 80 W (277-480 V) models

Ambient operating temperature

-40 °C to +65 °C

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
- Side surface mount
- Pole mount
- Chain mount
- Junction box

Lens/Optics

This series comes standard in a clear polycarbonate lens and has the option of a 80 degrees and 110 degrees beam angles.

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
- 80+ CRI
- Estimated life L70 >54 000
- Electrical ratings: 120-277 V 50/60 Hz and 277-480 V 50/60 Hz for 80 W lumen package
- 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
- IK09
- 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, No.250.13

SUITABLE FOR ZONE

RATINGS:

- Zone 2, Group IIC

OVERVIEW			
LIGHT SOURCE	LED	EFFICACY [LM/W]	156-165
WATTS [W]	40, 80, 120	COLOR TEMPERATURE [K]	2 700, 3 000, 4 000, 5 000, 5 700, 6 500
LUMEN OUTPUT [LM]	6 529-19 253	CRI	80+
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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	VOLTS	COLOR TEMPS.	LUMEN OUTPUT	EFFICACY	CRI	LIFE L70	TESTED HOURS LM-80 (HRS) ⁴	BEAM ANGLES	B.U.G RATING	LED CURRENT	FINISH	POWER FACTOR	THD
	[W]	[V]	[K] ¹	[LM] ^{2,3}	[LM/W]		[HRS] ⁴		[°]		[MA]			[%]
HZL2-A2W3-2-40-GY	80	120-277	4 000	12 871	159	80+	54 000	17 000	110	B3-U3-G1	1 590	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

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SERIES	LUMEN PACKAGE [W]	BEAM ANGLE [°]	VOLTS [V]	COLOR TEMPERATURE [K]	CASTING COLOR
HZL2	A1 - 40	MW2 - 80 W3 - 110	2 - 120-277	27 - 2 700	GY - GREY
	A3 - 120			30 - 3 000	
				40 - 4 000	
	A2 - 80		2 - 120-277 7 - 277-480	50 - 5 000 57 - 5 700 65 - 6 500	

LUMEN SPECIFICATION TABLE

WATTS	BEAM ANGLE	VOLTS	FIXTURE CURRENT	4 000 K		CRI	LIFE L70	POWER FACTOR	THD
[W]	[°]	[V]	[A]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]		[HRS]		[%]
40	80	120-277	0.45	6 529	159	>80	>54 000	≥0.9	≤20
80		120-277	0.9	13 120	161	>80	>54 000	≥0.9	≤20
80		277-480	0.32	13 324	165	>80	>54 000	≥0.9	≤20
120		120-277	1.3	19 253	159	>80	>54 000	≥0.9	≤20
40	110	120-277	0.45	6 336	156	>80	>54 000	≥0.9	≤20
80		120-277	0.9	12 871	159	>80	>54 000	≥0.9	≤20
80		277-480	0.32	13 155	160	>80	>54 000	≥0.9	≤20
120		120-277	1.3	18 880	156	>80	>54 000	≥0.9	≤20

QUICK SHIP ACCESSORIES

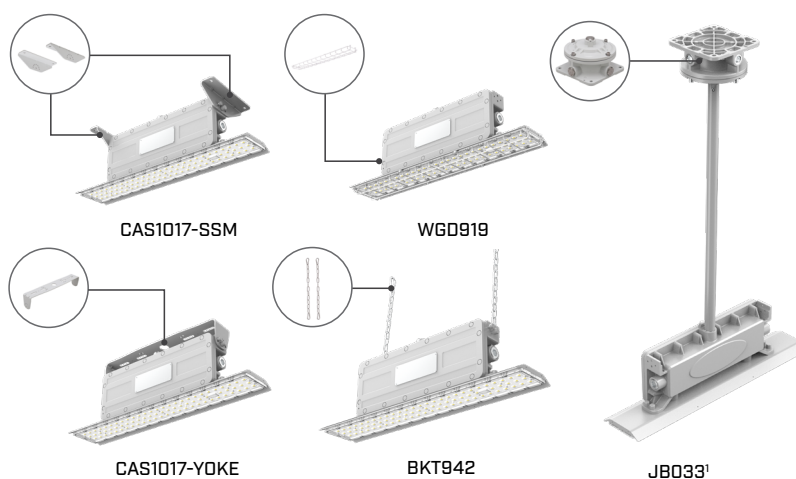


PART NUMBER	TYPE
CAS1017-YOKE	Yoke mount
JB033 ¹	Junction box

¹ Hazloc pipe and fittings not supplied.

ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
CAS1017-SSM	Side surface mount
WGD919-S	Wireguard for 40 W models
WGD919-M	Wireguard for 80 W and 120 W models
KIT-CAS1009-PM	Pole mounting
BKT942	Chain mount



COMPATIBLE DIMMERS¹

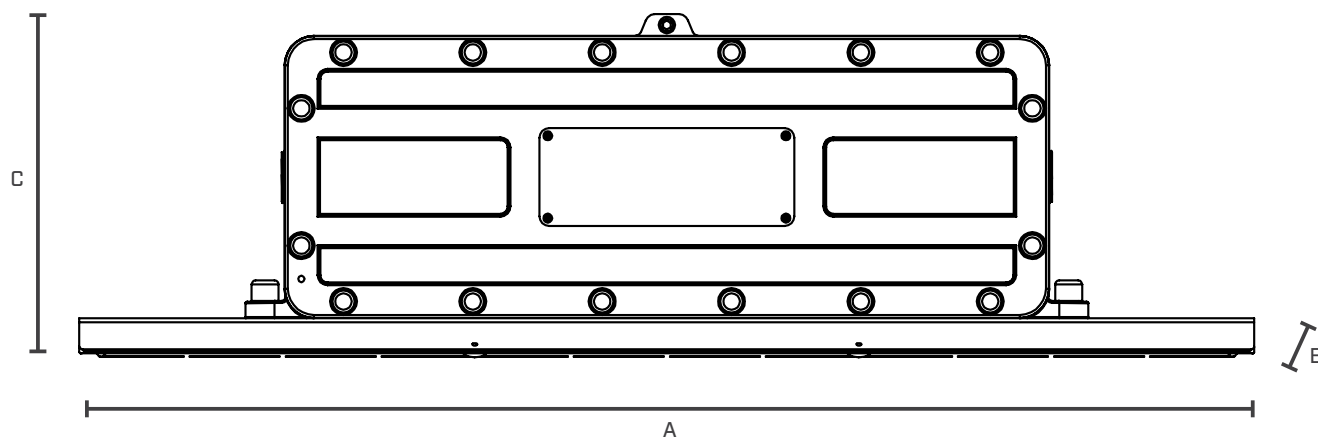
BRAND	MODEL NUMBER
LEVITON	DS710
LUTRON	NTSTV-DV, NFTV, DVSTV

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.

DIMENSIONS AND WEIGHTS

PENDANT MOUNT



	40 W	80 W 120 W
A in. [cm]	23 5/8 [60]	47 1/4 [120]
B in. [cm]	5 [12.7]	5 [12.7]
C in. [cm]	6 7/8 [17.50]	6 7/8 [17.50]
Net weight [lbs]	14.99	19.84