

ECWM12Q AmberLED

AmberLED Small Wilmington Post Top



12802 COMMODITY PL
TAMPA, FL 33626
PHONE: 844-636-2036
SALES@ECO-REVOLUTION.COM

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A QSSI COMPANY SINCE 1985

L70
(25°C) **187,000 Hours**



ECWM12Q
AmberLED Small Wilmington
Round Post Top



ECWMLS12Q
AmberLED Small
Wilmington Wall
Mount



ECWMP12Q
AmberLED Small Wilm-
ington Pendant Mount

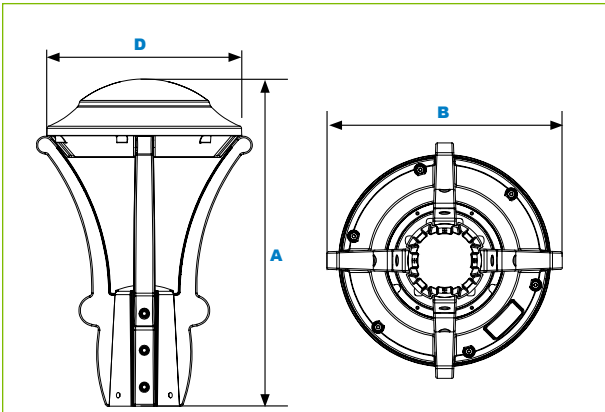
The Eco-Revolution ECWM12Q Small Wilmington Architectural Decorative Post Top is available in Type II, III, IV or V distributions designed for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

Housing:	Die Cast Aluminum Housing, Integral Heat Sinking. Photocell Adaptable.
Listing & Ratings:	ETL: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.
Finish:	Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
Lens:	Clear UV-Stabilized Polycarbonate Vandal-Resistant Array Lens with Integral Optics. Gasketed to Seal LED Array.
Mounting:	Post Top Accommodates "P3" 2 1/4" O.D. x 3" Tenon, Wall Mount Includes Cast Aluminum Arm (Wall Attachment Hardware NOT Included, Must be Selected and Provided By Contractor), and Pendant Mount Includes 15" Swivel Stem for Mounting on Flat or Sloped Ceilings.
AmberLED:	Aluminum Boards
Wattage:	19w Array: 19w, System: 21.4w; (70w HID Equivalent)
Driver:	Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (28w Model Only); 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 Photocell or 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.

Specifications and Features:

See Page 4 for Projected Lumen Maintenance Table.

Certification & Listings:



Dimensions

Diameter (D)	10 1/2" (264mm)
Height (A)	17 1/2" (445mm)
Width (B)	11 1/2" (294mm)

Project Information:

Project Name: _____

Complete Catalog #: _____

Comments: _____

Fixture Type: _____

Date: _____

5 LOCATIONS
Tampa, FL
Vancouver, WA
Cerritos, CA
Walden, NY
Memphis, TN

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Order Information Example:		ECWM12QF1X19UAMCBR7					
Model	Optics	1X19	Driver	AM	C	Color	Options
ECWM12Q =AmberLED Small Wilmington Post Top ECWMWS12Q =AmberLED Small Wall Mount Wilmington ECWMP12Q =AmberLED Small Pendant Mount Wilmington	B =Type II C =Type III D =Type IV F =Type V	1X19=19w	U =120-277V H =347-480V	AM=1400K	C=Clear UV-Stabilized Polycarbonate Array Lens	B =Black C =Custom (Consult Factory)	P2AB =ECPSTRN Tenon Adaptor, Black P2AC =ECPSTRN Tenon Adaptor, Custom Color (Consult Factory) SF =Single Fuse* DF =Double Fuse* SP =Surge Protection (10kV 120-277V) R3 =3-Pin Twist Lock Photocell Receptacle R5 =5-Pin Twist Lock Photocell Receptacle R7 =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle S5 =Microwave Sensor with Dimming for Mounting Heights of 8' to 26' * BU =Battery Backup, 90 Minutes* BUc =Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
ECPSTRN* Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2 1/2" x 4" Pole Tenon to a 2 1/8" x 3" Tenon. *Specify Color: B=Black, C=Custom (Consult Factory)	ECP18131 Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum. ECP18132 Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten. ECP18140 110-120VAC Instant Twist Lock Photocell ECP18152 277VAC Time Delay Twist Lock Photocell ECP18156 120-277VAC Universal Twist Lock Photocell ECP18157 480VAC Time Delay Twist Lock Photocell. For 480V use only. ECP17126 Remote Programming Tool for ECP17125	ECPK3415 Pendant Mount Kit Includes Top & Bottom Cover, Brackets, 3/4" Dia X 15" L Downrod, and Hardware. Powdercoat Finish ECP17125 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 26'. 120-277VAC, 50/60Hz For Replacement Battery Backup, see the Eco-Revolution LED Battery Backup Specification Sheet.
 <p>ECPSTRN</p>	 <p>ECP18131 ECP18132 ECP18140 ECP18152 ECP18156 ECP18157 ECP17126</p>	 <p>ECPK3415 ECP17125</p>

Effective Projected Area (EPA)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	0.8	14 Lbs

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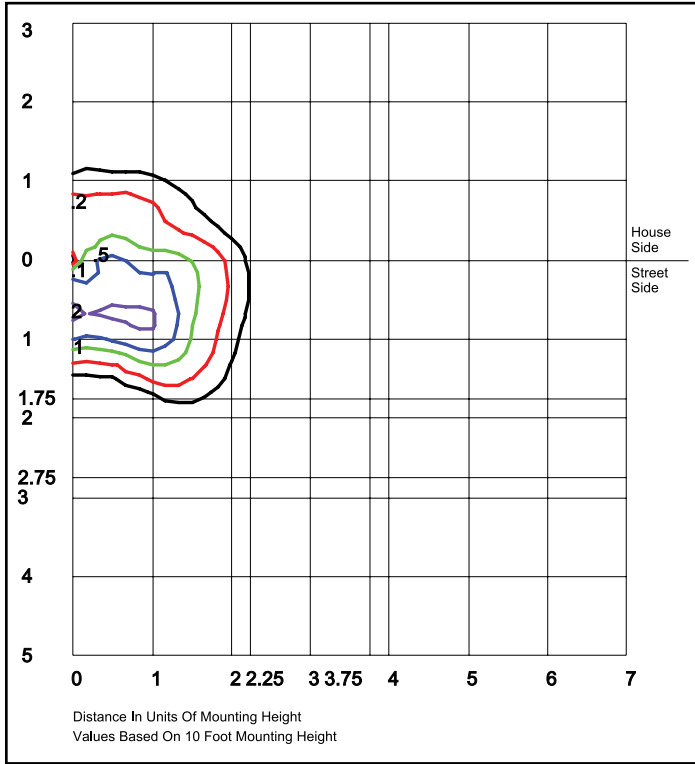
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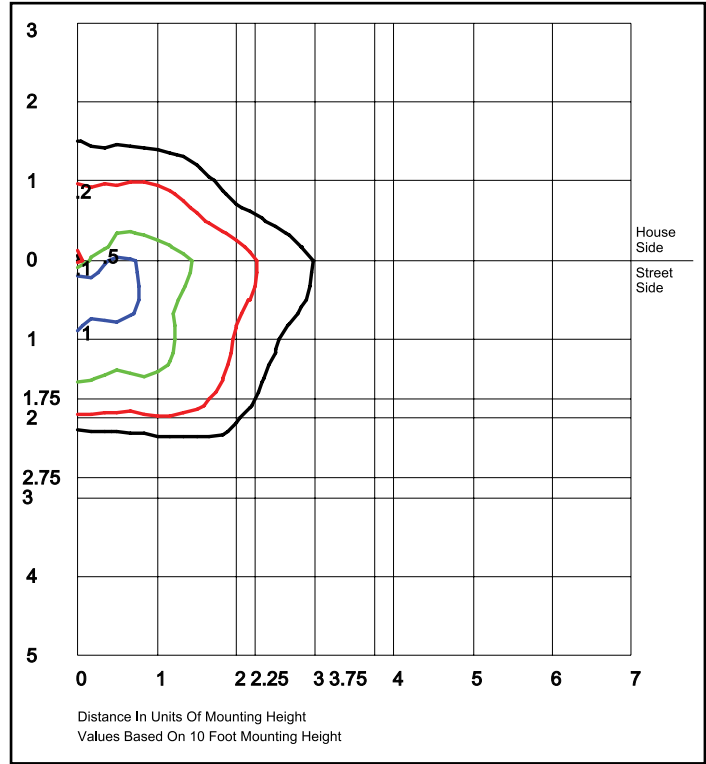
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Photometric Data



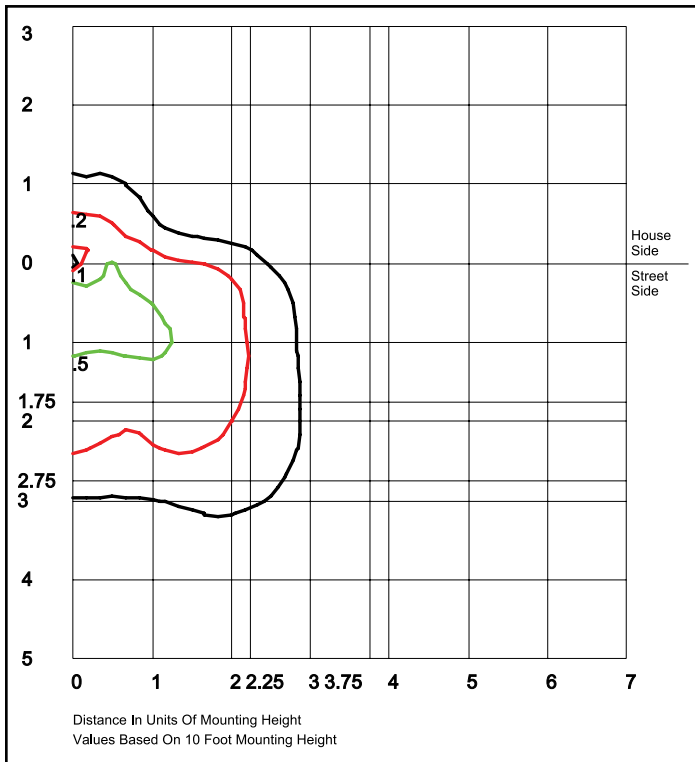
ECWM12QB1X19WUAM
Type II

Grid in MH
MH=10 Feet



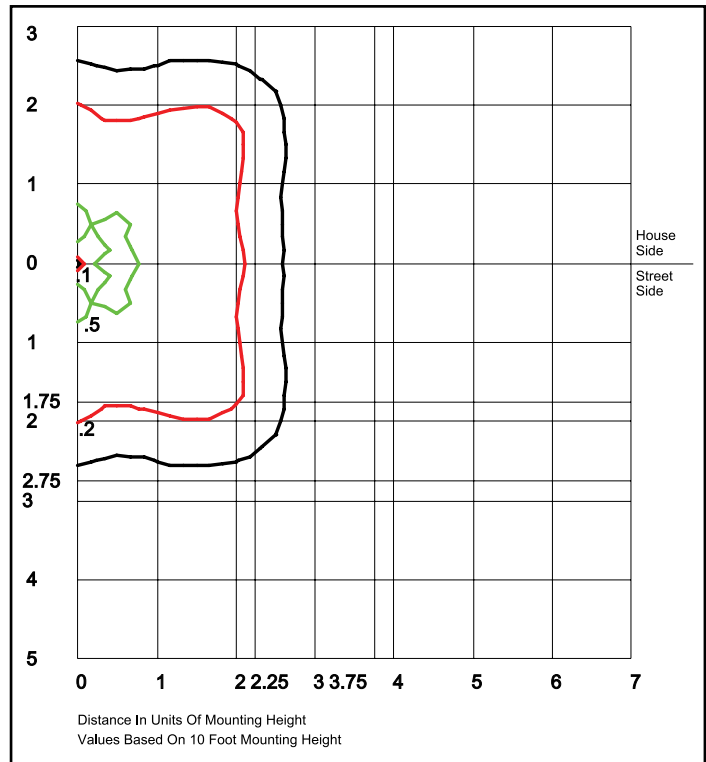
ECWM12QC1X19WUAM
Type III

Grid in MH
MH=10 Feet



ECWM12QD1X19WUAM
Type IV

Grid in MH
MH=10 Feet



ECWM12QF1X19WUAM
Type V

Grid in MH
MH=10 Feet

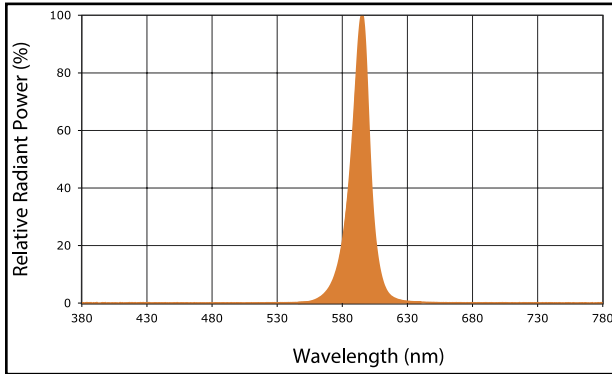
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Spectral Chart



Photometric Performance

Optic	CCT	Delivered Lumens
Wattage (Catalog Logic)		19w (1X19)
Input Watts		21.4w
ECWM12Q B=Type II Open	Amber	727
	BUG Rating	B0-U0-G0
ECWM12Q C=Type III Open	Amber	765
	BUG Rating	B0-U0-G0
ECWM12Q D=Type IV Open	Amber	757
	BUG Rating	B0-U0-G1
ECWM12Q F=Type V Open	Amber	801
	BUG Rating	B0-U0-G0

Projected Lumen Maintenance

Data shown for Amber LEDs	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	21.4w	1.00	0.96	0.92	0.84	187,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
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.