Aeroform Round & Square Bollards ThermaLED Technology

12802 Commodity PL
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ECAFRB20Q ECAFSB20Q

BUY AMERICAN ACT COMPLIANT

L70 (25°C) 187,000 Hours

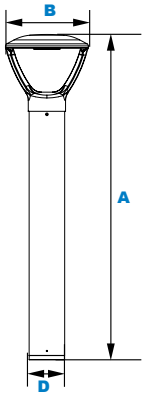
Shown with GFCI

The Eco-Revolution ECAFRB20Q & ECAFSB20Q ThermaLED Aeroform Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID lighting systems up to 70w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:	Extruded Aluminum Housing with Flush Mounting Base, Sand Cast Twin Arm Head, Sealed Driver Compartment.
Listing & Ratings:	ETL: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.
Finish:	Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
Lens:	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.
Mounting Options:	Mounting Kit with 8″ Anchor Bolts, Included.
ThermaLED LED:	Aluminum Boards
Wattage:	12w: Array 11.8, System 12.9; (70w HID Equivalent) 17w: Array: 16.5w, System: 18.1w; (70w HID Equivalent) 25w: Array 24.8w, System 27.1w; (70w HID Equivalent)
Driver:	Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
Controls:	Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Eco-Revolution Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.
Warranty:	5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.



Dimensions	
Width (B)	11″ (280mm)
Diameter (D)	4¾″ (120mm)
Height (A)	42″ (1,067mm)

Certification & Listings:

ETL Intertek Listed c US · IP66 · soft LED

Project Information:

Project Name: | Fixture Type:

Complete Catalog #: | Date:

Comments:

5 Locations: Tampa, FL · Vancouver, WA · Cerritos, CA · Walden, NY · Memphis, TN

Specifications subject to change without notice. Rev. 021624

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Order Information Example: ECAFRB20QF1X125U5KLBGF1

	F				L			
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Height**	**Options**
ECAFRB20Q = ThermaLED Aeroform Round Bollard **ECAFSB20Q** = ThermaLED Aeroform Square Bollard	**F**=Wide Beam Spread	**1X12**=12w **1X17**=17w **1X25**=25w	**U**=120-277V **C**=347V* ***17w Model Only.**	**3K**=3000K **4K**=4000K **5K**=5000K	**L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens	**Z**=Bronze **B**=Black **C**=Custom (Consult Factory)	**(Leave Blank)**= 42″ Standard Height **36**=36″ Height **30**=30″ Height	**GF1**=GFCI Outlet, 15A, 120V **S5**=Internal Microwave Sensor* ***120-277V Models Only.**

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

ECBREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Eco-Revolution Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H

*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

ECBREBASE*

***Shown Mounted**

Accessories (Order Separately, Field Installed)

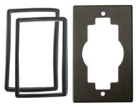
ECP17126	Remote Programming Tool for ECP17125

ECP17126

Replacement Parts (Order Separately, Field Installed)

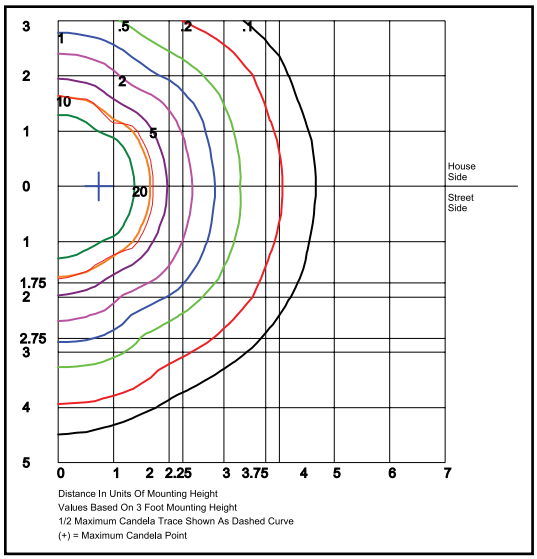
ECP17125	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See ECP17125 Spec. Page for Details.
ECBOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits Eco-Revolution Round Bollards. Die Cast with Bronze Powdercoat Finish.

ECP17125

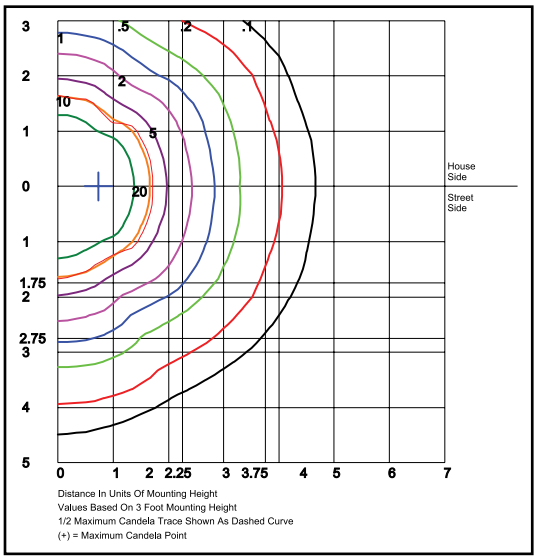


ECBOADP1

Photometric Data



ECAFRB20QF1X25U5KL
Type V
Grid in feet, Mounting Height=3.5ft



ECAFSB20QF1X25U5KL
Type V
Grid in feet, Mounting Height=3.5ft

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Photometric Performance

	Wattage (Catalog Logic)	12W (1X12)	17W (1X17)	25W (1X25)
	Input Watts	12.9W	18.1W	27.1W
Optic	CCT	Delivered Lumens		
ECAFRB20Q & ECAFSB20Q Type V Optic	3000K	1,403	1,964	2,946
	4000K	1,516	2,123	3,184
	5000K	1,580	2,212	3,318
	BUG Rating	B1-U1-G0	B1-U1-G0	B2-U1-G0

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
ECAFRB20 L70 Lumen Maintenance @ 25°C / 77°F	18	1.00	0.96	0.92	0.84	187,000
ECAFRB20 L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
ECAFRB20 L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.97	0.93	0.86	144,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.