

Incredible **100,000 hrs**

## GENERAL DESCRIPTION

Neptun's Induction Shuttle cobra head fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 89 series street light fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. It can replace existing HID & HPS fixtures up to 400W.

## APPLICATION

- Street Lighting
- Alley Lighting
- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Walkway Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered glass lens.
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark grey finish (custom colors available).
- Toolless entry housing for easy installation and maintenance.
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, low THD electronic ballast with surge protection.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

## ORDERING INFORMATION

Sample Number: 89080-UNV-850-LD-DGRY  
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
89 = Shuttle Cobra Head	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W 200 = 200 W 250 = 250 W	UNV = Universal	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Twistlock Photocell* SC = Shorting Cap * Fixture ships photocell installed	DGRY = Dark Grey * Custom Colors Available



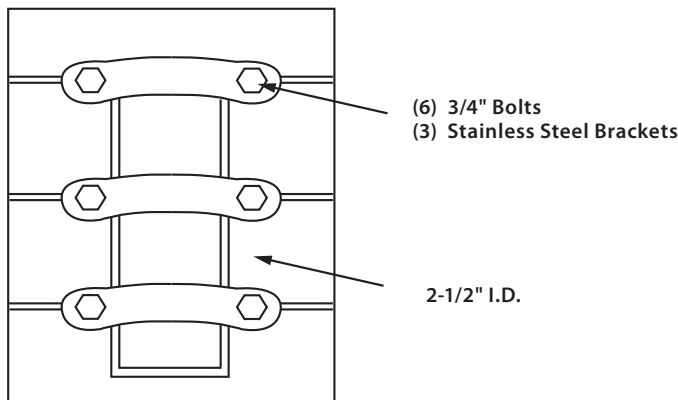
### PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
89080-UNV	Shuttle Cobra Head Fixture	80	82	6,400	120-277	0.69-0.30	<10%	0.98	25 lbs
89100-UNV	Shuttle Cobra Head Fixture	100	105	8,000	120-277	0.87-0.37	<10%	0.98	25 lbs
89120-UNV	Shuttle Cobra Head Fixture	120	125	9,600	120-277	1.05-0.45	<10%	0.98	25 lbs
89150-UNV	Shuttle Cobra Head Fixture	150	158	12,000	120-277	1.31-0.56	<10%	0.98	26 lbs
89200-UNV	Shuttle Cobra Head Fixture	200	210	16,000	120-277	1.75-0.75	<10%	0.98	26 lbs
89250-UNV	Shuttle Cobra Head Fixture	250	262	20,000	120-277	2.18-0.94	<10%	0.98	26 lbs

### SPECIFICATIONS

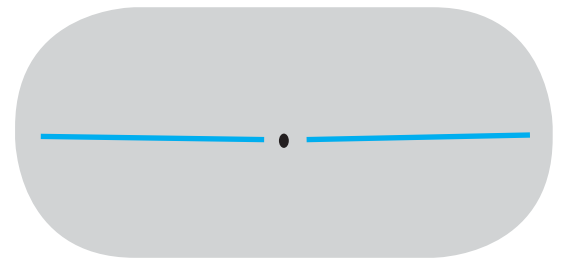
- Ballast Type ..... Electronic
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Lamp Operating Frequency ..... 250 kHz
- Ballast Off-State Draw ..... 0 Watts
- Sound Rating ..... Class A
- ANSI Surge Protection ..... Class A
- Lamp / Ballast System Life ..... 100,000 Hrs.
- Lumen Maintenance @75,000Hrs ..... > 70%
- Color Temperature ..... 5000°K
- Color Rendering Index (CRI) ..... 83
- Minimum Starting Temperature ..... -20°F
- Maximum Starting Temperature ..... 160°F
- Lumens per Watt ..... 80
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.98
- Total Harmonic Distortion ..... < 10%
- Inrush Current Peak ..... < 10 Amp
- ETL Listed / UL Standard 1598 ..... Yes
- FCC Compliance ..... Part 18, Subp. C
- EPA Rating ..... 3.10
- IP Rating ..... IP65
- Warranty ..... 10 Year

### MOUNTING OPTIONS



Mounts to 2.00" - 2-3/8" Pipe

### PHOTOMETRICS (See Complete IES File)



Type II Distribution