



Wellworth Cobra



Manufactured in U.S.A.
Per Buy American Act 41U.S.C.



*Protected by U.S. Patents No. D636,526; D636,518; D638,162. Additional Patents Pending



Description

- Series: ECHUS-DC
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Voltage: 24V
- Applications: Freeway, highway, secondary roads
- EPA: 1.6ft²
- Warranty: 10 Year Limited

Specifications and Patented Features

- Bi-Level Ballast dims to 40% power for additional energy savings
- Specular reflector optimized for induction lamp geometry
- Integrated heat sink system for extended life
- Acrylic lens with Type III, medium throw prescription
- Full cutoff heavy duty aluminum/hybrid interior design with increased durability for harsh environments
- Excellent vibration & shock resistance
- Fixture body 80% recycled polycarbonate resin

Ordering Information

Series

ECHUS-DC — — — **24V** — — —

Wattage

40W
70W
100W

Bi-Level

X—None
BL*

Color Temp

50—5000K
40—4000K*

Mounting Hardware

X—None
EMH-CHC*
EMH-SSM*

Photo Cell

TL—Twist Lock
BPC—Blank*

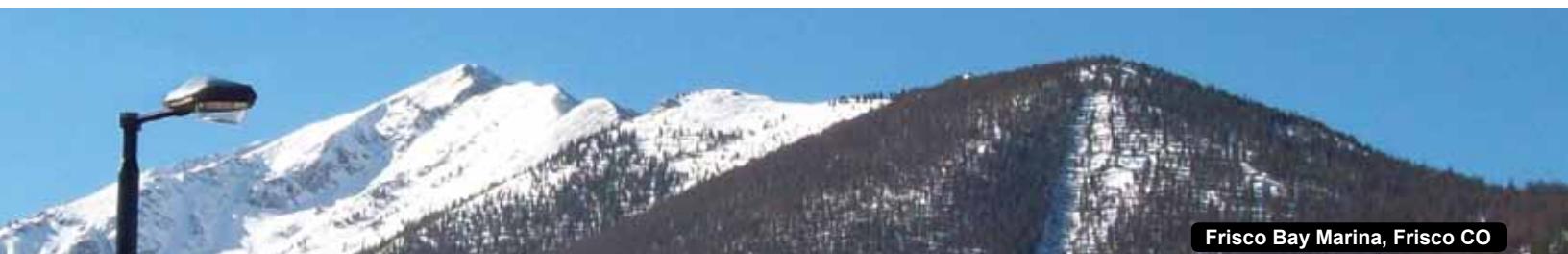
Bold = Standard

Grey * = Upgrade options available upon request

Blue = Bi-Level Wattage Options

Example: **ECHUS-DC-70-BL-24V-50-TL-X**

Application Image

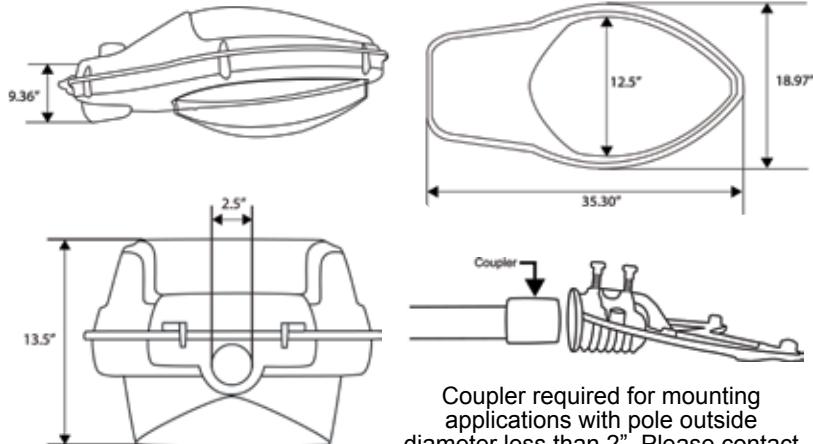


Frisco Bay Marina, Frisco CO

Call Toll Free: 888-383-7578

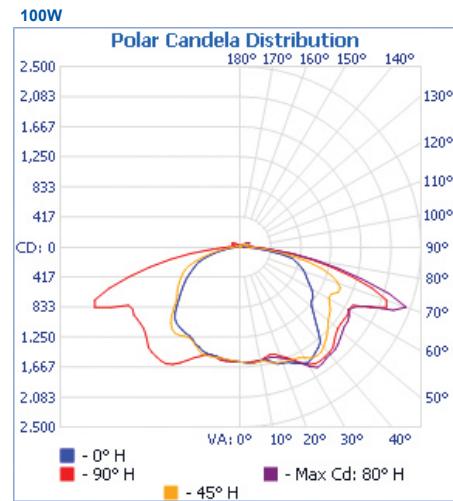
www.everlastlight.com

Dimensions



Coupler required for mounting applications with pole outside diameter less than 2". Please contact EverLast® for more information.

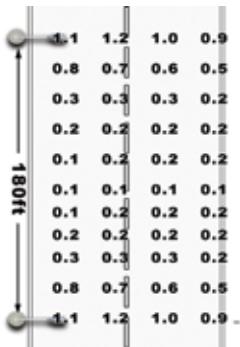
Photometric Data



Recommended Roadway Lighting

IES Recommended Spacing	100W
Local	350'
Collector	220'
Major	140'
Expressway/Freeway A	100'
Freeway B	150'

Grid Statistics	100W
Average	0.4fc
Max	1.2fc
Min	0.1fc
Max/Min	12.0
Avg/Min	4.0



Lamp Specifications

Wattage	Lumens	L/W Ratio	CRI	CCT (KELVIN)	Rated Life
40W	3,350	84	82-85	5000	100,000 hours
70W/28W	5,900/2,400	84	82-85	5000	100,000 hours
100W/40W	8,400/3,400	84	82-85	5000	100,000 hours

Ballast Specifications

System Wattage	Input Voltage	Input Current	Input Freq.	Power Factor	Ambient Temp	THD
44W	120-277V/480V*	0.38-0.17A / 0.10A	50/60Hz	>0.95	-40 to 130 F°	<10%
78W/ 82.6 / 36.9 dimmed	120-277V/480V*	0.63-0.29A / 0.16A	50/60Hz	>0.95	-40 to 130 F°	<10%
111W/ 118.0 / 58.5 dimmed	120-277V/480V*	0.93-0.42A / 0.22A	50/60Hz	>0.95	-40 to 130 F°	<10%