

C4F-L

HAZARDOUS LOCATION LED FLOOD LUMINAIRE

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



The C4F-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4F-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapors or gases.

FEATURES AND SPECIFICATIONS

CONSTRUCTION

Housing

Rugged and resilient housing made of a copper-free aluminum, corrosion resistant casting, with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture:

- Class I, Division 2, Class II, Division 2 & Class III are rated T4A (will not exceed 120°C)

Ambient operating temperature

-40°C to +60°C

Ambient operating humidity

5% ~ 95% RH

Mounting options

The C4F-L series comes standard with a pendant mount however in option pole, ceiling and wall mounting are available.

Optics

Comes standard with a thermal shock and impact resistant tempered glass lens and is available in a clear finish with a 120° beam angle.

ELECTRICAL

Available in either A1 [80 W], A2 [100 W] or A3 [150 W] packages with a lumen per watt ratio of 118 lm/W to 130 lm/W. Driver allows input voltage from 120-277 V 50/60 Hz, or 347-480 V 50/60 Hz. All drivers are non-dimmable and have 4 kV integrated transient surge protection with a power factor > 0.95.

Durable high powered OSRAM LEDs with solder-less board connections for shock and vibration resistance. The C4F-L is offered in either 4 000 or 5 000 K color temperatures with a color rendering index (CRI) > 70.

NEC/CEC STANDARDS

NEC500/CEC Section 18:

Existing plants

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

NEC505/CEC Section 18 Zones:

New plants

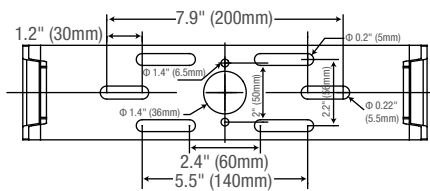
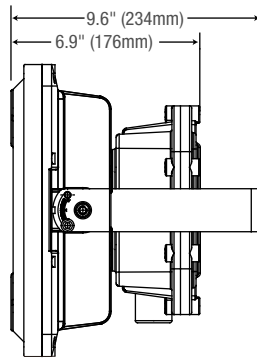
- Hazloc D
 - Class I, Zone 2, Group IIC
 - Zone 22

COMPLIANCES

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- IK08
- UL 1598A
- UL 1598
- UL 8750
- CSA C22.2 No.137
- CSA C22.2 No.30-M1986
- CSA C22.2 No.25-1966
- CSA C22.2 No.250.0
- CSA C22.2 No.250.13

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	4 000, 5 000
WATTS (W)	80 - 150	CRI	>70
LUMEN OUTPUT (LM)	9 979 - 19 500	WEIGHT (LBS)	33.5 - 34.2
EFFICACY (LM/W)	118 - 130		

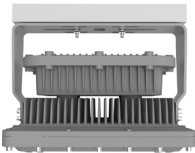
DIMENSIONS



PENDANT [STANDARD]



CEILING MOUNT

**WALL MOUNT**

QUICK SHIP ORDERING GUIDE



PART NUMBER	WATTS [W]	COLOR TEMP. [K]	LUMEN OUTPUT [LM]	EFFI-CACY [LM/W]	CRI	LIFE L70 [HRS]	LM80	LED CURRENT [MA]	PF	THD [%]	B.U.G. RATING	LENS TYPE	BEAM ANGLE [°]	CASE QTY [MASTER]
120-277V														
C4F-LA2-2-A/5K120T	100	5 000	13 000	130	70	54 000	10 000	525	0.99	15	B4-U0-G1	CLEAR	120	1
347-480 V														
C4F-LA1-8-D/4K120T	80	4 000	9 979	125	70	54 000	10 000	525	0.90	10	B4-U0-G1	CLEAR	120	1
C4F-LA3-8-D/4K120T	150	4 000	17 718	118	70	54 000	10 000	480	0.93	11	B4-U0-G1	CLEAR	120	1
C4F-LS3-8-A/4K120T	150	4 000	17 718	118	70	54 000	10 000	480	0.93	11	B4-U0-G1	CLEAR	120	1
C4F-LA1-8-D/5K120T	80	5 000	10 400	130	70	54 000	10 000	525	0.90	10	B4-U0-G1	CLEAR	120	1
C4F-LA3-8-A/5K120T	150	5 000	19 500	130	70	54 000	10 000	480	0.93	11	B4-U0-G1	CLEAR	120	1

QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

ACCESSORIES (ORDER SEPARATELY)

PART #	DESCRIPTION
BKT763	POLE TYPE STANCHION NPT 2-3/8"



BKT761-FL
U bracket

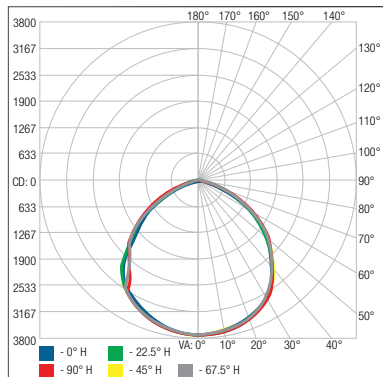
LUMEN CHART TABLE

ELECTRICAL DATA													
PACKAGE	LENS TYPE	VOLTS [V AC]	LED CURRENT [MA]	# OF LEDS	WATTS [W]	CRI	LUMENS OUTPUT [LM]	EFFI-CACY [LM/W]	LIFE L70 [HRS]	LM80	PF	THD [%]	B.U.G. RATING
4 000 K													
A1	TRANSPARENT	120-277	525	54	80	70	10 059	126	54 000	10 000	0.99	17	B4-U0-G1
		347-480	525	54	80	70	9 979	125	54 000	10 000	0.90	10	B4-U0-G1
A2		120-277	525	72	100	70	12 339	123	54 000	10 000	0.99	15	B4-U0-G1
		347-480	525	72	100	70	11 758	118	54 000	10 000	0.94	8	B4-U0-G1
A3		120-277	480	96	150	70	18 122	121	54 000	10 000	1.00	13	B4-U0-G1
		347-480	480	96	150	70	17 718	118	54 000	10 000	0.93	11	B4-U0-G1
5 000 K													
A1	TRANSPARENT	120-277	525	54	80	70	10 400	130	54 000	10 000	0.99	17	B4-U0-G1
		347-480	525	54	80	70	10 400	130	54 000	10 000	0.90	10	B4-U0-G1
A2		120-277	525	72	100	70	13 000	130	54 000	10 000	0.99	15	B4-U0-G1
		347-480	525	72	100	70	13 000	130	54 000	10 000	0.94	8	B4-U0-G1
A3		120-277	480	96	150	70	19 500	130	54 000	10 000	1.00	13	B4-U0-G1
		347-480	480	96	150	70	19 500	130	54 000	10 000	0.93	11	B4-U0-G1

PHOTOMETRIC DATA

C4F-LA1-2-D/4K120T • 10 059 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2944.5	30.3
0-40	4 847.5	49.8
0-60	8 308.2	85.4
60-90	1 420.3	14.6
0-90	9 728.5	100

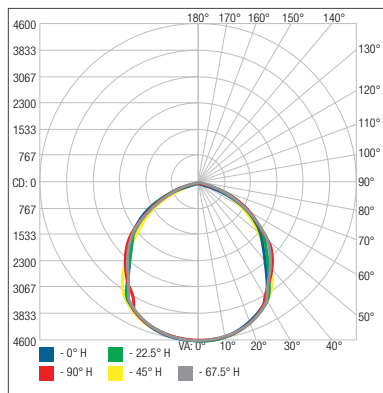
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1 286	4.4'	4.9'
3.3'	341	8.6'	9.5'
5.0'	149	13.0'	14.4'
6.7'	82.8	17.4'	19.3'
8.3'	54.0	21.6'	23.9'
10'	37.2	26.0'	28.8'

■ Vert. Spread: 104.8° ■ Hor. Spread: 110.4°

C4F-LA2-2-D/4K120T • 12 339 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	3 628.6	30.8
0-40	5 895.4	50.1
0-60	10 016.5	85.1
60-90	1 753.7	14.9
0-90	11 770.2	100

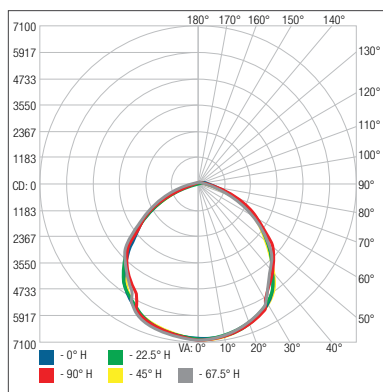
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1 396	4.4'	4.5'
3.3'	370	8.6'	8.8'
5.0'	161	13.1'	13.4'
6.7'	89.9	17.5'	17.9'
8.3'	58.6	21.7'	22.2'
10'	40.3	26.2'	26.7'

■ Vert. Spread: 105.2° ■ Hor. Spread: 106.4°

C4F-LA3-2-D/4K120T • 18 122 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	5 560.2	30.3
0-40	9 080.5	49.4
0-60	15 598.5	84.9
60-90	2 772.8	15.1
0-90	18 371.4	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	2 436	4.7'	4.6'
3.3'	647	9.1'	8.9'
5.0'	282	13.8'	13.4'
6.7'	157	18.5'	18.0'
8.3'	102	22.9'	22.3'
10'	70.4	27.6'	26.9'

■ Vert. Spread: 108.1° ■ Hor. Spread: 106.7°

All products are subject to change or may be discontinued any time without notice.
Please consult our chemical resistance guide to ensure selection of the proper product for your application.