

Wellworth Cobra



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

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



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

Ordering Information

Series

ECHUS-EC — — — — — —

Wattage

40W
55W
70W
80W
100W
120W
150W

Voltage

120-120-277V
347-347V*
480-480V*

Bi-Level

X-None
BL*

Photo Cell

TL-Twist Lock
BPC-Blank*

Color Temp

50-5000K
40-4000K*

Mounting Hardware

X-None
EMH-CHC*
EMH-SSM*

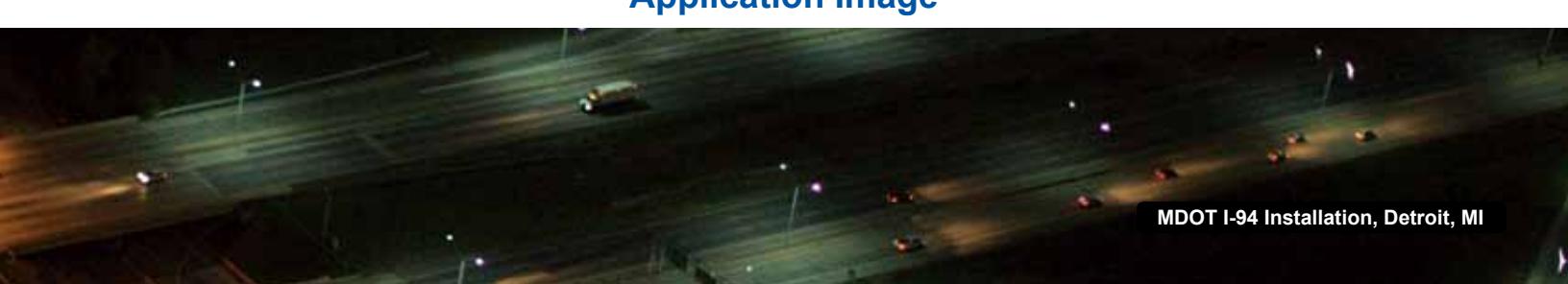
Bold = Standard

Grey * = Upgrade options available upon request

Blue = Bi-Level Wattage Options

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

Application Image

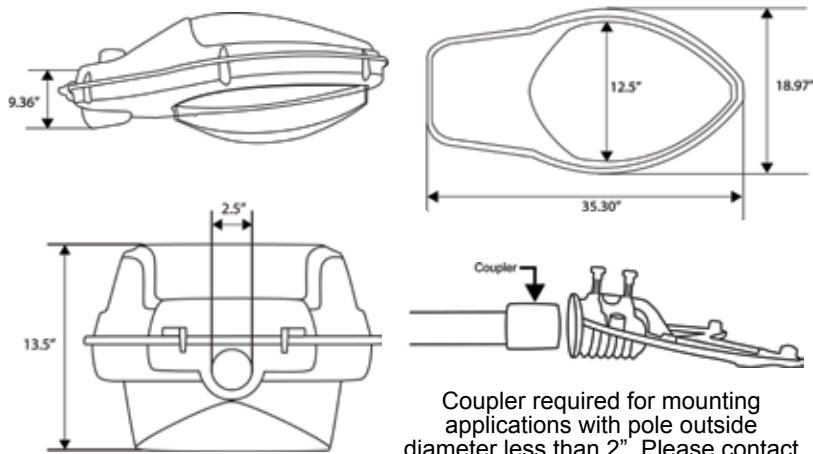


MDOT I-94 Installation, Detroit, MI

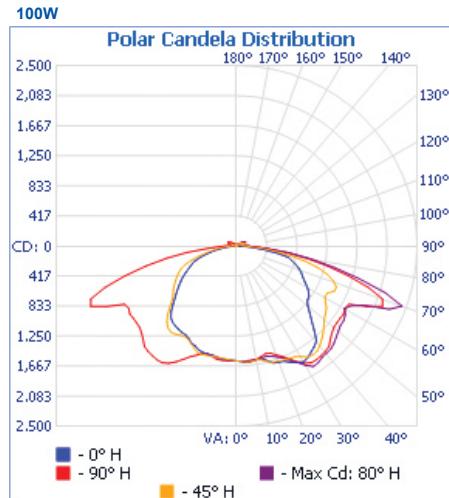
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Dimensions



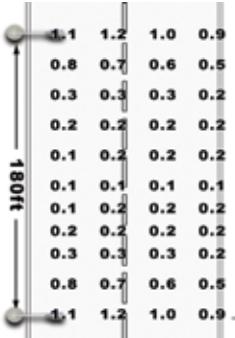
Photometric Data



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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