

# Round & Square Low COB Technology Profile Pathway Bollards



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A QSSI COMPANY SINCE 1985

Order Information Example: ECNB1C34X5U41KZ10SF

Model	Wattage	Driver	CCT	Color	Height	Options
<b>ECNB1C3</b> =Round Low Profile Pathway Bollard <b>ECNB2C3</b> =Square Low Profile Pathway Bollard	4X5=20w	U=120-277V C=347V	41K=4100K	Z=Bronze B=Black C=Custom (Consult Factory)	10=10" C=Custom*  *Consult factory. Minimum NEC requirements for wiring space and above ground level must be met.	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection



ECNB1C3 - Round Low Profile Pathway Bollard



**L70**  
(25°C) **106,000 Hours**



ECNB2C3 - Square Low Profile Pathway Bollard

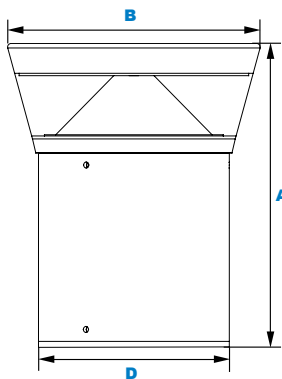
The Eco-Revolution ECNB1C3 and ECNB2C3 LED Low Profile Pathway Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace incandescent and halogen pathway lighting. These fixtures are ideal for retail centers, parks, schools and universities, public transit and airports, office buildings and medical facilities.

## Specifications and Features:

<b>Housing:</b>	Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top, Internal Driver Tray for Easy Maintenance.
<b>Listing &amp; Ratings:</b>	CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.
<b>Finish:</b>	Textured Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
<b>Reflector:</b>	Reflective White UV-Stabilized Polycarbonate Cone Reflector
<b>Lens:</b>	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens
<b>Mounting Options:</b>	Mounting Kit with 8" Anchor Bolts, Included.
<b>COB LED:</b>	Cool Copper COB
<b>Wattage:</b>	Array: 20w, System: 20w; (70w HID Equivalent)
<b>Driver:</b>	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.
<b>Warranty:</b>	5-Year Warranty for -20°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

## Certification & Listings:



### Dimensions

<b>Width (B)</b>	9 1/4" (234mm)
<b>Diameter (D)</b>	7" (180mm)
<b>Height (A)</b>	10" (254mm)

### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

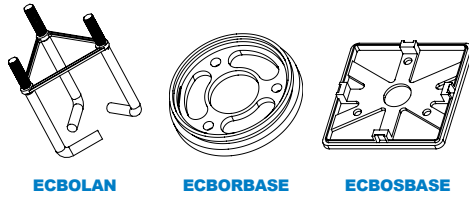
**5 LOCATIONS**  
Tampa, FL  
Vancouver, WA  
Cerritos, CA  
Walden, NY  
Memphis, TN

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## Accessories & Replacement Parts:

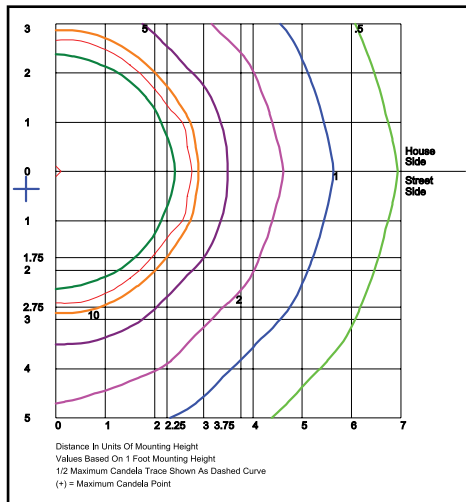


Mounting Accessories (Order Separately, Field Installed)	
ECBOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts
ECBOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts
ECBOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts
ECBOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Anchor Bolts

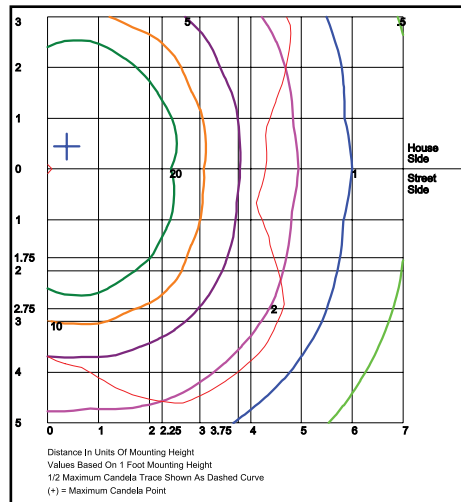
Replacement Parts (Order Separately, Field Installed)	
ECBORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits ECNB1.
ECBOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits ECNB2.

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

## Photometric Data



**ECNB1C34X5U41K**  
Grid in feet, Mounting Height=1ft.



**ECNB2C34X5U41K**  
Grid in feet, Mounting Height=1ft.

## Photometric Performance

LED COB Watts	Drive Current (mA)	Input Watts	Bollards	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
COB LED 20w	350	20	ECNB1C3 (Round Low Profile Pathway Bollards)	2,282	87	1	0	1
			ECNB2C3 (Square Low Profile Pathway Bollards)	2,409	91	1	0	1

## Projected Lumen Maintenance

Data shown for 4100 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
<b>ECNB1C3 L70 Lumen Maintenance @ 25°C / 77°F</b>	20	1.00	0.93	0.86	0.72	106,000
<b>ECNB2C3 L70 Lumen Maintenance @ 25°C / 77°F</b>	20	1.00	0.93	0.86	0.72	106,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
<b>ECNB1C3 L70 Lumen Maintenance @ 50°C / 122°F</b>	20	1.00	0.91	0.83	0.66	88,000
<b>ECNB2C3 L70 Lumen Maintenance @ 50°C / 122°F</b>	20	1.00	0.91	0.83	0.66	88,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
<b>ECNB1C3 L80 Lumen Maintenance @ 40°C / 104°F</b>	20	1.00	0.92	0.84	0.67	61,000
<b>ECNB2C3 L80 Lumen Maintenance @ 40°C / 104°F</b>	20	1.00	0.92	0.84	0.67	61,000

### NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 350mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.