

Incredible **100,000 hrs**

GENERAL DESCRIPTION

Neptun's 32" Induction cobra head fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 81 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 250W.

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 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: 81080-UNV-850-LD-GRY
 Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
81 = 32" Cobra Head	080 = 80 W 100 = 100W 120 = 120 W 150 = 150 W	UNV = 120-277 VAC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Twistlock Photocell	GRY = Grey * Custom Colors Available



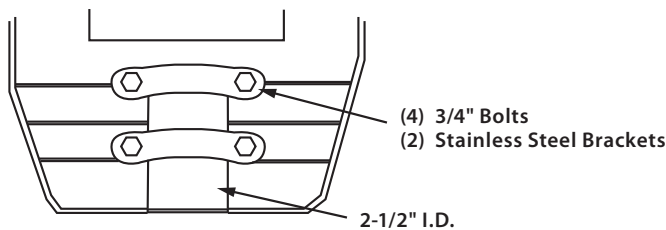
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
81080-UNV	32" Cobra Head Fixture	80	82	6,400	120-277	0.69-0.30	<10%	0.98	25 lbs
81100-UNV	32" Cobra Head Fixture	100	105	8,000	120-277	0.87-0.37	<10%	0.98	25 lbs
81120-UNV	32" Cobra Head Fixture	120	125	9,600	120-277	1.05-0.45	<10%	0.98	26 lbs
81150-UNV	32" Cobra Head Fixture	150	158	12,000	120-277	1.31-0.56	<10%	0.98	26 lbs

SPECIFICATIONS

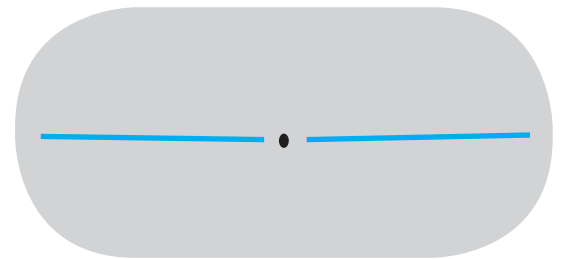
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 120-277 VAC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- Lamp / Ballast System Life 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 1.35
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



Accepts 2" - 2-3/8" Round Pipe

PHOTOMETRICS (See Complete IES File)



Type II Distribution