EverLast® Smart Light Series

Patent Pending Induction Type III Cobra Head Roadway Fixture

EverLast® Smart Light Fixtures incorporate step-dimming and on/off sensor controls for increased pedestrian safety and unmatched energy savings.

- **Lamp Rating:** 100,000 Hours for enhanced safety and maintenance
- **Lumen Maintenance:** 70% over 100,000 Hours
- **Step-dimming** ballast option dims to 50% power for increased energy savings
- **Automatic on/off** control with twist lock photocell
- **Energy Savings:** 50% - 70% over HPS and HID
- **IP Rating:** IP65
- **Light Output:** 5000K, 85 CRI
- **Voltage:** 120-277 Standard, 347 and 480 volt available
- **Applications:** Freeway, secondary roads, off street areas and parking lots
- **Warranty:** 10 year warranty (see terms and conditions)

Lamp Specifications

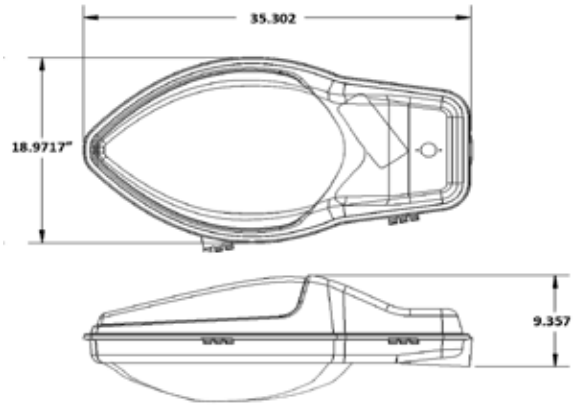
Wattage	Lumens	CRI	CCT (KELVIN)	Rated Life
ECHUS-EC-40W	3,350	>85	5000	100,000 hours
ECHUS-EC-70W	5,900	>85	5000	100,000 hours
ECHUS-EC-100W	8,400	>85	5000	100,000 hours
ECHUS-EC-120W	10,100	>85	5000	100,000 hours

Ballast Specifications

System-Wattage	Input Voltage	Input Current	Input Freq.	Power Factor	Ambient Temp	THD
44W	120-277V/480V	0.37-0.16A	50/60Hz	>0.95	-40 to 130 F°	<10%
78W	120-277V/480V	0.63-0.29A	50/60Hz	>0.95	-40 to 130 F°	<10%
111W	120-277V/480V	0.93-0.42A	50/60Hz	>0.95	-40 to 130 F°	<10%
134W	120-277V/480V	1.05-0.46A	50/60Hz	>0.95	-40 to 130 F°	<10%

EverLast® Smart Light Series Physical Specifications

- Specular reflector optimized for induction lamp geometry
- Integrated heat sink system for extended life
- Acrylic lens with Type III, medium throw prescription
- Heavy duty aluminum/hybrid interior design with increased durability for harsh environments
- Fixture body 70% recycled polycarbonate content
- Lamps- 5000K, 85CRI scotopically enhanced white light source for improved vision and color recognition
- Ballast option dims to 50% power on vacancy with automatic on to high level upon occupancy, for significant savings and enhanced security



Legal Notice: Full Spectrum Solutions owns proprietary rights in the EverLast® Smart Light Series of fixtures in the form of pending patent applications in the US and PCT applications for International protection. One or more features of this system may be protected by one or more patent applications. Patent questions can be addressed in writing to the Law offices of: Lowe, Hauptman, Ham & Berner, LLP located at Suite 300, 1700 Diagonal Road, Alexandria, Virginia 22314 -- Patent Attorneys.

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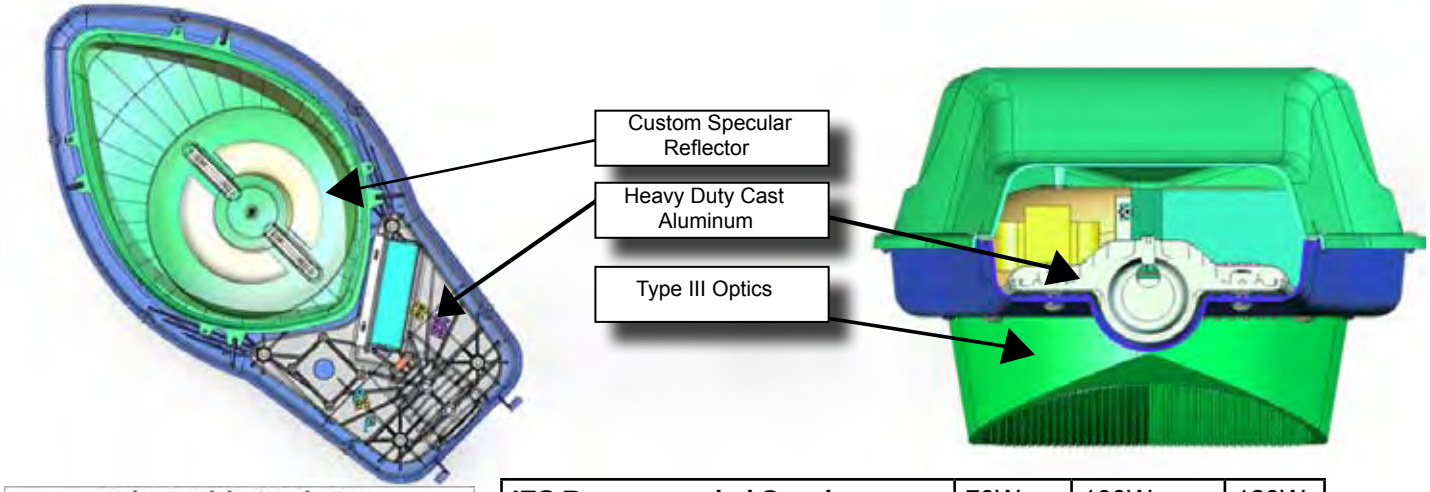
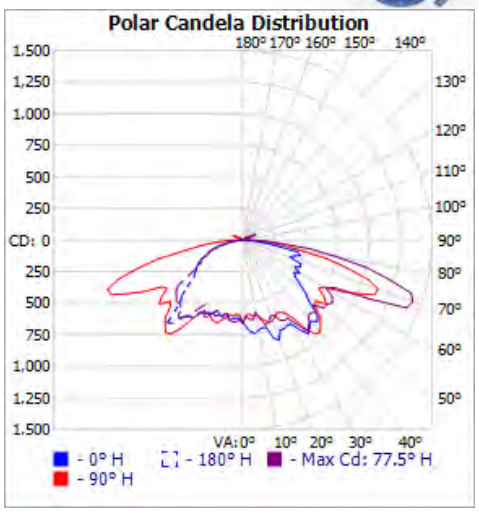
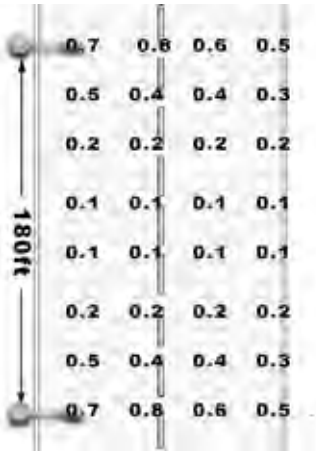




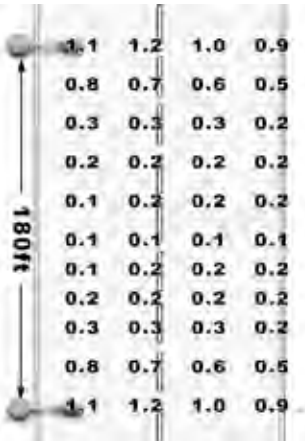
IES Recommended Spacing	70W	100W	120W
Local	280’	350’	430’
Collector	180’	220’	280’
Major	110’	140’	180’
Expressway/Freeway A	70’	100’	120’
Freeway B	110’	150’	180’

Grid Statistics	70W	100W	120W
Average	0.3fc	0.4fc	0.4fc
Max	0.8fc	1.2fc	1.3fc
Min	0.1fc	0.1fc	0.1fc
Max/Min	8.0	12.0	13.0
Avg/Min	3.0	4.0	4

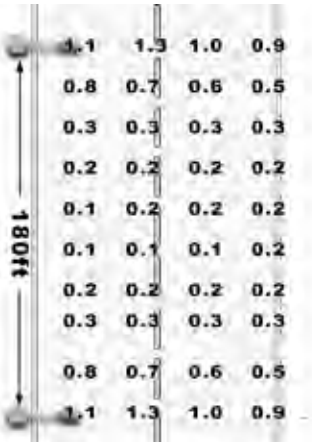
70 Watt EverLast® Cobra Head



100 Watt EverLast® Cobra Head



120 Watt EverLast® Cobra Head



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