

CRUZER

AREA LUMINAIRE

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

Turtle Friendly

SPECIFICATIONS

Intended Use:

The Beacon Cruiser luminaire is a pole mounted luminaire with a field replaceable LED light engine & optical bezel system. Internal components are totally enclosed in a rain-tight and corrosion resistant die cast aluminum housing. The Cruiser luminaire is NRTL Listed and suitable for wet locations.

Construction:

- Die cast aluminum two-piece housing.
- Die cast main (thermal) housing provides direct heat exchange between the LED light engine and the cool outdoor air.
- LED drivers are thermally isolated from the main housing, mechanically attached and heat sunk to the rear housing.
- Shape of the main housing is designed to prevent debris accumulation and is a bird nesting deterrent. Back and main housings are designed to hinge open for easy mounting and easy access.

LED/Optics:

- Optical one piece cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Die cut silicone foam gasket ensures a weather-proof seal around each individual LED.
- Optics are held in place without the use of adhesives.
- Cartridge assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), or 347V or 480V input.
- Power factor is $\geq .90$ at full load.
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard.

- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600 VAC at 50°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Surge protection - 20kA.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

Installation:

- Arm mount for attachment to round or square pole.
- Slip fitter or adjustable knuckle fits 2 3/8" arm or tenon.
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31.

Finish:

- IFS polyester powder-coat electro-statically applied and thermocured.
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Listings:

- The luminaire shall be NRTL certified to UL 1598 and 8750 standards for use in wet locations.
- This product is approved by the Florida Fish and Wildlife Conservation Commission.

Warranty:

Five year limited warranty

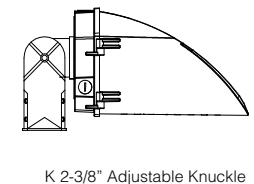
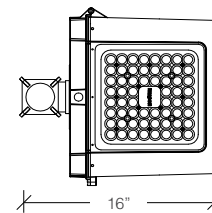
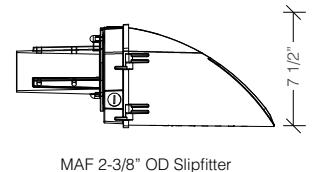
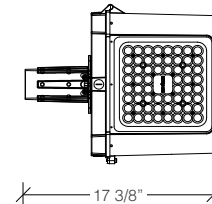
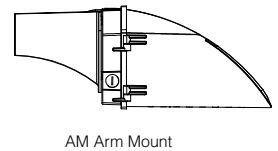
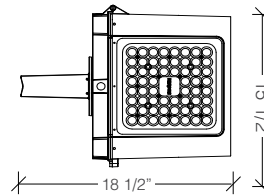
PRODUCT IMAGE(S)



DIMENSIONS

Weight:
 25.0 lbs
 (11.3 kg)

EPA
 0.8 ft²



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only

DATE:	LOCATION:
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ORDERING INFORMATION ORDERING EXAMPLE: CRZ/60L-105/AM/2/UNV/AM/BLT

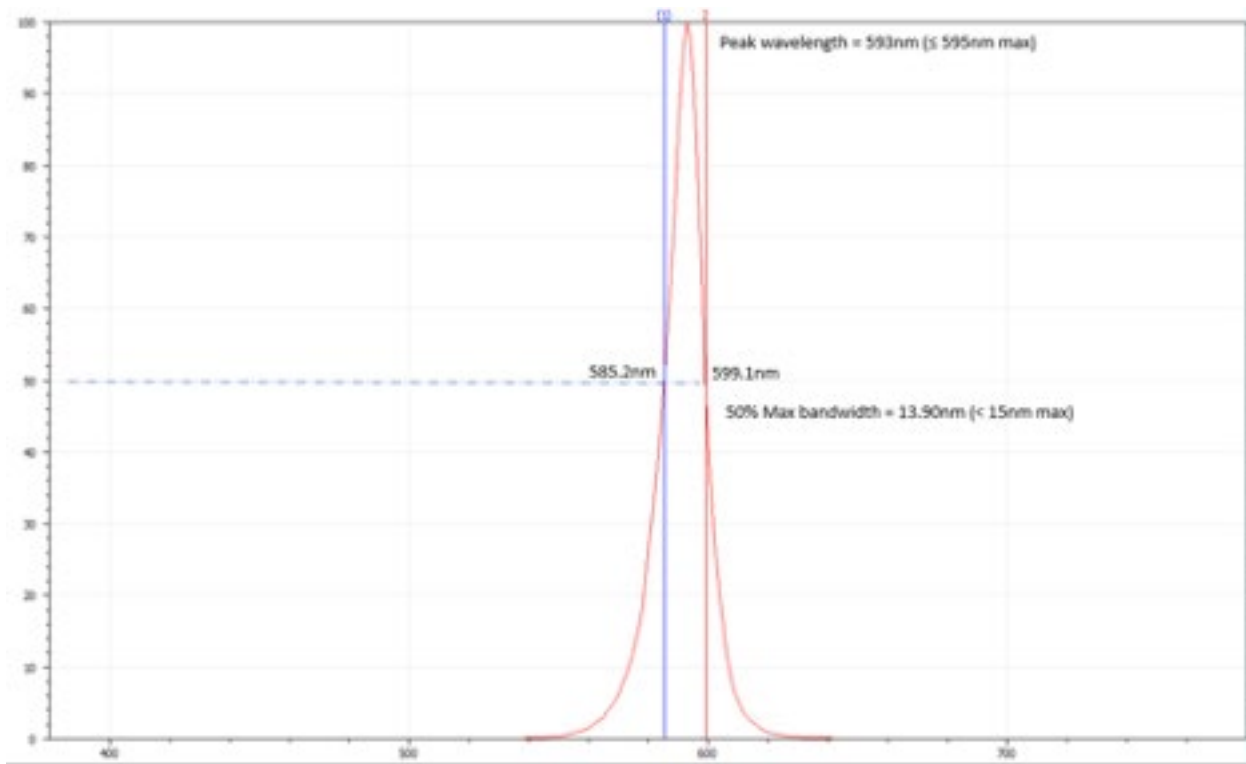
CRZ								
SERIES	ENGINE-WATTS	CCT		VOLTAGE		MOUNTING OPTIONS		COLOR
CRZ Cruiser	24L-45 45W, LED array	AM Amber		UNV 120-277V		MAF mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm knuckle (formerly PK2) limit to 45 tilt or 2-3/8" OD horizontal arm or vertical tenon		BLT Black Matte Textured
	36L-65 65W, LED array			347 347V		K		BLS Black Gloss Smooth
	48L-80 80W, LED array			480 480V		AM arm mount		DBT Dark Bronze Matte Textured
	60L-105 105W, LED array							DBS Dark Bronze Gloss Smooth
		OPTICS		ELECTRICAL OPTIONS				GTT Graphite Matte Textured
		2 type II		PEC-120 photocell, button 120V				LGS Light Grey Gloss Smooth
		3 type III		PEC-208 photocell, button 208V				PSS Platinum Silver Smooth
		4 type IV		PEC-240 photocell, button 240V				WHT White Matte Textured
		4W type IV, wide		PEC-277 photocell, button 277V				WHS White Gloss Smooth
		5R type V, rectangular						VGT Verde Green Textured
		5W type V, round wide						COLOR OPTION
						SHIELD OPTIONS		CC Custom Color
						BC Backlight control (available for FR, 2, 3, 4, 4W optics)		
						90 90° house side shield		
						270 270° house side shield		
						360 360° house side shield		

PERFORMANCE DATA

			AMBER (1400K)					
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW	B	U	G
24	700mA	45W	2	1274	28	0	0	0
			3	1250	28	0	0	1
			4	1229	27	0	0	1
			4W	1202	27	0	0	1
			5R	1260	28	1	0	1
			5W	1345	30	1	0	0
36	700mA	45W	2	1911	29	0	0	0
			3	1875	29	0	0	1
			4	1843	28	0	0	1
			4W	1803	28	0	0	1
			5R	1890	29	1	0	1
			5W	1842	28	1	0	1
48	700mA	45W	2	2548	30	1	0	1
			3	2500	29	1	0	1
			4	2458	29	0	0	1
			4W	2404	28	0	0	1
			5R	2520	30	1	0	1
			5W	2455	29	2	0	1
60	700mA	45W	2	3186	30	1	0	1
			3	3123	29	1	0	2
			4	3072	29	0	0	1
			4W	3006	28	1	0	1
			5R	3150	29	2	0	2
			5W	3072	29	2	0	1

TURTLE FRIENDLY COMPLIANT

AMBER Spectral Chart



Narrow-Spectrum Amber LED's

Peak Wavelength = 593 nanometers (≤ 595 nm max) and a 50% maximum bandwidth = 13.90 nm, not greater than 15 nanometers