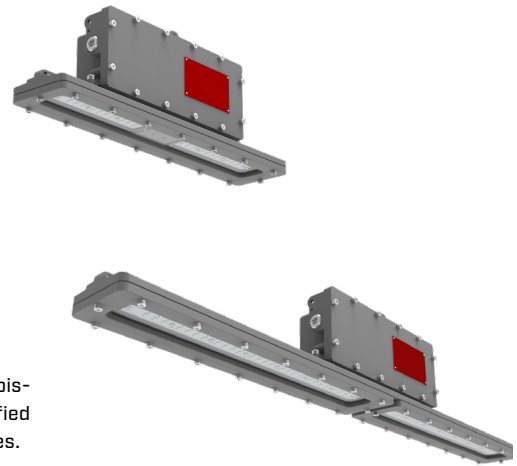


C4LA-L HAZARDOUS LOCATION LED LINEAR LUMINAIRE

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

The C4LA-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4LA-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. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture;

- Based on the surface temperature of the fixture ;
 - Class I Division 1, Group C, D is rated T6
 - Class I Division 2, Group A, B, C, D is rated T3C

Ambient operating temperature

-40°C to +50°C

Ambient operating humidity

10% ~ 90% RH

Lens and Optics

This luminaire is outfitted of a glass lens that comes in a transparent or a diffuse finish. Beam angles options of 60° and 110° are available as well as a type II distribution pattern.

ELECTRICAL

Available in either A1 (40 W) or A2 (80 W) configurations with a lumen per watt ratio up to 133 lm/W. Driver input voltage is 120-277 V 50/60 Hz, or 347 V 50/60 Hz with a power factor

>0.95. Durable high LEDs with solder-less board connections for shock and vibration resistance. The C4LA-L is offered in either 3 000, 4 000 and 5 000 K, with a color rendering index (CRI) >70.

NEC/CEC STANDARDS

NEC500/CEC Section 18:

Existing plants

Hazloc B

- Class I, Division 1, Groups C, D
- Class I, Division 2, Groups A, B, C, D

NEC505/CEC Section 18:

Zones: New plants

Hazloc B

- Class I, Zone 1, Group IIB
- Class I, Zone 2, Group IIC

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
- UL1598A
- UL1598
- UL8750

OVERVIEW

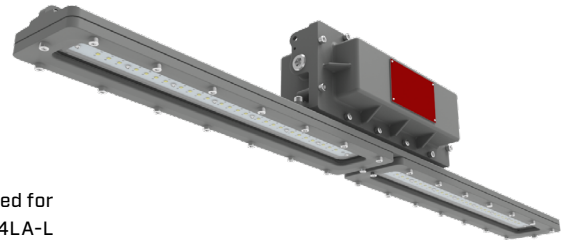
LIGHT SOURCE	LED	COLOR TEMPERATURE [K]	3 000, 4 000, 5 000
WATTS [W]	40 - 80	CRI	>70
LUMEN OUTPUT [LM]	3 511 - 10 456	WEIGHT [LBS]	12.1 - 16.7
EFFICACY [LM/W]	92 - 133		



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.

C4LA-L WITH EMERGENCY BACKUP HAZARDOUS LOCATION LED LINEAR LUMINAIRE

CLASS I, DIVISION 1, GROUPS C, D
 NON RECESSED MARINE LUMINAIRES,
 OUTSIDE TYPE (SALT WATER)



The C4LA-L with emergency backup Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4LA-L with emergency backup 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. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture;

- Based on the surface temperature of the fixture;
 - Class I Division 1, Group C, D is rated T6

Ambient operating temperature

-20° to +45° C

Ambient operating humidity

10% ~ 90% RH

Battery

- 6 W (606 to 841 lumens)
- Discharge time : 90 min
- Charge time : 24 hours
- High-Temperature, Maintenance-Free Nickel-Cadmium Battery, 7 to 10 years life expectancy

Lens and Optics

This luminaire is outfitted of a glass lens that comes in a transparent or a diffuse finish. Beam angles options of 60° and 110° are available as well as a type II distribution pattern.

ELECTRICAL

Available in A2 (80 W) configuration with a lumen per watt ratio up to 130 lm/W. Driver input voltage is 120-277 V 50/60 Hz, or 347 V 50/60 Hz. Power factor >0.95. Durable high LEDs with solder-less board connections for shock and vibration resistance. The C4LA-L with emergency backup is offered in either 3 000, 4 000 and 5 000 K, with a color rendering index [CRI] >70.

NEC/CEC STANDARDS

NEC500/CEC Section 18:

Existing plants

- Hazloc B
 - Class I, Division 1, Groups C, D

NEC505/CEC Section 18

Zones: New plants

- Hazloc B
 - Class I, Zone 1, Group IIB

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
- UL924
- UL1598A
- UL1598
- UL8750

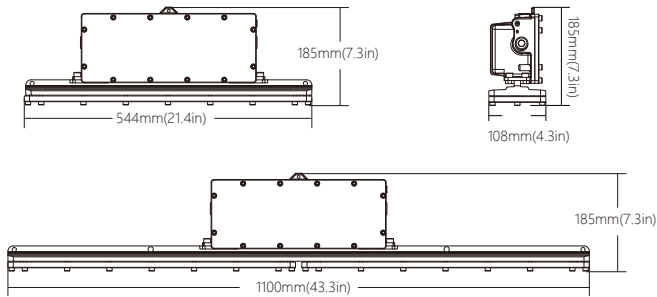
OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE [K]	3 000, 4 000, 5 000
WATTS [W]	80	CRI	>70
LUMEN OUTPUT [LM]	7 604 - 10 456	WEIGHT [LBS]	12.1 - 16.7
EFFICACY [LM/W]	94 - 130		
  LED  IP RATING  ICES 005  IK07 IMPACT RESISTANCE  c UL LISTED  MARINE UL LISTED			

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.

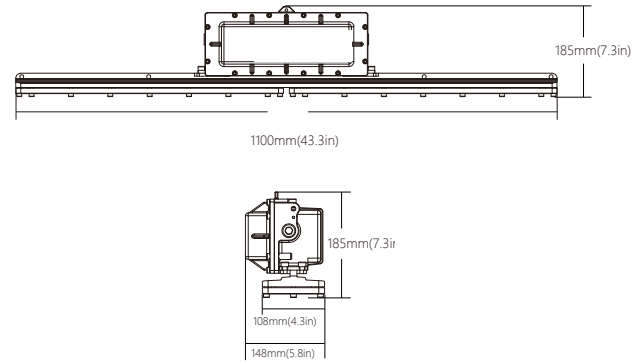
C4LA-L

DIMENSIONS

PART #	NET WEIGHT [LBS]	DIMENSIONS [LXWXH] [IN]
C4LA-LA1	16.1	21.4 X 4.3 X 7.3
C4LA-LA2	23.8	43.3 X 4.3 X 7.3



PART #	NET WEIGHT [LBS]	DIMENSIONS [LXWXH] [IN]
C4LA-LA2 [DL]	26.9	43.3 X 5.8 X 7.3



MOUNTING

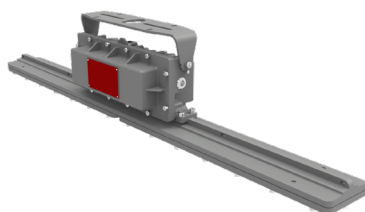
PENDANT (STANDARD)



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

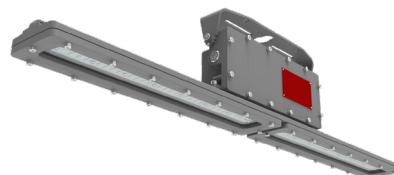
CEILING MOUNT

BKT761-LN



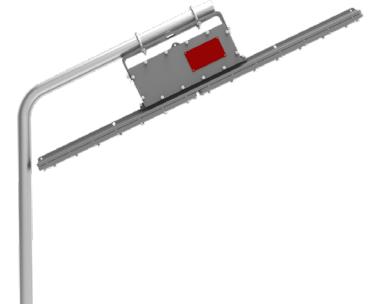
WALL MOUNT

BKT761-LN



POLE MOUNT

BKT775 + BKT761-LN



ORDERING GUIDE

C4LA		L				B		/					
SERIES	LAMP TYPE	LUMEN PACKAGE	VOLTS [V]	HAZLOC	COLOR TEMP. [K]	BEAM ANGLE	LENS OPTION						
C4LA	L - LED	A1 - REFER TO THE A2 - TECHNICAL SPECIFICATIONS TABLE FOR DETAILS	2 - 120-277 B - 347	B - CLASS I DIVISION 1, CLASS I DIVISION 2	3K - 3 000 4K - 4 000 5K - 5 000	I - 60° J - 110° K - TYPE II	D - DIFFUSE GLASS¹ T - TRANSPARENT GLASS						

¹Only available with the 110° optic.

ORDERING GUIDE - WITH EMERGENCY BACKUP

C4LA	L	A2	2	B	/			DL
SERIES	LAMP TYPE	LUMEN PACKAGE	VOLTS [V]	HAZLOC	COLOR TEMP. [K]	BEAM ANGLE	LENS OPTION	OPTION
C4LA	L - LED	A2 - REFER TO THE TECHNICAL SPECIFICATIONS TABLE FOR DETAILS	2 - 120-277	B - CLASS I DIVISION 1	3K - 3 000 4K - 4 000 5K - 5 000	I - 60° J - 110° K - TYPE II	D - DIFFUSE GLASS ¹ T - TRANSPARENT GLASS	DL - EMERGENCY BACKUP ²

¹Only available with the 110° optic.

²External test switch supplied by others.

ACCESSORIES (ORDER SEPARATELY)

PART #	DESCRIPTION
HAR1117	STAINLESS STEEL SAFETY KIT
BKT775	STANCHION MOUNT PIPE CLAMP ¹
BKT761-LN	U-BRACKET

¹ Include 2 pipes per box.



HAR1117
Stainless steel safety kit



BKT775
Stanchion mount pipe clamp



BKT761-LN
U-bracket

LUMEN CHART TABLE

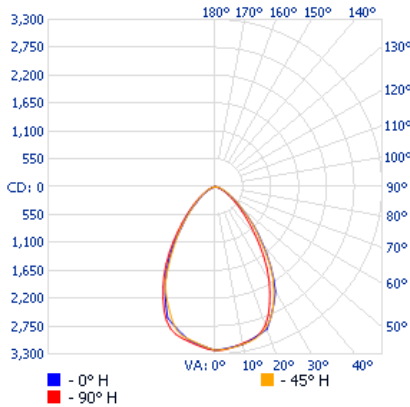
LUMEN PACKAGE	OPTICS	LENS TYPE	VOLTS [V]	LED CURRENT [MA]	# OF LEDS	WATTS [W]	CRI	LUMENS OUTPUT [LM]	EFFI- CIENCY [LM/W]	LIFE L70 [HRS]	LM80 [HRS]	PF	THD [%]			
3 000 K																
A1	60°	TRANSPARENT	120-277	475	26	40	70	4 510.20	112.76	≥50 000	9 000	0.95	17			
	110°		347					4 436.25	116.35							
			120-277					4 485.21	112.13							
A2	60°		120-277					500	52				80	9 732.99	121.66	13
	110°		347											9 546.14	117.11	
			120-277											9 216.50	115.21	
A1	110°	DIFFUSE	120-277	475	26	40	3 511.23			92.38	17					
A2	110°		120-277	500	52	80	7 604.9			93.5	13					
			347													
4 000 K																
A1	60°	TRANSPARENT	120-277	475	26	40	70	4 614.69	115.37	≥50 000	9 000	0.95	17			
	110°		347					4 472.25	117.97							
			120-277					4 934.89	123.37							
A2	60°		120-277					500	52				80	9 742.32	121.78	13
	110°		347											9 554.71	119.27	
			120-277											9 849.62	123.12	
A1	110°	DIFFUSE	120-277	475	26	40	3 511.15			93.02	17					
A2	110°		120-277	500	52	80	7 520.41			94.17	13					
			347													
5 000 K																
A1	60°	TRANSPARENT	120-277	475	26	40	70	5 356.11	133.90	≥50 000	9 000	0.95	17			
	110°		347					4 800.00	120.00							
			120-277					5 118.43	123.91							
A2	60°		120-277					500	52				80	10 456.80	130.71	13
	110°		347											9 600.00	120.00	
			120-277											10 249.5	128.82	
A1	110°	DIFFUSE	120-277	475	26	40	3 897.10			97.59	17					
A2	110°		120-277	500	52	80	8 035.08			98.59	13					
			347													

C4LA-L

PHOTOMETRIC DATA

C4LA-LA1-2-B/4KIT • 4 615.7 LM

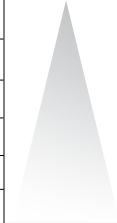
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

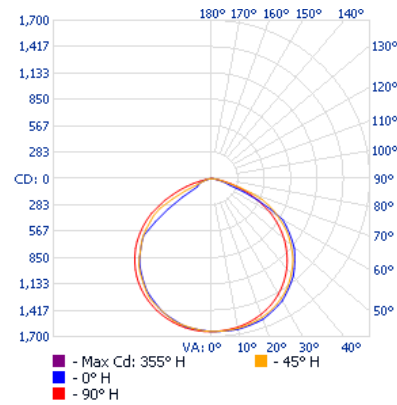
ZONE	LUMENS	% FIXTURE
0-30	2 281.5	49.4%
0-40	3 308.7	71.7%
0-60	4 365.8	94.6%
60-90	249.9	5.4%
0-90	4 615.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
8.3'	46.8		12.0'	11.7'
16.7'	11.6		24.1'	23.4'
25.0'	5.16		36.1'	35.1'
33.3'	2.91		48.1'	46.8'
41.7'	1.86		60.2'	58.5'
50.0'	1.29		72.2'	70.2'
Vert. Spread: 71.6° Hor. Spread: 70.1°				

C4LA-LA1-2-B/4KJT • 4 472.8 LM

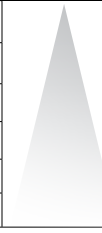
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

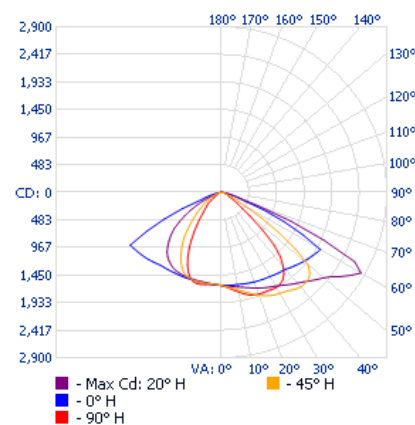
ZONE	LUMENS	% FIXTURE
0-30	1 302.5	29.1%
0-40	2 157.2	48.2%
0-60	3 827.0	85.6%
60-90	645.8	14.4%
0-90	4 472.8	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
8.3'	23.9		24.9'	25.7'
16.7'	5.89		50.1'	51.8'
25.0'	2.63		75.0'	77.6'
33.3'	1.48		99.9'	103.3'
41.7'	0.95		125.0'	129.4'
50.0'	0.66		149.9'	155.1'
Vert. Spread: 112.6° Hor. Spread: 114.4°				

C4LA-LA1-2-B/4KKT • 4 935.5 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 434.4	29.1%
0-40	2 439.0	49.4%
0-60	4 365.6	88.5%
60-90	569.9	11.5%
0-90	4 935.5	100%

ILLUMINANCE AT A DISTANCE

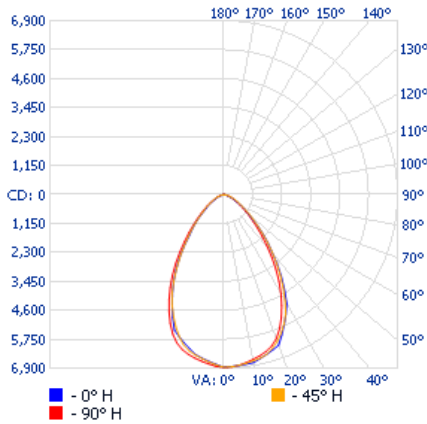
CENTER BEAM FC			BEAM WIDTH	
8.3'	23.7		36.8'	4.8'
16.7'	5.85		74.0'	9.7'
25.0'	2.61		110.8'	14.5'
33.3'	1.47		147.6'	19.4'
41.7'	0.94		184.9'	24.3'
50.0'	0.65		221.7'	29.1'
■ Vert. Spread: 131.4° ■ Hor. Spread: 32.4°				

¹ Complete IES files available on our website.

PHOTOMETRIC DATA

C4LA-LA2-2-B/4KIT • 9 744.5 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	4 818.2	49.4%
0-40	6 981.6	71.7%
0-60	9 215.5	94.6%
60-90	528.9	5.4%
0-90	9 744.5	100%

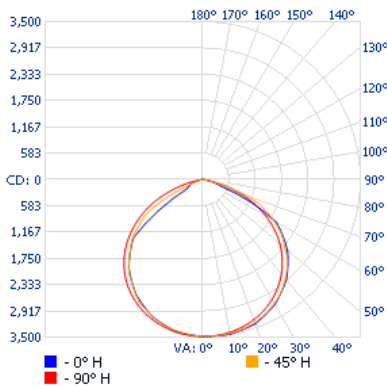
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
8.3'	99.5	11.8'	11.7'
16.7'	24.6	23.7'	23.5'
25.0'	11.0	36.1'	35.2'
33.3'	6.18	48.1'	46.9'
41.7'	3.94	60.2'	58.7'
50.0'	2.74	72.2'	70.4'

■ Vert. Spread: 70.8° ■ Hor. Spread: 70.3°

C4LA-LA2-2-B/4KJT • 9 555.8 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 761.3	28.9%
0-40	2 577.4	47.9%
0-60	8 143.7	85.2%
60-90	1 412.2	14.8%
0-90	9 555.8	100%

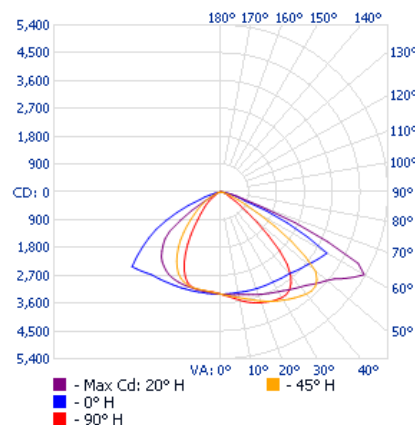
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
8.3'	23.9	24.9'	25.7'
16.7'	5.89	50.1'	51.8'
25.0'	2.63	75.0'	77.6'
33.3'	1.48	99.9'	103.3'
41.7'	0.95	125.0'	129.4'
50.0'	0.66	149.9'	155.1'

■ Vert. Spread: 112.6° ■ Hor. Spread: 114.4°

C4LA-LA2-2-B/4KKT • 9 850.4 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 868.0	29.1%
0-40	4 900.3	49.7%
0-60	8 774.9	89.1%
60-90	1 075.5	10.9%
0-90	9 850.4	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
8.3'	48.0	34.4'	5.5'
16.7'	11.9	69.1'	11.0'
25.0'	5.29	103.5'	16.5'
33.3'	2.98	137.8'	21.9'
41.7'	1.90	172.6'	27.4'
50.0'	1.32	207.0'	32.9'

■ Vert. Spread: 128.4° ■ Hor. Spread: 36.4°

¹ Complete IES files available on our website.