



Patent Pending



EverLast® Smart Light Series

Charlevoix Rectangular Cobra (Patent Pending)

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
- **Bi-Level** ballast option dims to 40% 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 and 480 volt optional
- **Applications:** Freeway, secondary roads, off street areas and parking lots
- **Warranty:** 10 year warranty (see terms and conditions)
- **Ballast Type:** Electronic ballast with high power factor

Lamp Specifications

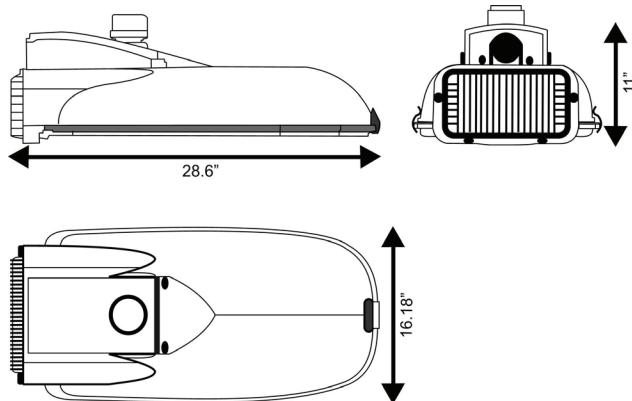
Wattage	Lumens	L/W Ratio	CRI	CCT (KELVIN)	Rated Life
ECHCUS-ED-40W	3,350	84	>85	5000	100,000 hours
ECHCUS-ED-70W	5,900	84	>85	5000	100,000 hours
ECHCUS-ED-100W	8,400	84	>85	5000	100,000 hours
ECHCUS-ED-120W	10,100	84	>85	5000	100,000 hours
ECHCUS-ED-150W	12,600	84	>85	5000	100,000 hours

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	0.70-0.32A	50/60Hz	>0.95	-40 to 130 F°	<10%
134W	120-277V/480V	0.93-0.42A	50/60Hz	>0.95	-40 to 130 F°	<10%
165W	120-277V/480V	1.35-0.61A	50/60Hz	>0.95	-40 to 130 F°	<10%

EverLast® Smart Light Series Physical Specifications

- Specular reflector optimized for induction lamp geometry
- Acrylic lens with Type II full cut off, or Type III cut off
- Die Cast Aluminum housing with weatherproof powder coated finish
- Individual, isolated compartments protect ballast, lamp and slip-fit mounting hardware
- Tool-Less Entry for easy access, with gasket seal for IP65 ingress protection rating
- Housing equipped with engineered bird shield to guard against foreign objects entering the fixture



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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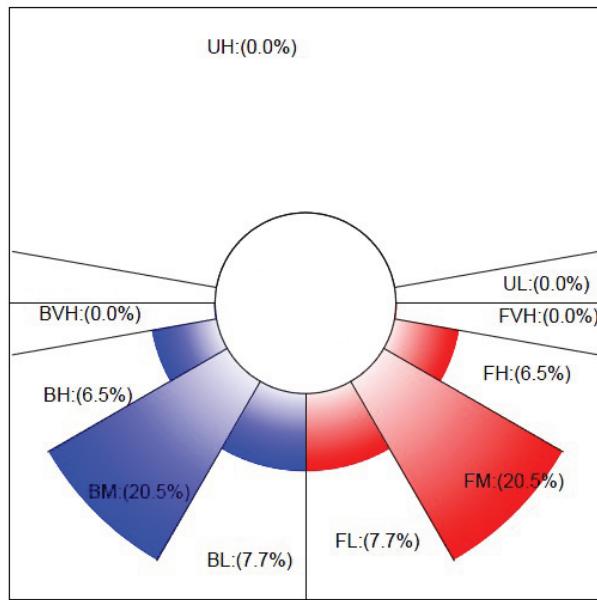
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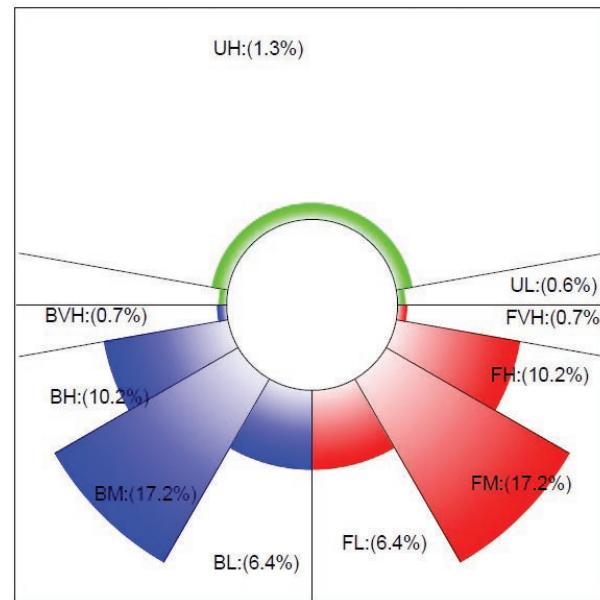
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Type II Full Cut Off Flat Lens
BUG Rating = B2-U1-G1

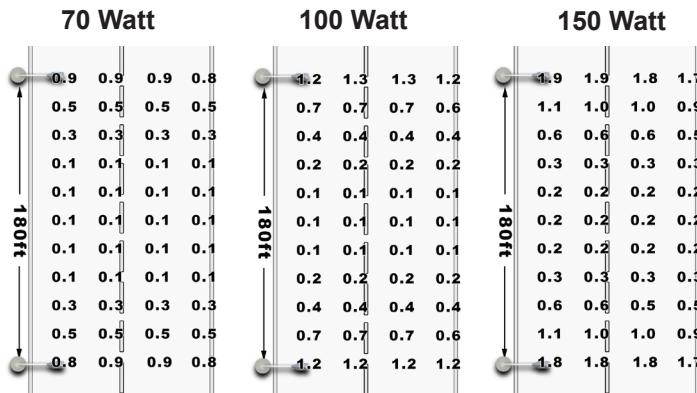
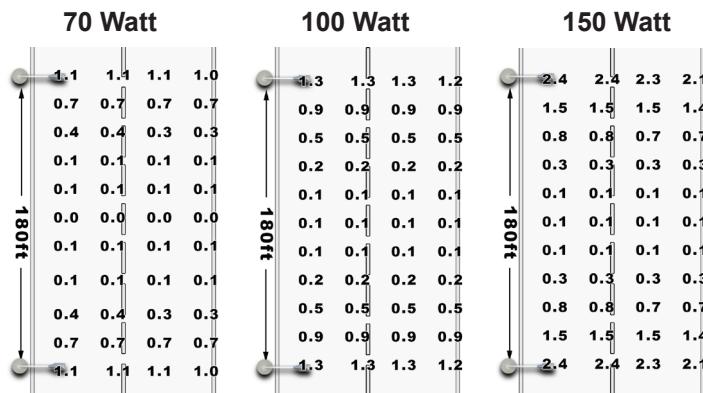


Type III Cut Off Drop Lens
BUG Rating = B2-U2-G2



IES Recommended Spacing	70W	100W	150W
Local	165'	190'	195'
Collector	135'	150'	170'
Major	90'	100'	135'
Expressway/Freeway A	65'	95'	110'
Freeway B	105'	140'	155'

IES Recommended Spacing	70W	100W	150W
Local	265'	325'	400'
Collector	180'	200'	300'
Major	110'	130'	200'
Expressway/Freeway A	100'	100'	140'
Freeway B	110'	150'	170'



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