24VDC OPERATION

20.00"

12.00"

5.00"
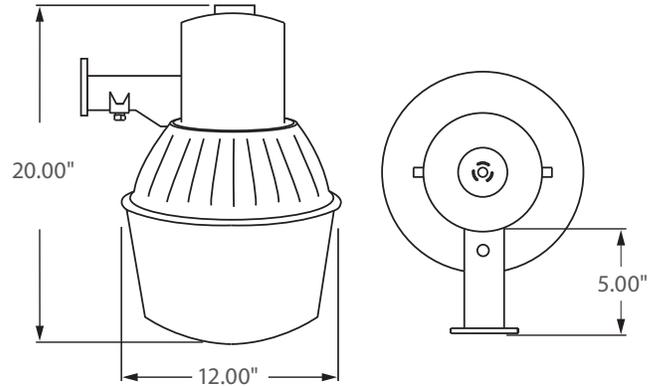
Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Security Light Fixture is suitable for a variety of outdoor applications. The 20 series Security Light is offered in a several wattages and features an integrated photocell for Dusk-to-Dawn On/Off control. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 175W.

APPLICATION

·   Solar Street Lighting
·   Solar Alley Lighting
·   Solar Work Yard Lighting
·   Solar Parking Lot Lighting
·   Solar Security Lighting
·   Solar Barn Lighting
·   Solar Area Lighting
·   Solar Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

·   Heavy-gauge, die-cast aluminum housing.
·   Custom designed anodized aluminum reflectors for superior illuminance.
·   Heat and impact resistant, UV protected, non yellowing lens.
·   Corrosion resistant electrocoat grey finish (custom colors available).
·   Slip Fitter mount accepts 1-1/4" - 2" Round Pipe or Tenon.
·   Inductively coupled U-Type Induction bulb.
·   High power factor, 24 Volt DC ballast.
·   NEMA Photocell for Dusk-to-Dawn On/Off control included.
·   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: 20050-24VDC-850-GRY
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
20 = Security Light	050 = 50 W 065 = 65 W 080 = 80 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	GRY = Gray * Custom Colors Available

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PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
20050-24VDC	Security Light Fixture	50	52	4,000	24	2.18	0.98	8 lbs
20065-24VDC	Security Light Fixture	65	67	5,200	24	2.84	0.98	8 lbs
20080-24VDC	Security Light Fixture	80	82	6,400	24	3.49	0.98	8 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
- IP Rating IP55
- Warranty .... 10 Year

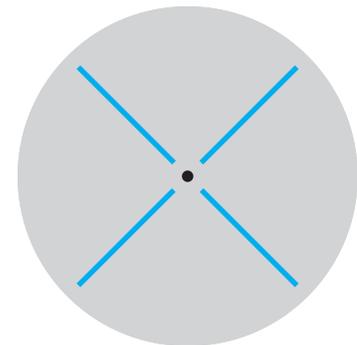## MOUNTING OPTIONS

Pole Mount

Accepts 1-1/4" - 2"
Round Tenon or Pole
(Hardware included)

Wall Mount

(Hardware Not included)

PHOTOMETRICS (See Complete IES File)

Type V Distribution

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