

DESCRIPTION

The fully sealed, stainless-steel FA1 LED luminaire features the patented, modular LED LightBAR technology. Available in 1- or 2-LightBar configurations - Type 2 and Type 5 distributions. IP66 ingress protection rating and 50°C ambient rating ensures trouble-free operation in a variety of complex, non-hazardous applications such as food-processing, marine, waste-water treatment, heavy manufacturing, car washes, and general wash-down areas.

SPECIFICATION FEATURES

Construction

Rugged one-piece fabricated 16 gauge stainless-steel housing, painted powder coat white. Die-formed stainless steel door with 0.156" thick clear tempered glass, with silicone gasket around the perimeter of the glass. One-piece silicone gasket around the perimeter of the door, to form a tight seal to the housing. Six (6) stainless steel Phillips-head screws secure the door to the housing.

Optics

Choice of one(1) two (2) patented, high-efficiency AccuLED Optics manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Offered standard in 4000K (+/-275) CCT and nominal 70 CRI.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%.

Electrical

LED driver mounts to stainless-steel housing back, with aluminum heat-sink between driver and housing. 120-277V 50/60Hz. Circuit module designed to withstand 10kV of transient line surge. 50,000+ hour life with >70% lumen maintenance. Suitable for -30°C to 50°C ambient environments.

Junction Box

Polycarbonate, 3.7" square (94mm) with (6) 16/20mm knockouts (2/ side) IP66 rated, (4) screws attach top access cover to box. Double row terminal block to expedite installation.

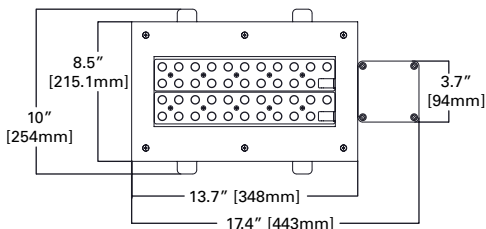


FA1 LED

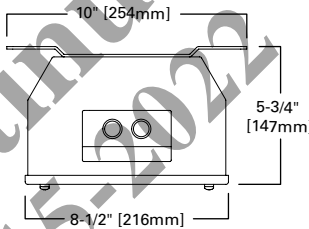
SPECIALTY: Corrosion-Resistant

**IP66 Rated
Wet Location
50°C Ambient**

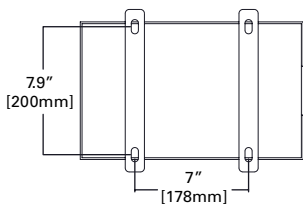
TOP VIEW (2-LIGHTBAR CONFIGURATION SHOWN)



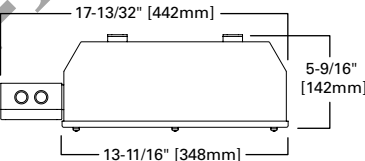
END VIEW



MOUNTING



SIDE VIEW



ORDERING INFORMATION

Sample Number: FA1-B01-LED-E1-5MQ-CTG156-WH

FA1	LED	E1			
Product Family FA1=Fail-Safe Luminaire	Lamp Type LED=Solid State Light-Emitting Diodes	Electrical E1=Electronic Driver (1) (120-277V)	Distribution T2=Type II 5MQ=Type V	Finish WH=White powder coated paint BK=Black powder coated paint BZ=Bronze powder coated paint	Options 316SS=Type 316 Stainless Steel Housing and Door AL=Aluminum Housing and Door
Number of LightBARs					
B01=[1] 21 LED LightBAR					
B02=[2] 21 LED LightBARs					
C01=[1] 7 LED LightBARs					
C02=[2] 7 LED LightBARs					
Lens					
CTG156=Clear Tempered Glass, 0.156" thick					
PC125=Clear Polycarbonate, 0.125" thick					
AC125=Clear acrylic, 0.125" thick					

POWER AND LUMENS BY BAR COUNT

Number of LightBARs	DISTRIBUTION / LUMENS				
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	5MQ
B LightBAR (21 LEDs) / C LightBAR (7 LEDs)					
B01	27	0.23	0.13	2,304	2,382
B02	51	0.43	0.20	4,571	4,726
C01	27	0.23	0.13	1,870	1,934
C02	54	0.46	0.21	3,725	3,837

ENERGY DATA

120V - 277V

CERTIFICATION DATA

UL/cUL Wet Location Listed
IP66 Ingress Protection Rated

TECHNICAL DATA

-30C Min. Temperature
+50C Ambient Temperature

PHOTOMETRICS

Please consult factory.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96
50°C	0.92