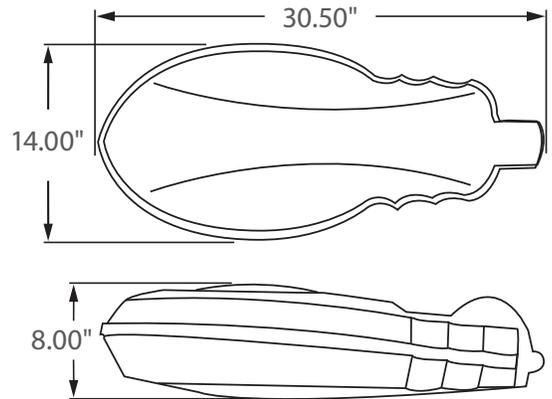


24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction cobra head fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 82 series fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200W.

APPLICATION

- Solar Street Lighting
- Solar Walkway Lighting
- Solar Parking Lot Lighting
- Solar Storage Area Lighting
- Solar Security 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.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Tooless entry housing for easy installation and maintenance.
- Hinged aluminum door frame incorporates stainless steel hardware.
- Adjustable leveling for desired fixture tilt.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled rectangle induction bulb.
- High power factor, 24 Volt DC ballast.
- 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: 82040-24VDC-850-LD-GRY
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
82 = Street Light	040 = 40 W 080 = 80 W 100 = 100 W 120 = 120 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Twist-Lock Photocell	GRY = Grey * Custom Colors Available



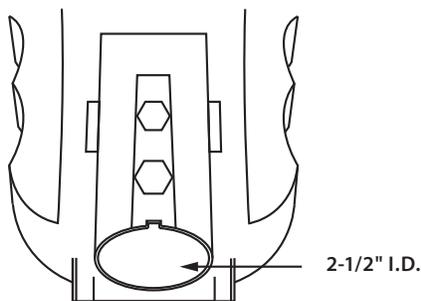
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
82040-24VDC	Street Light Fixture	40	41	3,200	24	1.74	0.98	22 lbs
82080-24VDC	Street Light Fixtures	80	82	6,400	24	3.49	0.98	25 lbs
82100-24VDC	Street Light Fixtures	100	105	8,000	24	4.37	0.98	25 lbs
82120-24VDC	Street Light Fixtures	120	125	9,600	24	5.25	0.98	25 lbs

SPECIFICATIONS

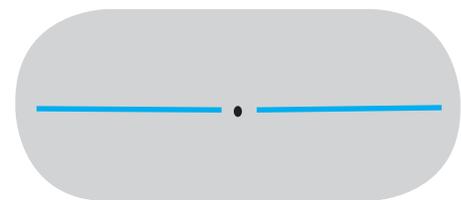
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 83
- Minimum Starting Temperature -20°F
- Maximum Starting Temperature 160°F
- Initial Lumens per Watt 80
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.78
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



Mounts to 1-1/4" - 2-3/8" Pipe

PHOTOMETRICS (See Complete IES File)



Type II Distribution

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Neptun Light, Inc. reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.
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Spec. Rev. 1-2013