

Incredible **100,000 hrs**

### GENERAL DESCRIPTION

Neptun's 36" Induction cobra head fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 85 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 with 10 Year Warranty.
- **Optional:** 0-10V Dimming, Remote Monitoring and DC 24V Operation

### ORDERING INFORMATION

Sample Number: 85080-UNV-0-10VDIM-850-LD-DGRY  
 Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Color
85 = Street Light	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W 165 = 165 W 200 = 200 W 225 = 225 W	UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC 24VDC = 24V DC * * Available up to 150W	0-10VDIM = 0-10V Dimming * Contact Factory for dimming options	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Twist-Lock Photocell	GRY = Grey * Custom Colors Available



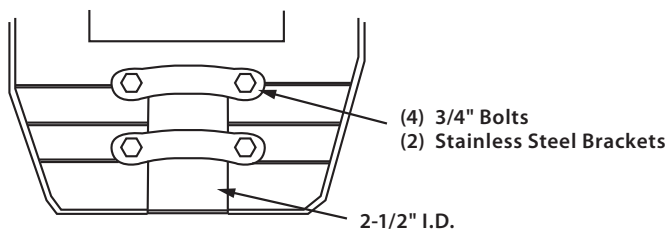
### PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
85080-UNV	36" Cobra Head Fixture	80	82	6,400	120-277	0.69-0.30	<10%	0.98	32 lbs
85100-UNV	36" Cobra Head Fixture	100	105	8,000	120-277	0.87-0.37	<10%	0.98	32 lbs
85120-UNV	36" Cobra Head Fixture	120	125	9,600	120-277	1.09-0.48	<10%	0.98	33 lbs
85150-UNV	36" Cobra Head Fixture	150	158	12,000	120-277	1.31-0.56	<10%	0.98	35 lbs
85165-UNV	36" Cobra Head Fixture	165	174	13,200	120-277	1.44-0.62	<10%	0.98	35 lbs
85200-UNV	36" Cobra Head Fixture	200	210	16,000	120-277	1.75-0.75	<10%	0.98	36 lbs
85225-UNV	36" Cobra Head Fixture	225	236	18,000	120-277	1.96-0.85	<10%	0.98	36 lbs

### SPECIFICATIONS

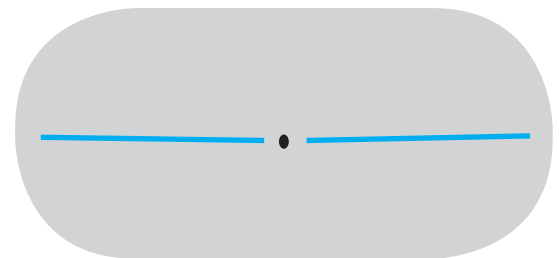
- Ballast Type ..... Electronic
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Lamp Operating Frequency ..... 250 kHz
- Ballast Off-State Draw ..... 0 Watts
- Sound Rating ..... Class A
- ANSI Surge 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 ..... 2.00
- IP Rating ..... IP65
- Warranty ..... 10 Year

### MOUNTING OPTIONS



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

### PHOTOMETRICS (See Complete IES File)



Type II Distribution