



Wellworth Cobra



Description

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

Specifications and Patent Pending Features

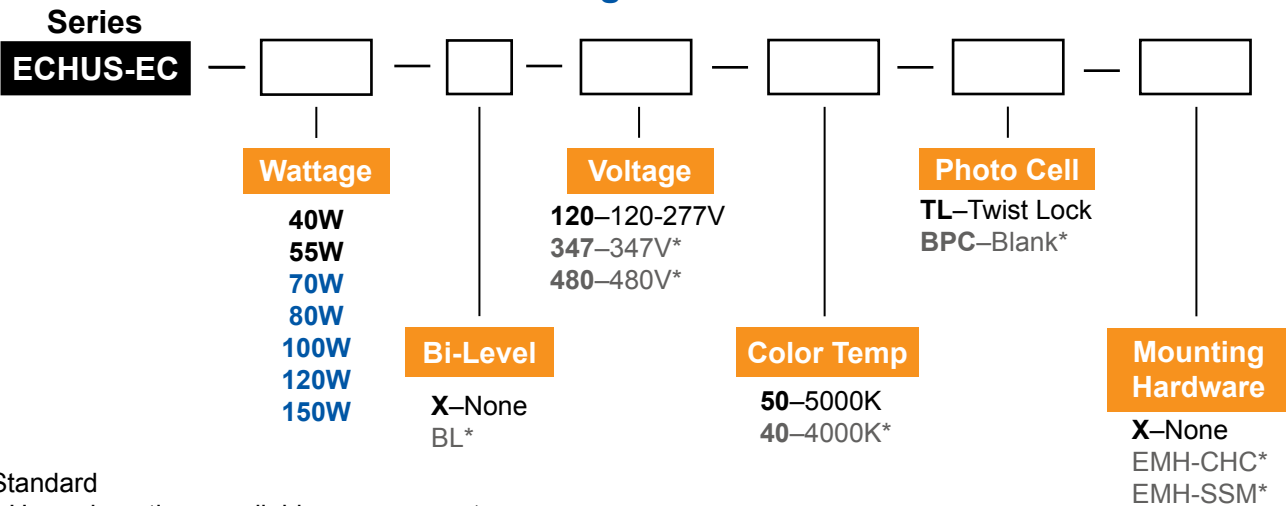
- Bi-Level Ballast option dims to 40% power for additional energy savings
- Specular reflector optimized for induction lamp geometry
- Integrated heat sink system for extended life
- Acrylic lens with Type III, medium throw prescription
- Full cutoff heavy duty aluminum/hybrid interior design with increased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



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

Ordering Information



Bold = Standard

Grey * = Upgrade options available upon request

Blue = Bi-Level Wattage Options

Example: **ECHUS-EC-70-BL-120-50-TL-X**

Application Image



MDOT I-94 Installation, Detroit, MI

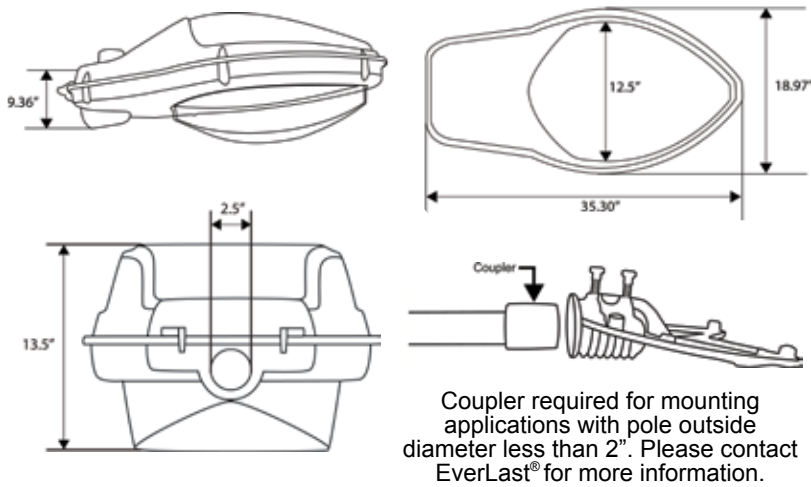
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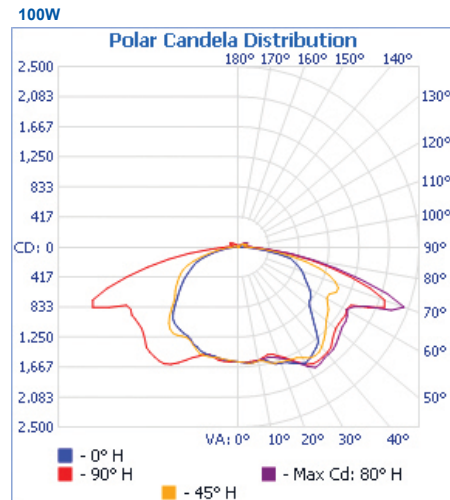
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Dimensions



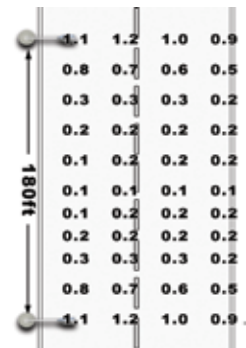
Photometric Data



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
55W	4,650	84	82-85	5000	100,000 hours
70W/28W	5,900/2,400	84	82-85	5000	100,000 hours
80W/32W	7,150/2,900	84	82-85	5000	100,000 hours
100W/40W	8,400/3,400	84	82-85	5000	100,000 hours
120W/48W	10,100/4,100	84	82-85	5000	100,000 hours
150W/60W	12,600/5,100	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%
61W	120-277V/480V*	0.50-0.21A / 0.13A	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%
90W/ 94.4 / 46.9 dimmed	120-277V/480V*	0.70-0.32A / 0.19A	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%
134W 141.6 / 70.1 dimmed	120-277V/480V*	1.05-0.46A / 0.28A	50/60Hz	>0.95	-40 to 130 F°	<10%
165W/ 166.0 / 85.0 dimmed	120-277V/480V*	1.35-0.61A / 0.35A	50/60Hz	>0.95	-40 to 130 F°	<10%

*Legal Notice: Full Spectrum Solutions owns proprietary rights in the EverLast® Series of fixtures in the form of U.S. Patents No. D636,526; D636,518; D638,162 Additional Patents Pending.

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