

NEPTŪN

L I G H T



Product Data Sheets

SOLAR LIGHTING
SYSTEMS

*light*innovations@work™

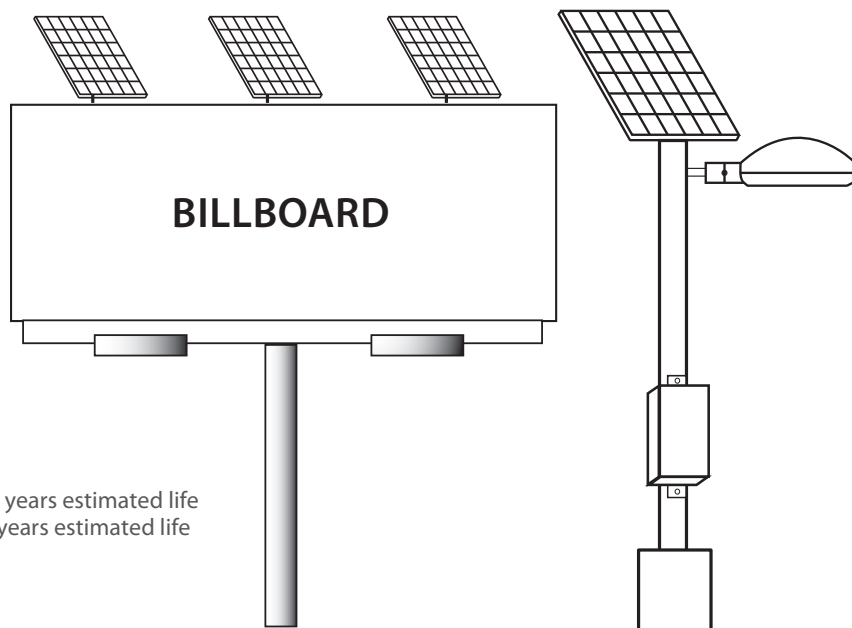
THE BEST SOLUTION

Neptun's Solar Lighting Systems feature long life LED & Induction lighting, LFP or GEL Battery Packs, Charge Controllers, and Polycrystalline Solar Panels. The off grid operation eliminates many of the high costs associated with standard lighting installations.

- **No expensive trenching**
- **No expensive transformers**
- **No meters required.**

BATTERY TYPES OFFERED

- LFP systems are estimated @ 5,000 life cycles / 365 days/year = 14 years estimated life
- GEL systems are estimated @ 1,800 life cycles / 365 days/year = 5 years estimated life

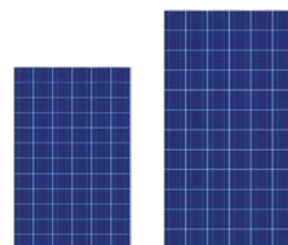


Incredible OFF GRID Operation

SYSTEM CONFIGURATION INFORMATION

Fixture Wattage	GEL Battery Needed	LFP Battery Needed	Solar Panel Needed
40W	70Ah	70Ah	150W
50W	70Ah	70Ah	150W
60W	70Ah	70Ah	190W
70W	100Ah	100Ah	235W
80W	100Ah	100Ah	235W
90W	100Ah	100Ah	300W
100W	150Ah	100Ah	300W
110W	150Ah	100Ah	300W
120W	200Ah	180Ah	(2) 235W
150W	200Ah	180Ah	(2) 235W
175W	250Ah	180Ah	(2) 300W

POLYCRYSTALLINE SOLAR PANELS



INDUCTION & LED 24VDC LIGHTING



LFP & GEL BATTERY PACKS & CONTROLLERS



Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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THE BEST SOLUTION

Neptun's Solar Lighting Systems feature long life LED & Induction lighting, LFP or GEL Battery Packs, Charge Controllers, and Polycrystalline Solar Panels. The off grid operation eliminates many of the high costs associated with standard lighting installations. No expensive trenching, transformers, or meters required. These systems are best for new construction or remote areas with needs for quality lighting systems.

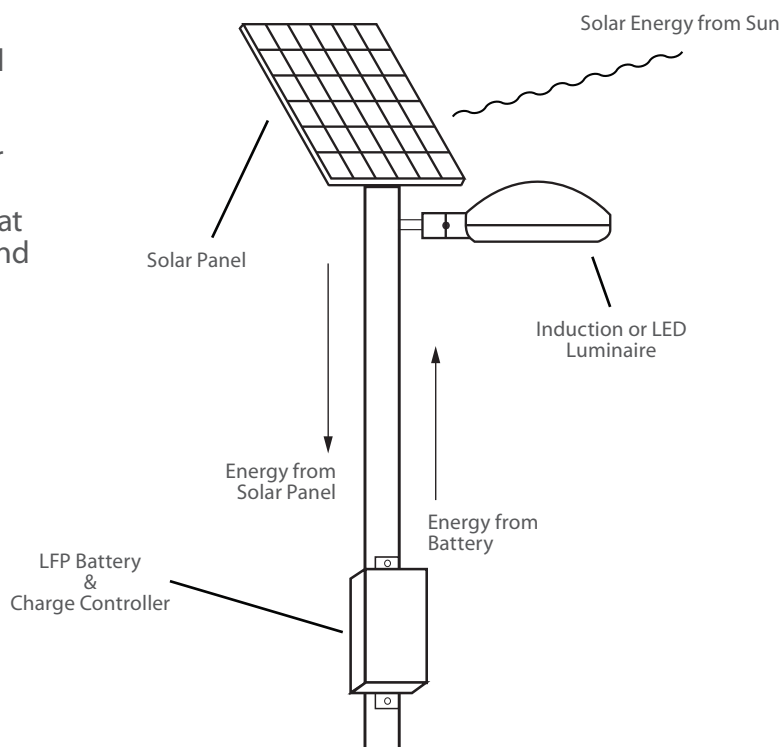
APPLICATION

- Street Lighting
- Parking Lot & Area Lighting
- Walkway Lighting
- Park Lighting
- Billboard Lighting



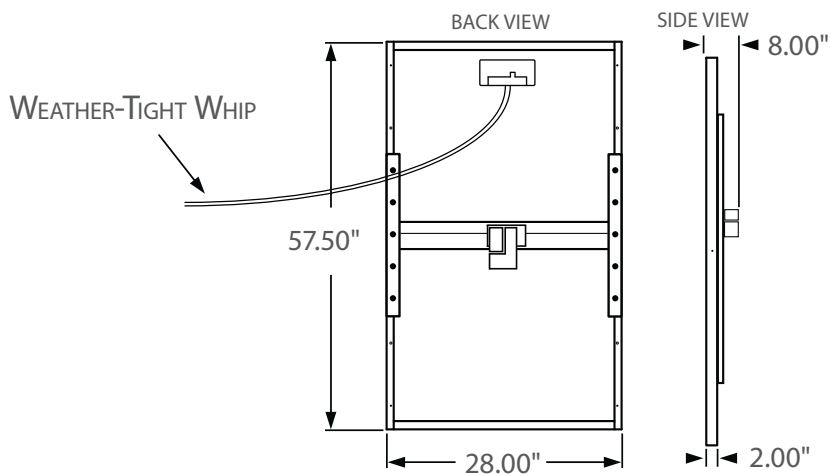
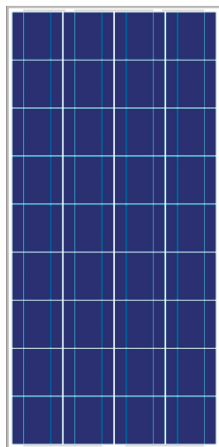
HOW IT WORKS

During the day when the sun shines, the solar panel converts the sun's energy into electricity and stores it in the battery system. At night time, the battery discharges and releases this stored energy to power the Induction or LED luminaire. Based on the smart charge controller system, the amount of sunlight that the panel detects will allow the system to turn on and off with no monitoring needed.



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lightinnovations@work™



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Solar Panels feature a robust solar module with 36 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and battery systems. Solar Panel acts as photocell to turn fixtures on and off when used with Neptun Battery System and 24VDC Fixtures.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- 6" high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 25 Year Warranty on complete unit.

ORDERING INFORMATION

Sample Number: NE-PPV-150W-SF
Custom options and accessories available. Please consult factory

Series	System	Module Type	Mounting
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
NE = Neptun Energy	PPV = Polycrystalline Solar Panel	150W = 150 Watt	SF = Slip Fitter Mount



DATA - AT STANDARD TEST CONDITIONS (STC)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Short-Circuit Voltage (A)	Module Efficiency (%)
NE-PPV-150W	≥ 150	18.68	8.03	22.63	8.73	14.0

* STC (1,000 W/m², AM 1.5 cell temperature 25°C

* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Temperature (°C)
NE-PPV-150W	≥ 108	15.6	6.5	20.0	45.5

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

Model No.	Power (% / °C)	Open-Circuit Voltage (% / °C)	Short-Circuit Current (% / °C)
NE-PPV-150W	-0.44	-0.32	+0.04

DATA - AT LOW IRRADIATION

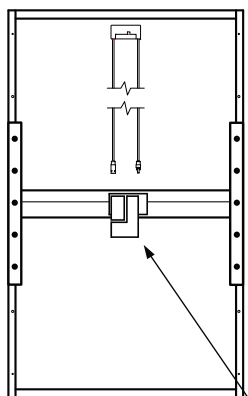
* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

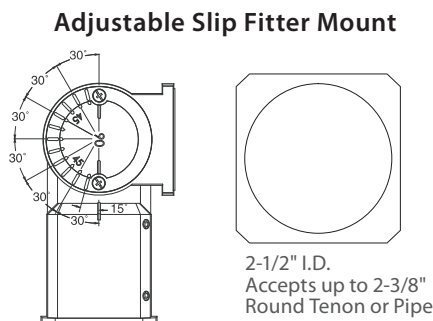
- Cell Type.....Poly-crystalline
- Cell Arrangement.....60 (6 x 10)
- System Voltage.....600 VDC
- Maximum Reverse Current.....15 A
- Operating Module Temperature.....-40°C to +85°C
- Maximum Load.....75 lbs/ft²
- Total Harmonic Distortion.....< 15%

- Weight.....30 lbs
- EPA Rating.....10.1 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- ARRA Compliant.....Yes
- Warranty.....10 Year
- Performance Warranty.....25 Year @ 80% output

MOUNTING OPTIONS



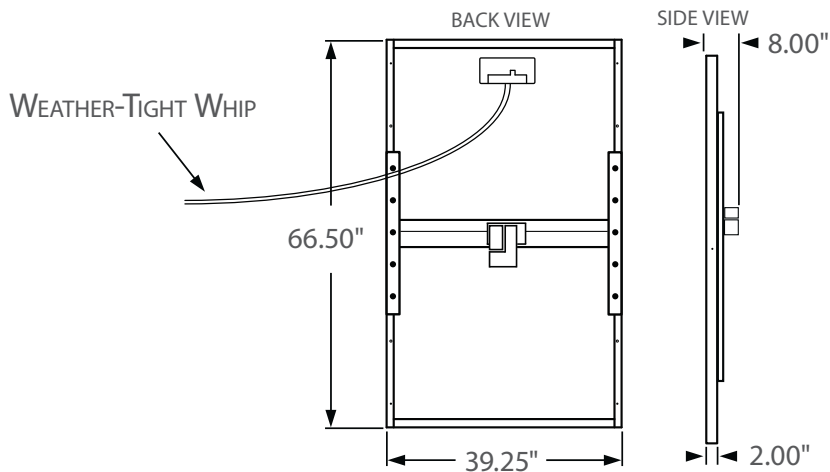
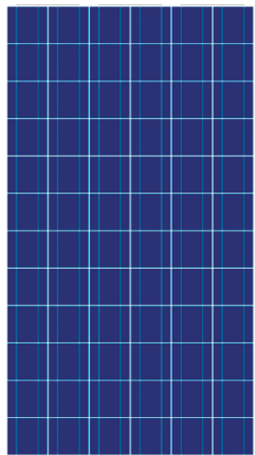
Adjustable Slip Fitter Mount



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Spec. Rev. 7-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Solar Panels feature a robust solar module with 48 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and battery systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- 6" high-efficiency 80-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION

Sample Number: NE-PPV-190W-SF
Custom options and accessories available. Please consult factory

Series	System	Module Type	Mounting
NE = Neptun Energy	PPV = Polycrystalline Solar Panel	190W = 190 Watt	SF = Slip Fitter Mount



DATA - AT STANDARD TEST CONDITIONS (STC)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Short-Circuit Voltage (A)	Module Efficiency (%)
NE-PPV-190W	≥ 190	30.2	7.78	37.1	8.42	14.0

* STC (1,000 W/m², AM 1.5 cell temperature 25°C

* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Temperature (°C)
NE-PPV-190W	≥ 149	27.2	6.75	33.9	45.5

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

Model No.	Power (% / °C)	Open-Circuit Voltage (% / °C)	Short-Circuit Current (% / °C)
NE-PPV-190W	-0.44	-0.32	+0.04

DATA - AT LOW IRRADIATION

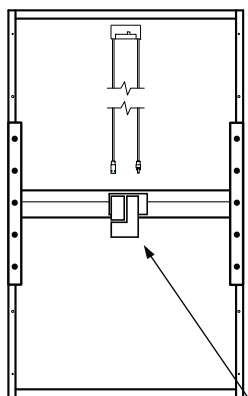
* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

- Cell Type.....Poly-crystalline
- Cell Arrangement.....60 (6 x 10)
- System Voltage.....600 VDC
- Maximum Reverse Current.....15 A
- Operating Module Temperature.....-40°C to +85°C
- Maximum Load.....75 lbs/ft²
- Total Harmonic Distortion.....< 15%

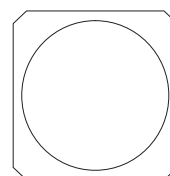
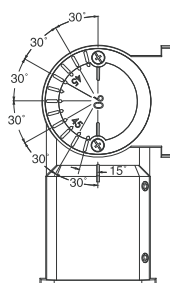
- Weight.....58 lbs
- EPA Rating.....16.8 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year
- Performance Warranty.....25 Year @ 80% output

MOUNTING OPTIONS



Adjustable Slip Fitter Mount

Adjustable Slip Fitter Mount

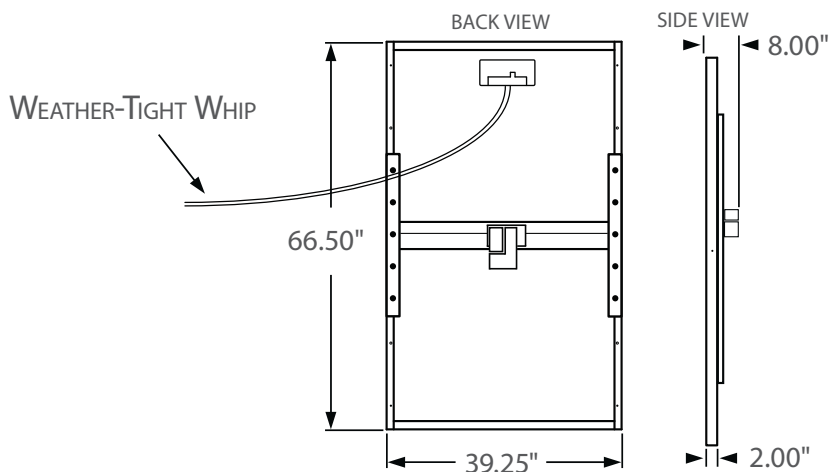
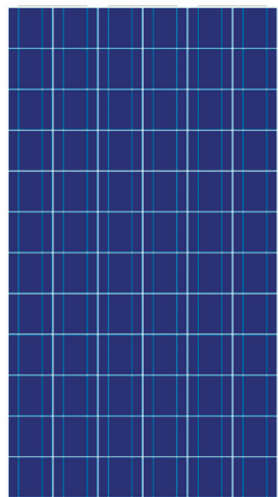


2-1/2" I.D.
Accepts up to 2-3/8"
Round Tenon or Pipe

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Solar Panels feature a robust solar module with 60 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and battery systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- 6" high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION

Sample Number: NE-PPV-235W-SF
Custom options and accessories available. Please consult factory

Series	System	Module Type	Mounting
NE = Neptun Energy	PPV = Polycrystalline Solar Panel	235W = 235 Watt	SF = Slip Fitter Mount



DATA - AT STANDARD TEST CONDITIONS (STC)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Short-Circuit Voltage (A)	Module Efficiency (%)
NE-PPV-235W	≥ 235	30.2	7.78	37.1	8.42	14.0

* STC (1,000 W/m², AM 1.5 cell temperature 25°C

* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Temperature (°C)
NE-PPV-235W	≥ 169	27.2	6.75	33.9	45.5

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

Model No.	Power (% / °C)	Open-Circuit Voltage (% / °C)	Short-Circuit Current (% / °C)
NE-PPV-235W	-0.44	-0.32	+0.04

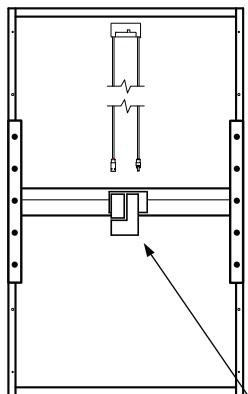
DATA - AT LOW IRRADIATION

* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

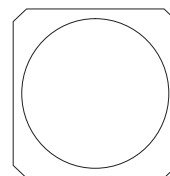
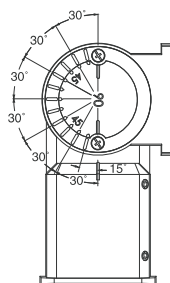
- Cell Type.....Poly-crystalline
- Cell Arrangement.....60 (6 x 10)
- System Voltage.....600 VDC
- Maximum Reverse Current.....15 A
- Operating Module Temperature.....-40°C to +85°C
- Maximum Load.....75 lbs/ft²
- Total Harmonic Distortion.....< 15%
- Weight.....58 lbs
- EPA Rating.....16.8 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

MOUNTING OPTIONS



Adjustable Slip Fitter Mount

Adjustable Slip Fitter Mount

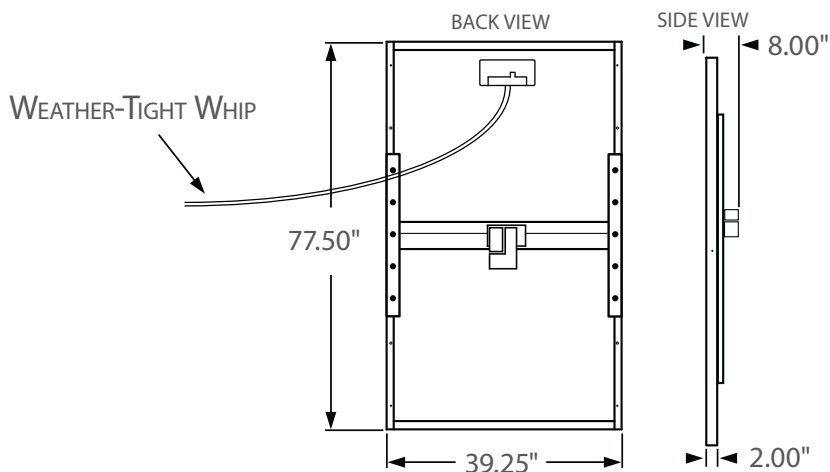
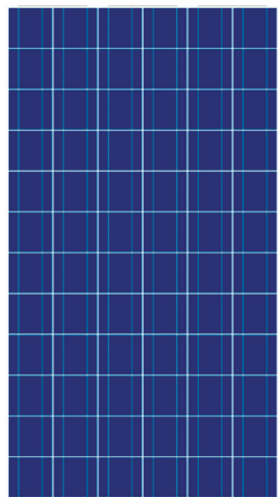


2-1/2" I.D.
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Round Tenon or Pipe

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Spec. Rev. 8-2012



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Solar Panels feature a robust solar module with 60 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and battery systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- 6" high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION

Sample Number: NE-PPV-300W-SF
Custom options and accessories available. Please consult factory

Series	System	Module Type	Mounting
NE = Neptun Energy	PPV = Polycrystalline Solar Panel	300W = 300 Watt	SF = Slip Fitter Mount



DATA - AT STANDARD TEST CONDITIONS (STC)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Short-Circuit Voltage (A)	Module Efficiency (%)
NE-PPV-300W	≥ 300	45.1	8.94	35.2	8.52	15.3

* STC (1,000 W/m², AM 1.5 cell temperature 25°C

* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

Model No.	Nominal Power (WP)	Voltage @ Nominal Power (V)	Current @ Nominal Power (A)	Open-Circuit Voltage (V)	Temperature (°C)
NE-PPV-300W	≥ 280	42.2	7.75	33.9	46.2

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

Model No.	Power (% / °C)	Open-Circuit Voltage (% / °C)	Short-Circuit Current (% / °C)
NE-PPV-300W	-0.44	-0.32	+0.04

DATA - AT LOW IRRADIATION

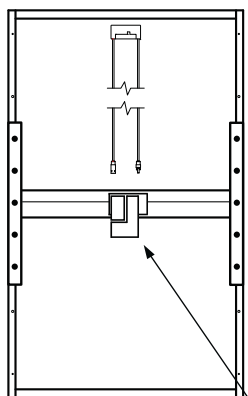
* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

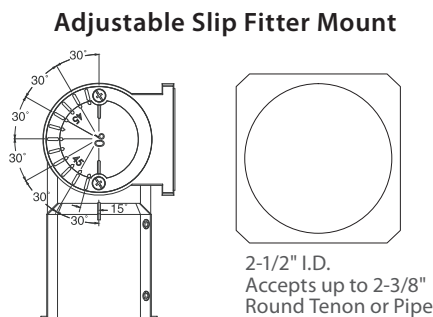
- Cell Type.....Poly-crystalline
- Cell Arrangement.....60 (6 x 10)
- System Voltage.....600 VDC
- Maximum Reverse Current.....15 A
- Operating Module Temperature.....-40°C to +85°C
- Maximum Load.....30 psf

- Weight.....65 lbs
- EPA Rating.....16.8 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Product Warranty.....10 Year
- Performance Warranty.....25 Year @ 80% output

MOUNTING OPTIONS



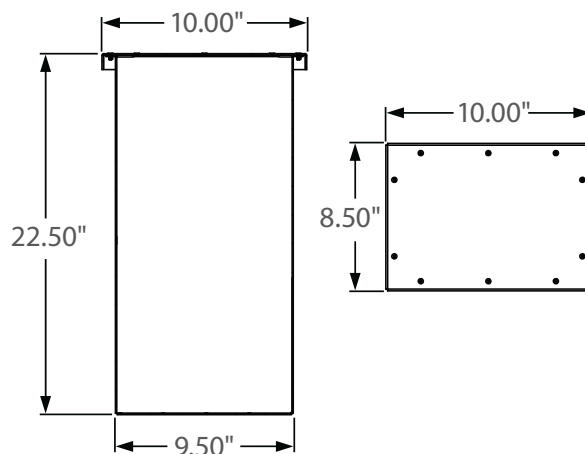
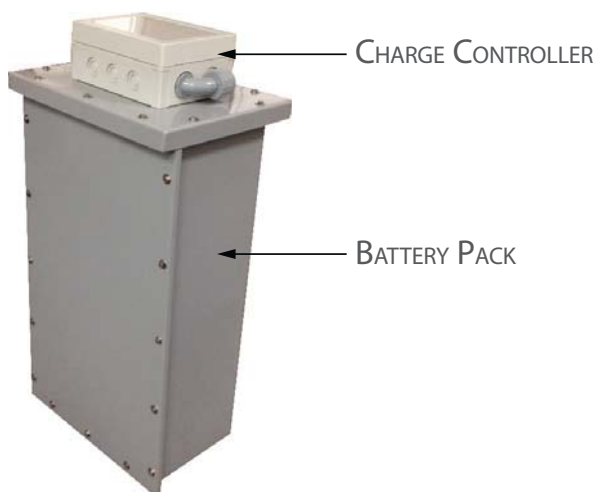
Adjustable Slip Fitter Mount



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Spec. Rev. 8-2012



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24V lighting fixtures (40-50W).

ORDERING INFORMATION

Sample Number: NE-VLFP-70Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	VLFP = Lithium Iron Phosphate	70Ah = 70 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-VLFP-70Ah-24VDC	70 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

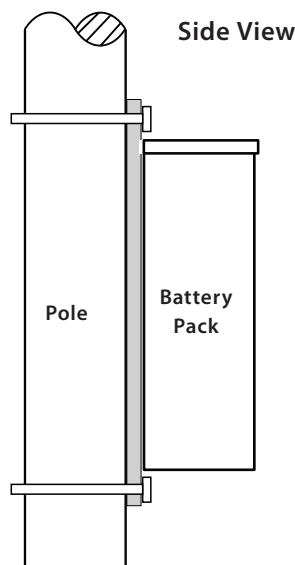
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

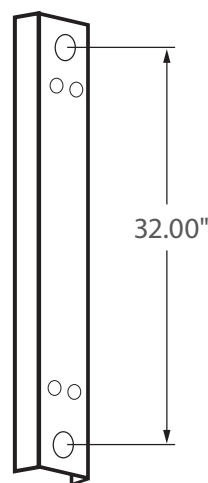
SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....120 lbs
- EPA Rating.....1.33 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

MOUNTING OPTIONS



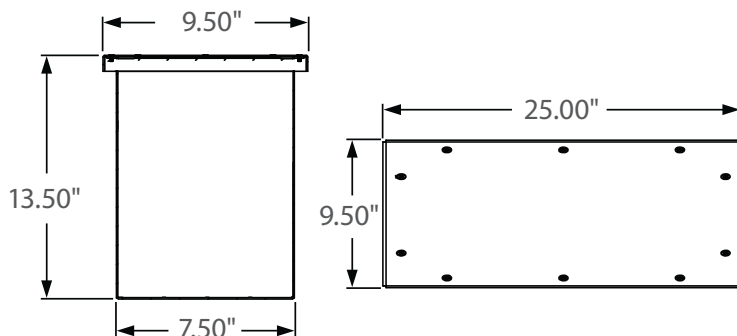
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Spec. Rev. 1-2013



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GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Free standing mount.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24V lighting fixtures (40-50W).

ORDERING INFORMATION

Sample Number: NE-HLFP-70Ah-24VDC-FSM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	HLFP = Lithium Iron Phosphate	70Ah = 70 Amp Hour	24VDC = 24 Volt DC	FSM = Free Standing Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-HLFP-70Ah-24VDC	70 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

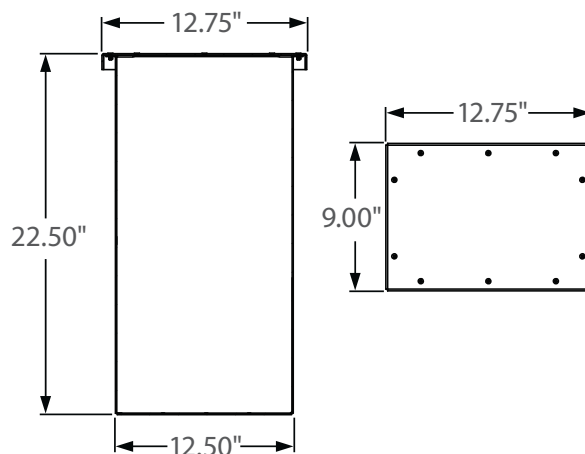
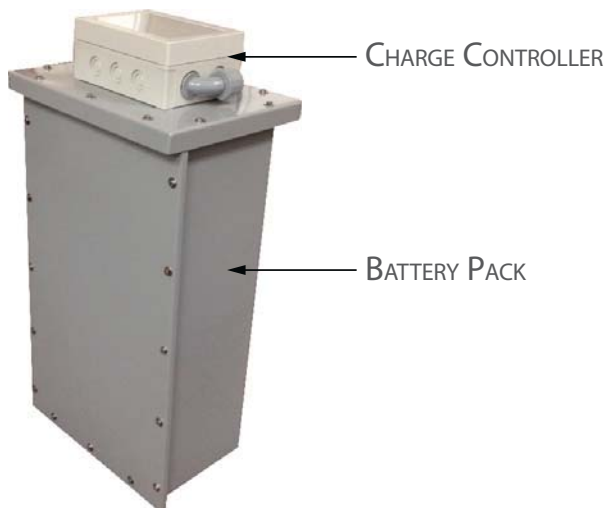
SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....120 lbs
- EPA Rating.....1.33 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

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Spec. Rev. 1-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures (60-80W).

ORDERING INFORMATION

Sample Number: NE-LFP-100Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	VLFP = Lithium Iron Phosphate	100Ah = 100 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-VLFP-100Ah-24VDC	100 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

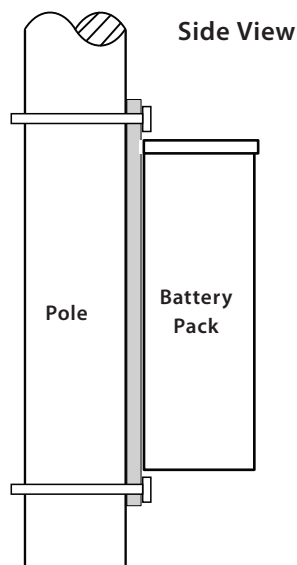
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

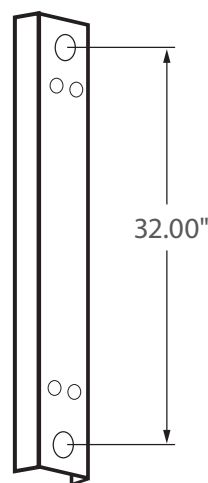
SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....140 lbs
- EPA Rating.....2.0 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

MOUNTING OPTIONS



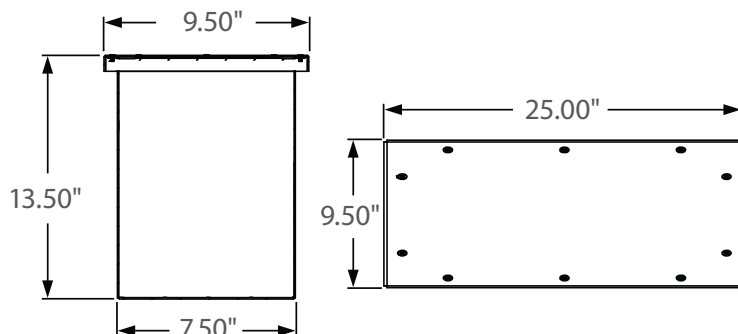
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Spec. Rev. 1-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Free standing mount.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures (60-80W).

ORDERING INFORMATION

Sample Number: NE-LFP-100Ah-24VDC-FSM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	HLFP = Lithium Iron Phosphate	100Ah = 100 Amp Hour	24VDC = 24 Volt DC	FSM = Free Standing Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-HLFP-100Ah-24VDC	100 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

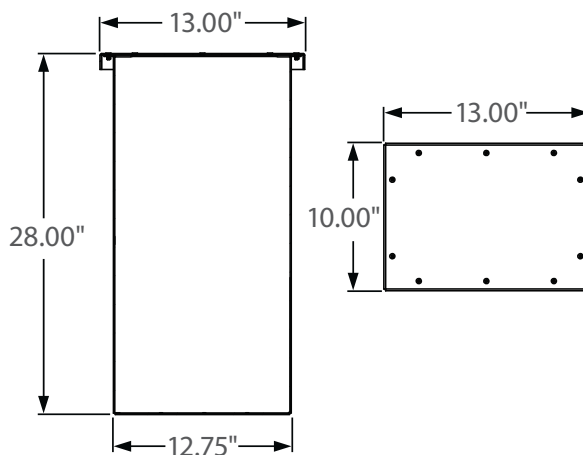
Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....140 lbs
- EPA Rating.....2.0 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

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GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION

Sample Number: NE-LFP-180Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	VLFP = Lithium Iron Phosphate	180Ah = 180 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-VLFP-180Ah-24VDC	180 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

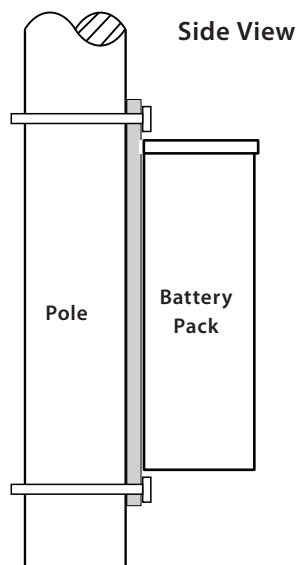
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

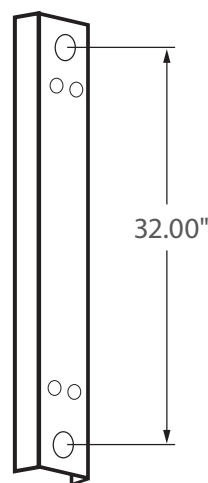
SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....170 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

MOUNTING OPTIONS



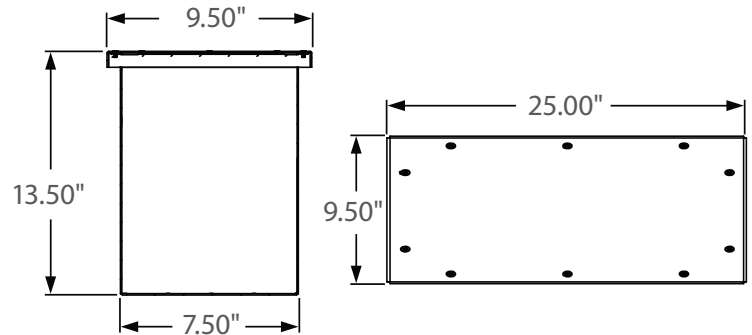
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION

Sample Number: NE-LFP-180Ah-24VDC-FSM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	HLFP = Lithium Iron Phosphate	180Ah = 180 Amp Hour	24VDC = 24 Volt DC	FSM = Free Standing Mount



PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-HLFP-180Ah-24VDC	180 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

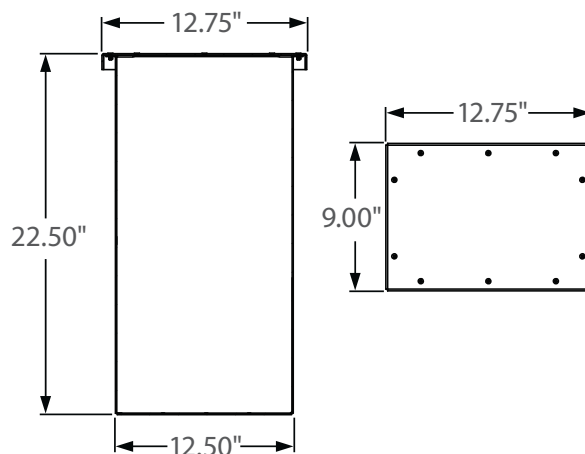
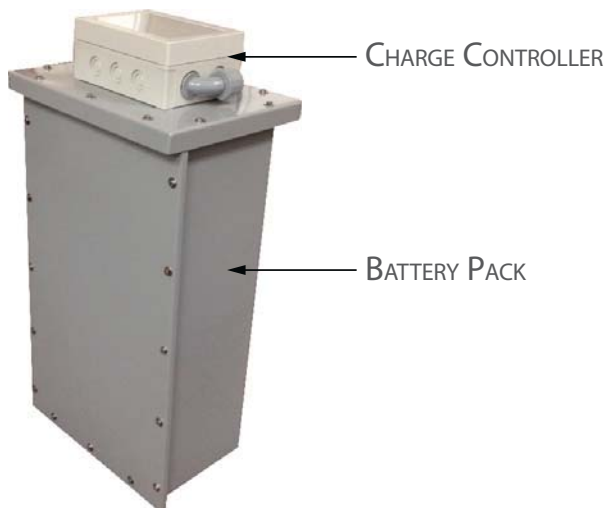
SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....170 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

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Spec. Rev. 2-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION

Sample Number: NE-GEL-70Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	GEL = GEL	70Ah = 100 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - GEL 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-GEL-70Ah-24VDC	70 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

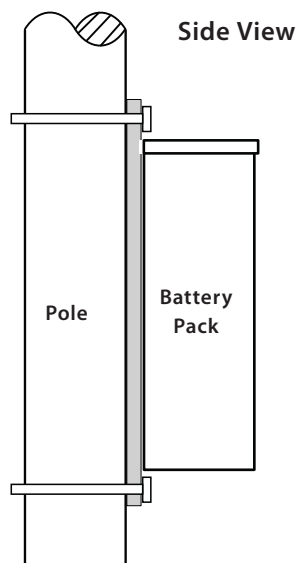
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

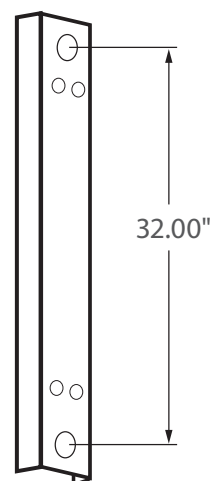
SPECIFICATIONS

- Battery Type.....GEL
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....1,800
- Weight.....100 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....2 Year

MOUNTING OPTIONS



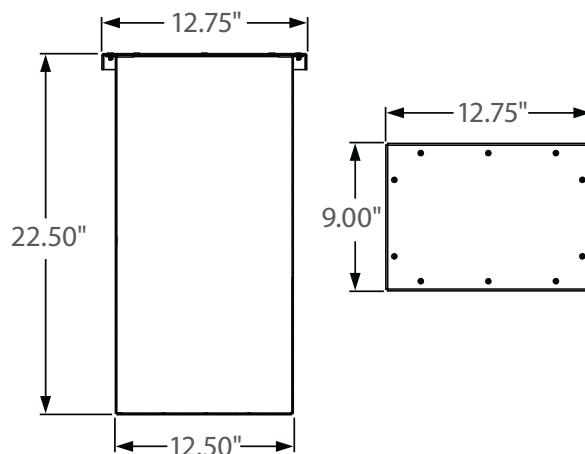
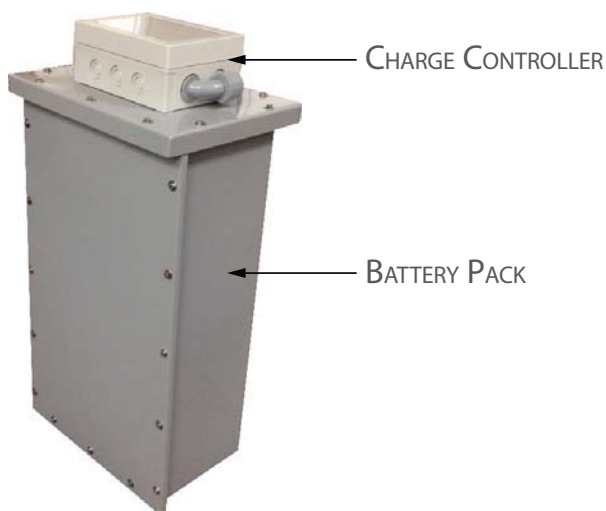
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION

Sample Number: NE-GEL-100Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	GEL = GEL	100Ah = 100 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - GEL 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-GEL-100Ah-24VDC	100 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

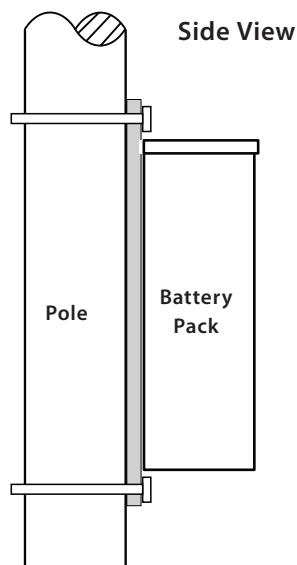
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

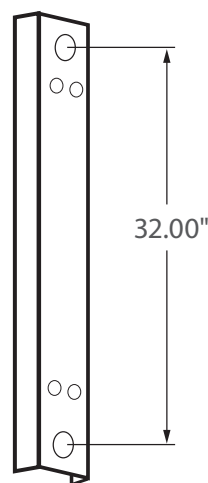
SPECIFICATIONS

- Battery Type.....GEL
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....1,800
- Weight.....100 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....2 Year

MOUNTING OPTIONS



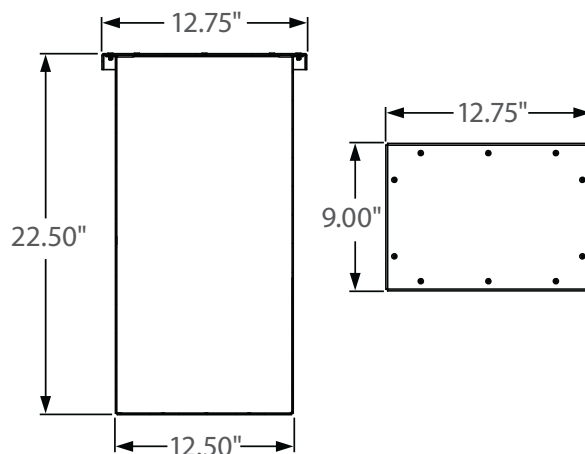
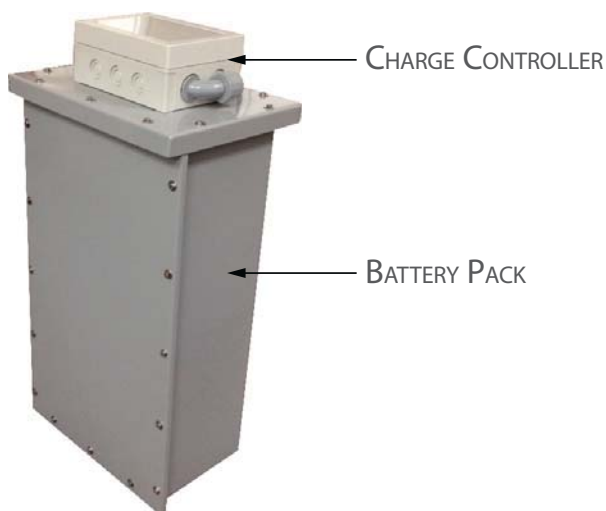
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION

Sample Number: NE-GEL-150Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	GEL = GEL	150Ah = 150 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - GEL 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-GEL-150Ah-24VDC	150 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

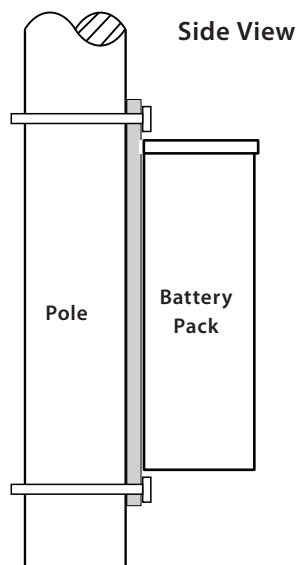
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

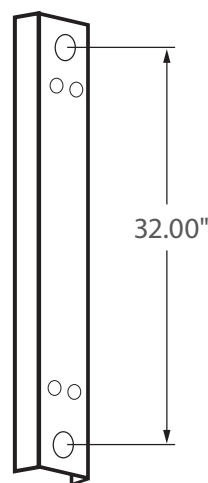
SPECIFICATIONS

- Battery Type.....GEL
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....1,800
- Weight.....100 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....2 Year

MOUNTING OPTIONS



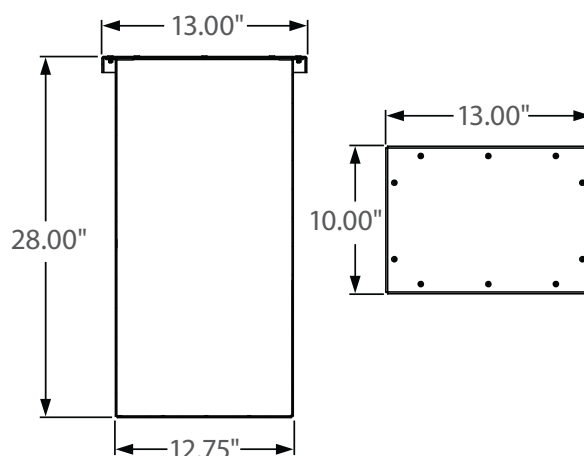
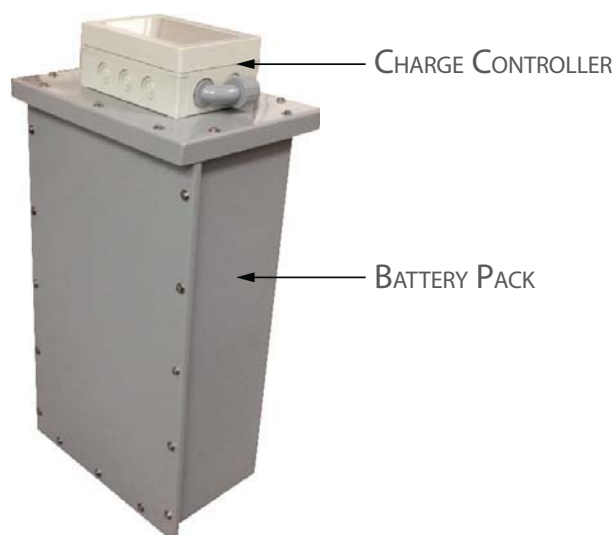
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION

Sample Number: NE-GEL-200Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	GEL = GEL	200Ah = 200 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - GEL 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-GEL-200Ah-24VDC	200 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

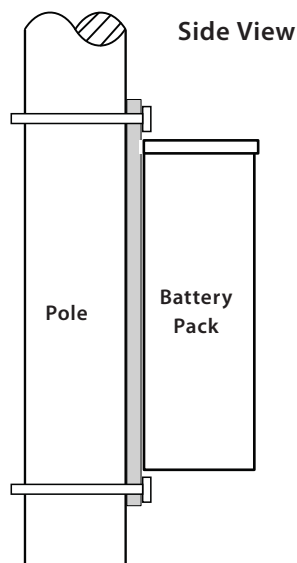
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

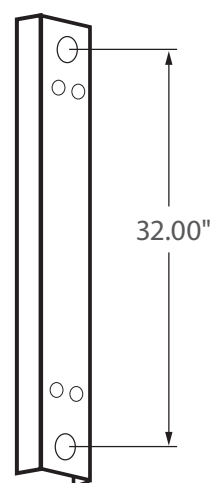
SPECIFICATIONS

- Battery Type.....GEL
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- Weight.....200 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....2 Year

MOUNTING OPTIONS



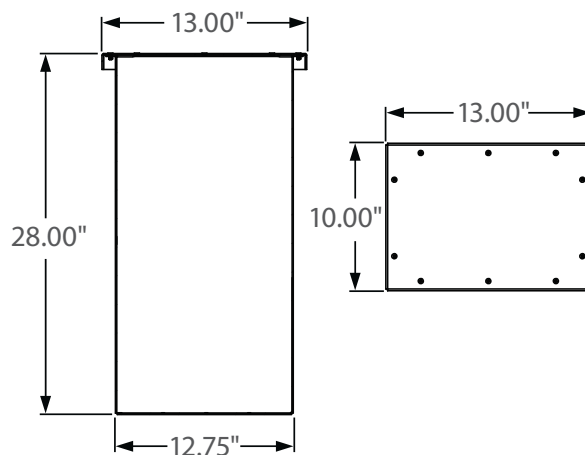
Round Pole Mount (RPM)
Square Pole Mount (SQPM)



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Spec. Rev. 1-2013



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	VGEL = Vertical mount GEL system	250Ah = 250 Amp Hour	24VDC = 24 Volt DC	RPM = Round Pole Mount SQPM = Square Pole Mount



PRODUCT INFORMATION - GEL 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-GEL-250Ah-24VDC	250 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

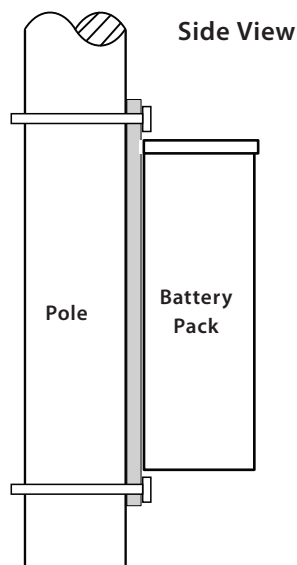
PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

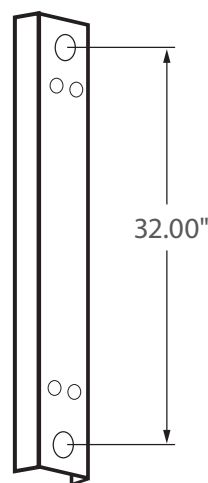
SPECIFICATIONS

- Battery Type.....GEL
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- Weight.....200 lbs
- EPA Rating.....2.43 ft²
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....2 Year

MOUNTING OPTIONS



Round Pole Mount (RPM)
Square Pole Mount (SQPM)

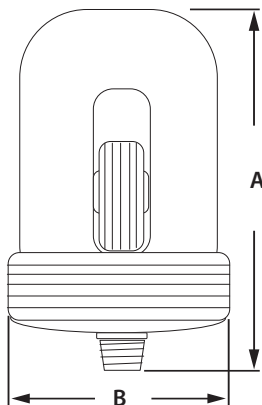


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24VDC OPERATION



Product Dimensions (Lamp)

Wattage	A (E26)	A (E40)	A (FM)	B (Diameter)
50W	7.75 in.	8.50 in.	6.00 in.	5.00 in.
65W	8.50 in.	9.25 in.	6.75 in.	5.00 in.
80W	10.00 in.	10.75 in.	8.25 in.	5.00 in.
100W	10.00 in.	10.75 in.	8.25 in.	5.00 in.

Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction U-Type Retrofit Kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The UT-26 series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 200W.

APPLICATION

- Canopy Fixtures
- Gas Station Fixtures
- Decorative Acorn Fixtures
- Shoebox Fixtures
- High/Low-Bay Fixtures
- Can Lighting Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium (E26) or mogul base (E40).
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled u-type induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (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.
- 5 Year System Warranty.

ORDERING INFORMATION

Sample Number: UT-26030RK-24VDC-850-E26
Custom options and accessories available. Please consult factory

Type	Series	Lamp Wattage	System	Voltage	Color Temp	Base
UT= U-Shape	26 = Bulb & Ballast	050 = 50 W 065 = 65 W 080 = 80 W 100 = 100W	RK = Retrofit Kit * Bulb & Ballast	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	E26 = Medium Base E40 = Mogul Base FM = Flush Mount



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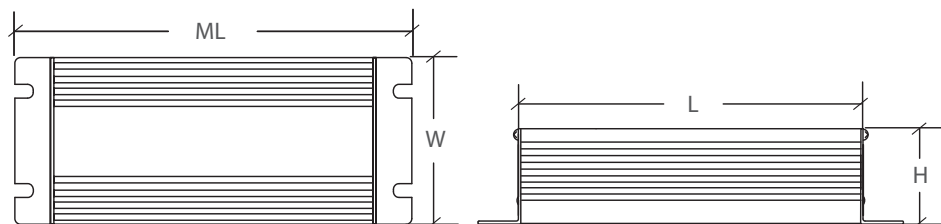
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
UT-26050RK-24VDC	U-Type RetroFit Kit	50	52	4,000	24	2.18	0.98	3 lbs
UT-26065RK-24VDC	U-Type RetroFit Kit	65	67	5,200	24	2.84	0.98	3 lbs
UT-26080RK-24VDC	U-Type RetroFit Kit	80	82	6,400	24	3.49	0.98	3 lbs
UT-26100RK-24VDC	U-Type RetroFit Kit	100	105	8,000	24	4.37	0.98	3 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
- 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
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Warranty 5 Year

BALLAST DIMENSIONS



Wattage	M.L.	W	L	H
50W - 100W	6.00 in.	3.00 in.	5.25 in.	1.75 in.

RECOMMENDED APPLICATION FIXTURES



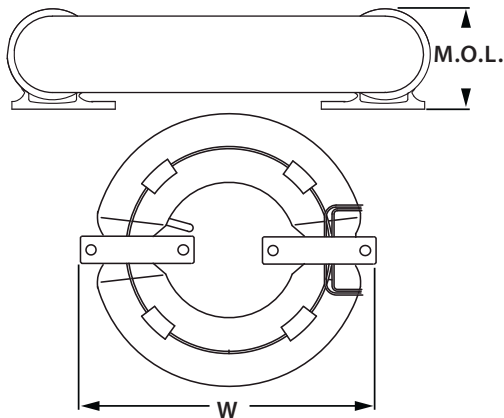
* Contact Factory for Application Verification.

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Spec. Rev. 1-2013

24VDC OPERATION



Bulb Dimensions

Wattage	M.O.L.	Width
40W	3.00 in.	7.00 in.
80W	3.25 in.	9.75 in.
100W	3.25 in.	9.75 in.
120W	3.25 in.	9.75 in.
150W	3.50 in.	13.00 in.

Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction circle bulb retrofit kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The NICT series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 250W.

APPLICATION

- Canopy Fixtures
- Shoebox Fixtures
- Area Lighting Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium 2 leg mounting arms.
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (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.
- 5 Year System Warranty.

ORDERING INFORMATION

Sample Number: NICT-040RK-24VDV-850
Custom options and accessories available. Please consult factory

Type	Lamp Wattage	System	Voltage	Color Temp
NICT = Circle Type	040 = 40 W 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	RK = Retrofit Kit * Bulb & Ballast	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard



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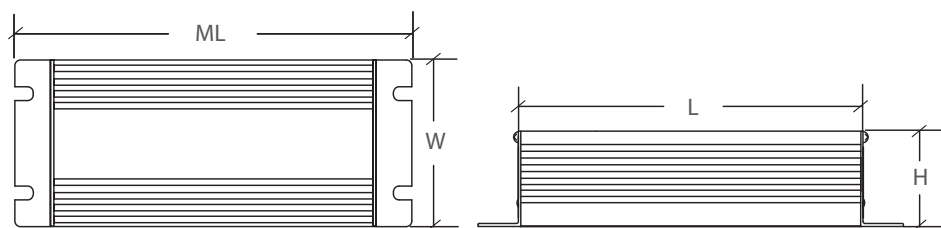
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
NICT-040RK-24VDC	Circular RetroFit Kit	40	41	3,200	24	1.74	0.98	3 lbs
NICT-080RK-24VDC	Circular RetroFit Kit	80	82	6,400	24	3.49	0.98	3 lbs
NICT-100RK-24VDC	Circular RetroFit Kit	100	105	7,000	24	4.37	0.98	3 lbs
NICT-120RK-24VDC	Circular RetroFit Kit	120	125	9,600	24	5.25	0.98	3 lbs
NICT-150RK-24VDC	Circular RetroFit Kit	150	158	12,000	24	6.56	0.98	4 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
- 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
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Warranty 5 Year

BALLAST DIMENSIONS



Wattage	M.L.	W	L	H
40W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
80W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
100W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
120W	7.50 in.	4.50 in.	6.25 in.	2.00 in.
150W	7.50 in.	4.50 in.	6.25 in.	2.00 in.

RECOMMENDED APPLICATION FIXTURES



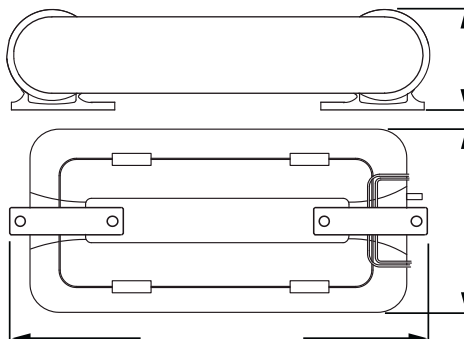
* Contact Factory for Application Verification.

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24VDC OPERATION



Bulb Dimensions

Wattage	M.O.L.	W	L
40W	3.00 in.	5.00 in.	7.50 in.
80W	3.50 in.	5.50 in.	12.50 in.
100W	3.50 in.	5.50 in.	12.50 in.
120W	3.50 in.	5.50 in.	12.50 in.
150W	3.50 in.	6.00 in.	16.50 in.

Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction rectangle bulb retrofit kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The NIRT series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 250W.

APPLICATION

- Canopy Fixtures
- Shoebox Fixtures
- Wall Pack Fixtures
- Flood Light Fixtures
- Area Lighting Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium 2 leg mounting arms.
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (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.
- 5 Year System Warranty.

ORDERING INFORMATION

Sample Number: NIRT-040RK-24VDV-850
Custom options and accessories available. Please consult factory

Type	Lamp Wattage	System	Voltage	Color Temp
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
NIRT = Rectangle Type	040 = 40 W 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	RK = Retrofit Kit * Bulb & Ballast	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard



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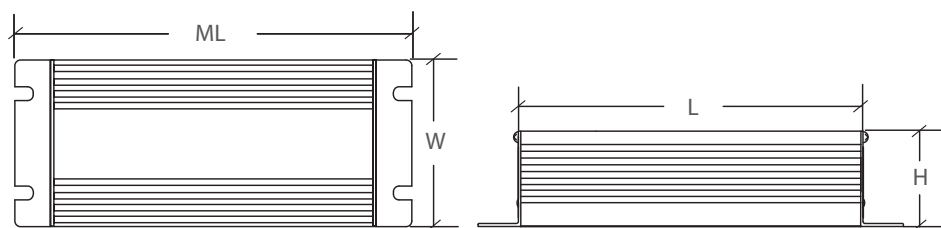
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
NIRT-040RK-24VDC	Rectangle RetroFit Kit	40	41	3,200	24	1.74	0.98	3 lbs
NIRT-080RK-24VDC	Rectangle RetroFit Kit	80	82	6,400	24	3.49	0.98	3 lbs
NIRT-100RK-24VDC	Rectangle RetroFit Kit	100	105	7,000	24	4.37	0.98	3 lbs
NIRT-120RK-24VDC	Rectangle RetroFit Kit	120	125	9,600	24	5.25	0.98	3 lbs
NIRT-150RK-24VDC	Rectangle RetroFit Kit	150	158	12,000	24	6.56	0.98	4 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
- 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
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Warranty 5 Year

BALLAST DIMENSIONS



Wattage	M.L.	W	L	H
40W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
80W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
100W	6.00 in.	3.00 in.	5.25 in.	1.75 in.
120W	7.50 in.	4.50 in.	6.25 in.	2.00 in.
150W	7.50 in.	4.50 in.	6.25 in.	2.00 in.

RECOMMENDED APPLICATION FIXTURES



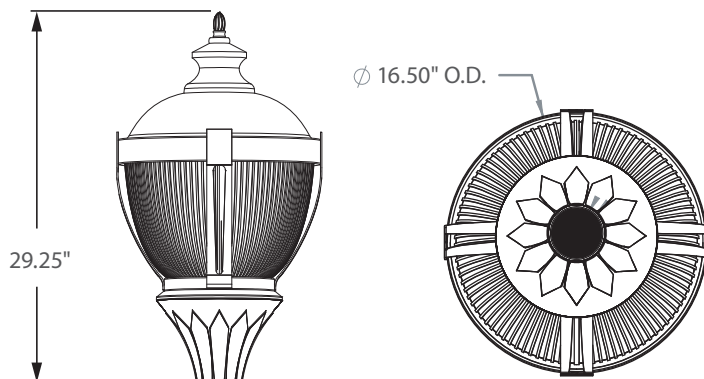
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 90 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type 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: 90050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
90 = Acorn / Post Top	50 = 50 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K* * Standard	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

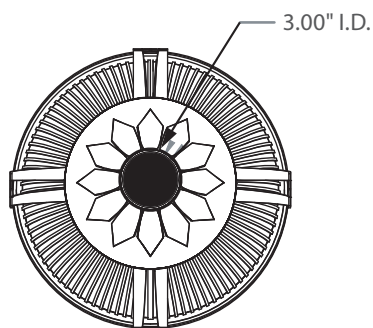
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
90050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	28 lbs

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 IP65
- Warranty 10 Year

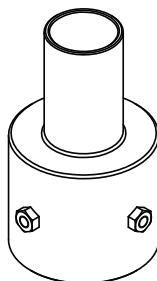
MOUNTING OPTIONS

SLIP-FIT MOUNT



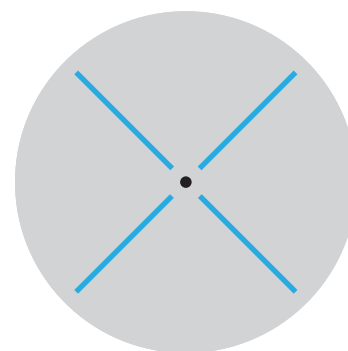
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



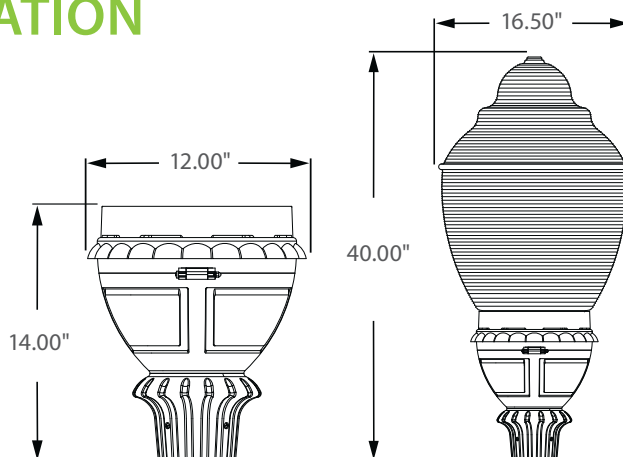
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 91 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type 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: 91050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
91 = Acorn / Post Top	050 = 50 W 080 = 80 W 100 = 100 W	24VDC = 24VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

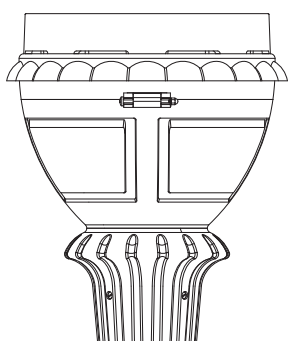
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
91050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	38 lbs
91080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs
91100-24VDC	Post Top Acorn Fixture	100	105	8,000	24	4.37	>0.98	38 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 IP65
- Warranty 10 Year

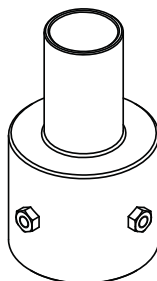
MOUNTING OPTIONS

SLIP-FIT MOUNT



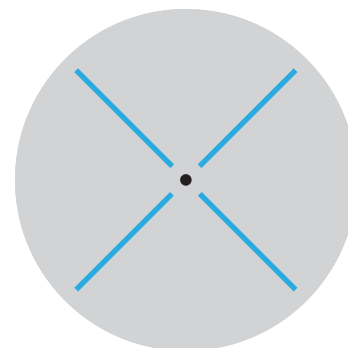
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



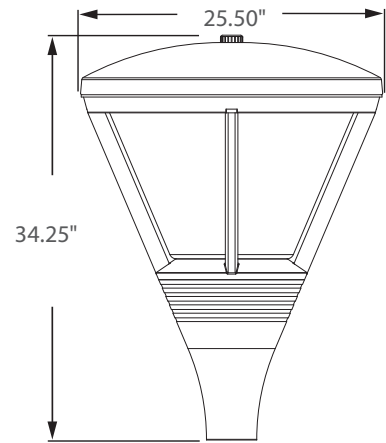
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 92 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- Custom designed anodized aluminum reflectors for superior illuminance.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 92050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
92 = Acorn / Post Top	050 = 50 W 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

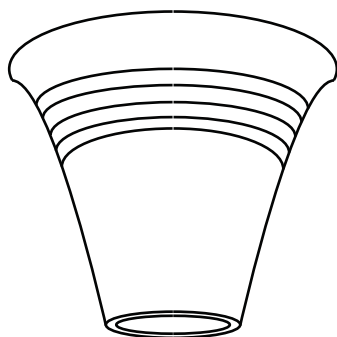
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
92050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	38 lbs
92080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs
92100-24VDC	Post Top Acorn Fixture	100	105	8,000	24	4.37	>0.98	38 lbs
92120-24VDC	Post Top Acorn Fixture	120	125	9,600	24	5.25	>0.98	38 lbs
92150-24VDC	Post Top Acorn Fixture	150	158	12,000	24	6.56	>0.98	38 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 IP65
- Warranty 10 Year

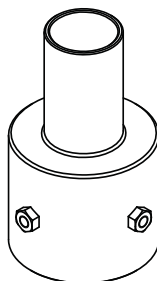
MOUNTING OPTIONS

SLIP-FIT MOUNT



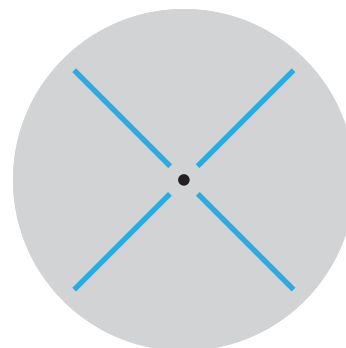
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



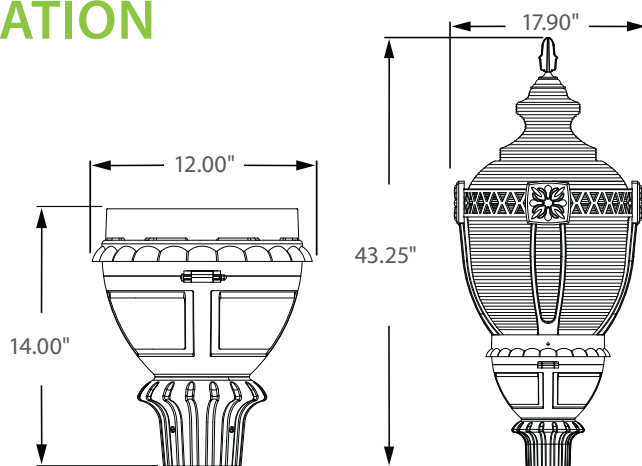
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 93 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type 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: 93050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
93 = Acorn / Post Top	050 = 50 W 080 = 80 W 100 = 100 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

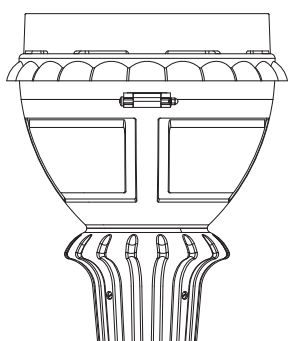
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
93050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	38 lbs
93080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs
93100-24VDC	Post Top Acorn Fixture	100	105	8,000	24	4.37	>0.98	38 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 IP65
- Warranty 10 Year

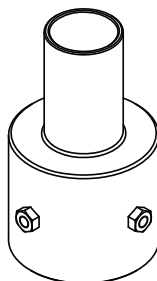
MOUNTING OPTIONS

SLIP-FIT MOUNT



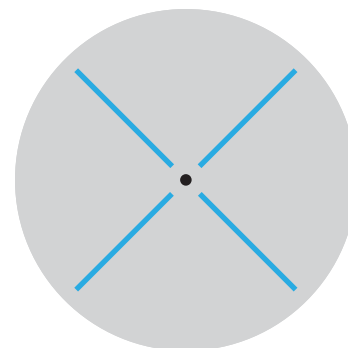
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



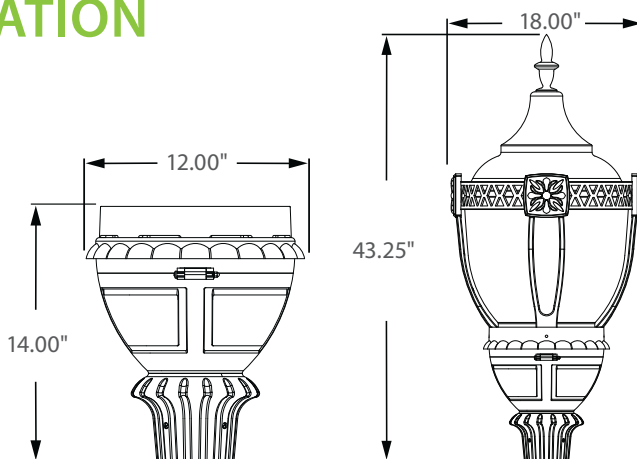
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 94 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing clear polycarbonate lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type 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: 94050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
94 = Acorn / Post Top	050 = 50 W 080 = 80 W 100 = 100 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K* * Standard	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

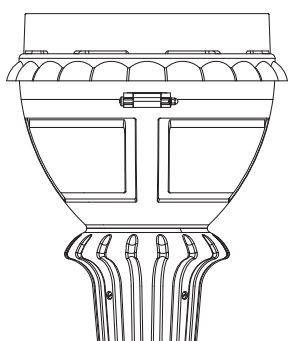
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
94050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	38 lbs
94080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs
94100-24VDC	Post Top Acorn Fixture	100	105	8,000	24	4.37	>0.98	38 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 IP65
- Warranty 10 Year

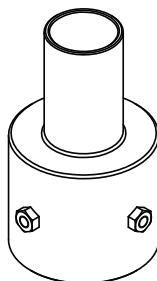
MOUNTING OPTIONS

SLIP-FIT MOUNT



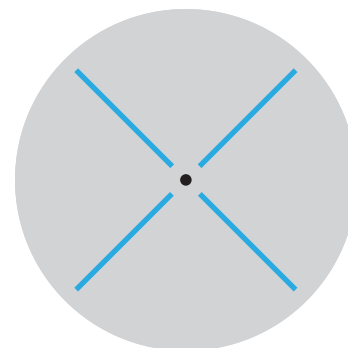
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



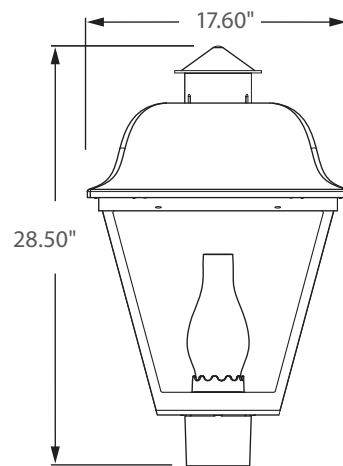
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 95 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing clear polycarbonate globe and lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type 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: 95050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Color
95 = Acorn / Post Top	050 = 50 W 080 = 80 W 100 = 100 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K* * Standard	BLK = Black * Custom Colors Available



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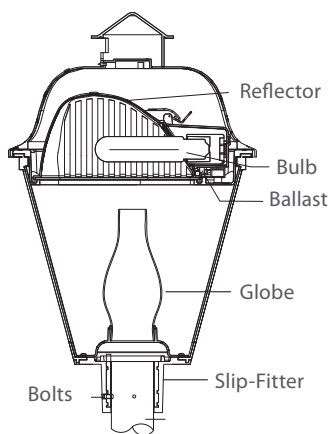
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
95050-24VDC	Post Top Acorn Fixture	50	51	3,500	24	2.18	>0.98	38 lbs
95080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs
95100-24VDC	Post Top Acorn Fixture	100	105	8,000	24	4.37	>0.98	38 lbs

SPECIFICATIONS

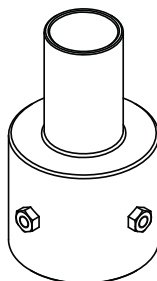
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



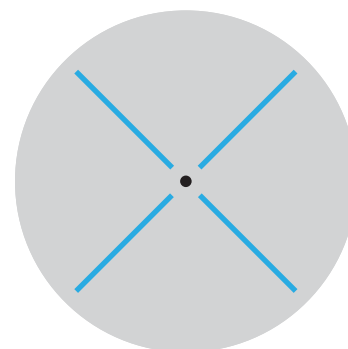
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



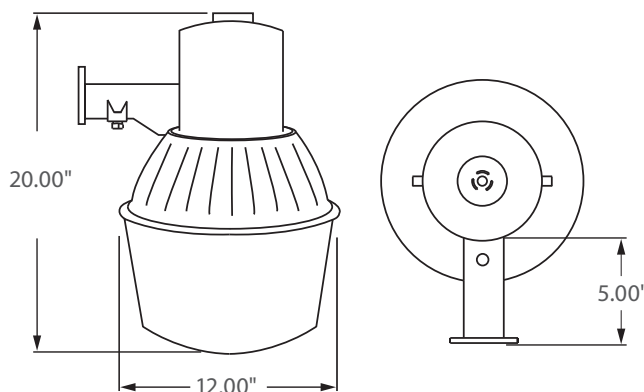
Type V Distribution

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13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



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 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



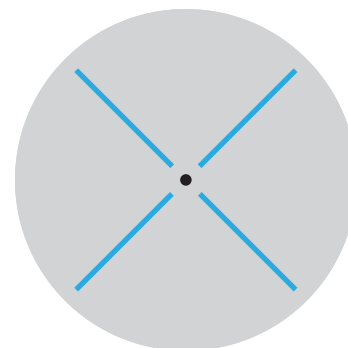
Accepts 1-1/4" - 2"
Round Tenon or Pole
(Hardware included)

Wall Mount



(Hardware Not included)

PHOTOMETRICS (See Complete IES File)



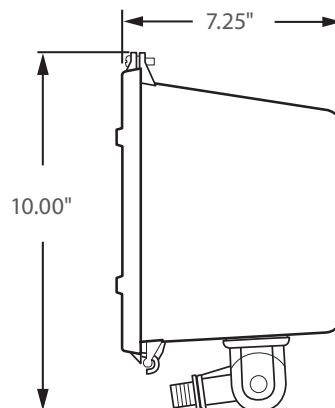
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction 1/2" NPT Flood fixtures features classic form and durability to make it an excellent choice for new construction or retrofit applications. Uses a 1/2" NPT mount to fit into existing applications. 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 Building Accent Lighting
- Solar Landscape Lighting
- Solar Sign Lighting
- Solar Flag Pole Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 65040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
65 = Flood Light - 1/2 NPT	040 = 40 W 050 = 50 W	24VDC = 24VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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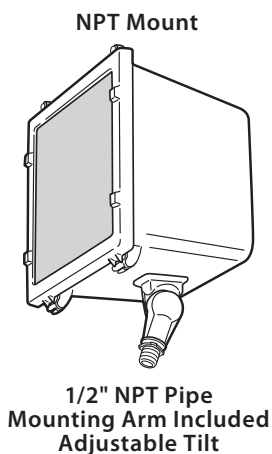
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
65040-24VDC	NPT Flood Fixture	40	41	3,200	24	1.74	0.98	8 lbs
65050-24VDC	NPT Flood Fixture	50	52	4,000	24	2.18	0.98	8 lbs

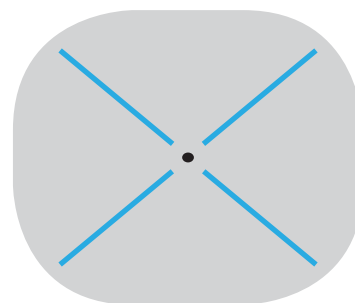
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



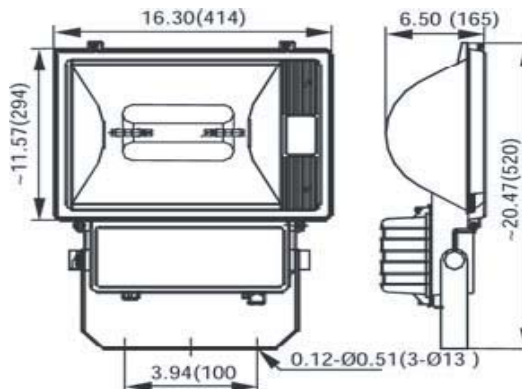
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction Flood fixtures features classic form and durability to make it an excellent choice for new construction or retrofit applications. The 33 series flood uses a yoke bracket mounting arm and a variety of wattages to provide 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 250W.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Sign Lighting
- Solar Flag Pole Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens.
- Yoke bracket mounting to allow for adjustable angles.
- Corrosion resistant electrocoat black finish (custom colors available).
- 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, 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: 33040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
33 = Flood Light	040 = 40 W 085 = 85 W 100 = 100 W	24VDC = 24VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



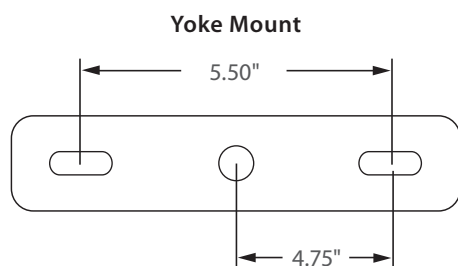
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
33040-24VDC	Flood Light Fixture	40	41	3,200	24	1.74	0.98	10 lbs
33085-24VDC	Flood Light Fixture	85	87	6,800	24	3.71	0.98	12 lbs
33100-24VDC	Flood Light Fixture	100	105	8,000	24	4.37	0.98	12 lbs

SPECIFICATIONS

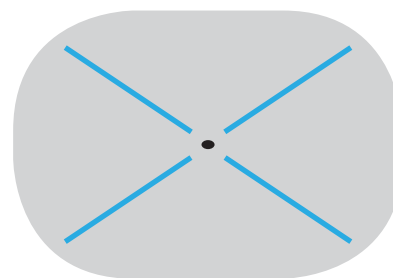
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



Mounting Arm Included
Adjustable Tilt

PHOTOMETRICS (See Complete IES File)



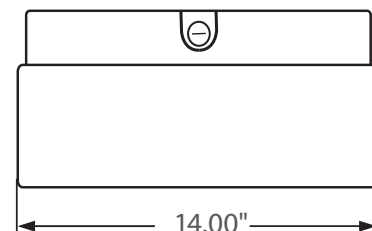
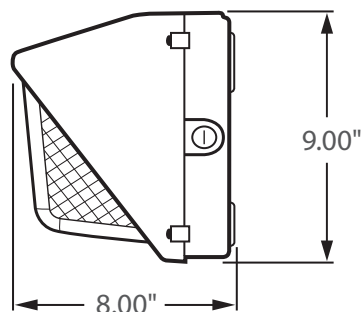
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21040FLD-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	040 = 40 W	FLD = Flood Type	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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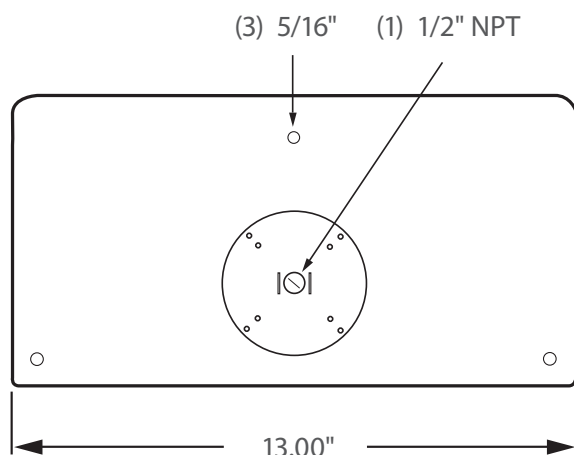
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21040FLD-24VDC	Wall Pack - Flood Type	40	41	3,200	24	1.74	0.98	18 lbs

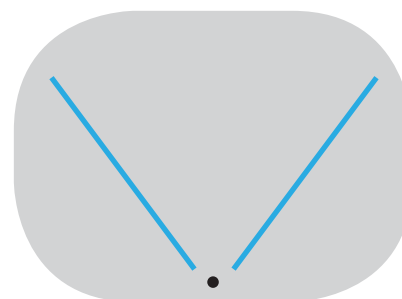
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



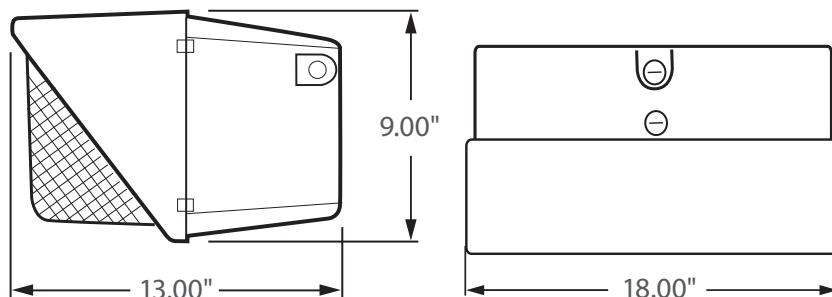
Type IV Distribution

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13950 Business Center Drive
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21080FLD-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	080 = 80 W 100 = 100 W 150 = 150 W	FLD = Flood Type	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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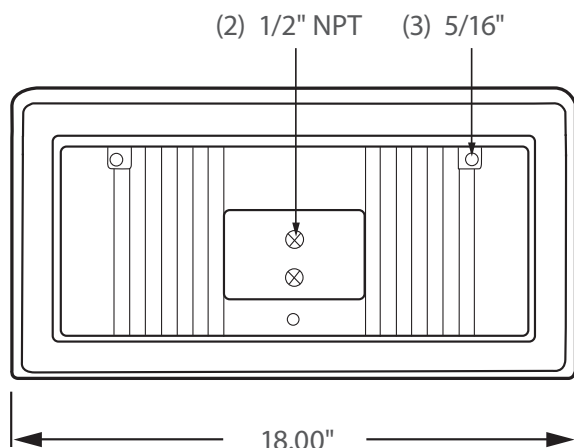
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21080FLD-24VDC	Wall Pack - Flood Type	80	82	6,400	24	3.49	0.98	25 lbs
21100FLD-24VDC	Wall Pack - Flood Type	100	105	8,000	24	4.37	0.98	25 lbs
21150FLD-24VDC	Wall Pack - Flood Type	150	158	12,000	24	6.56	0.98	25 lbs

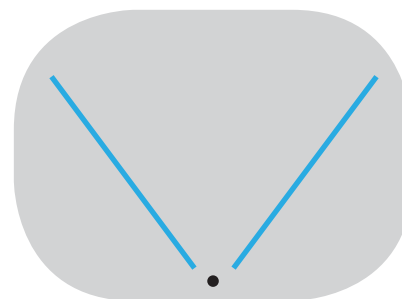
SPECIFICATIONS

- 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
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



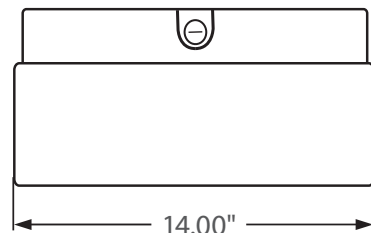
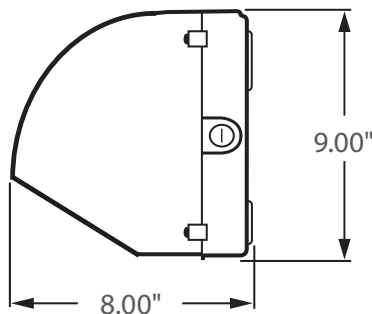
Type IV Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" Semi Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant flat frosted glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21040SCT-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	040 = 40 W	SCT = Semi Cut-Off	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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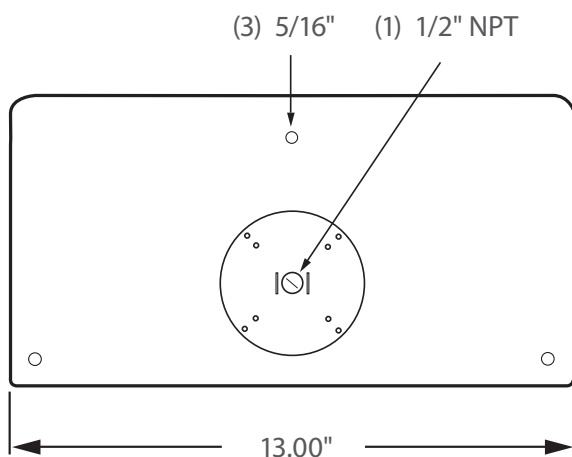
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21040SCT-24VDC	Wall Pack - Semi Cut-Off	40	41	3,200	24	1.74	0.98	18 lbs

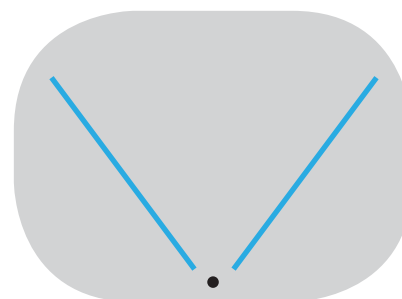
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



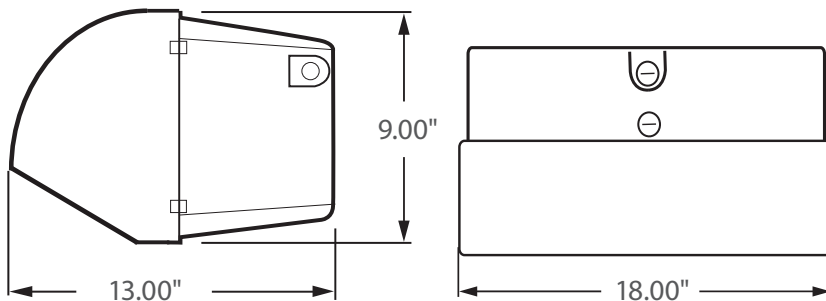
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Semi Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant flat frosted glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21080SCT-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	080 = 80 W 100 = 100 W 150 = 150 W	SCT = Semi Cut-Off	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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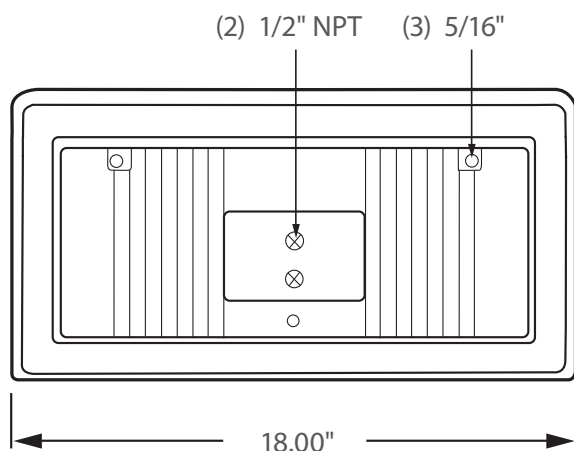
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21080SCT-24VDC	Wall Pack - Semi Cut-Off	80	82	6,400	24	3.49	0.98	25 lbs
21100SCT-24VDC	Wall Pack - Semi Cut-Off	100	105	8,000	24	4.37	0.98	25 lbs
21150SCT-24VDC	Wall Pack - Semi Cut-Off	150	158	12,000	24	6.56	0.98	25 lbs

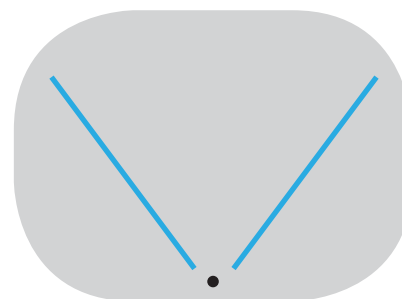
SPECIFICATIONS

- 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
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



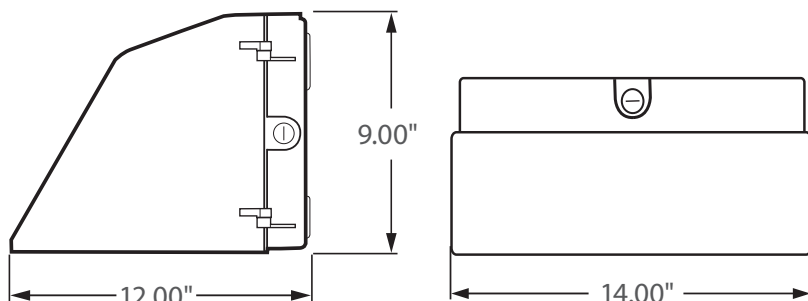
Type IV Distribution

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13950 Business Center Drive
Lake Forest, IL 60045
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Full Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The full cut-off wall packs are suitable for dark sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21040FCT-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	040 = 40 W	FCT = Full Cut-Off	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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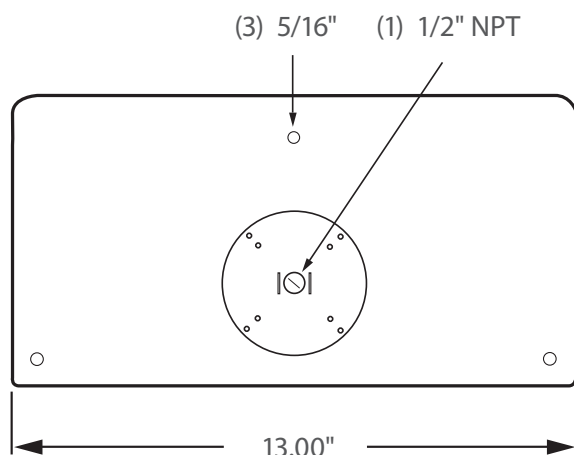
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21040FCT-24VDC	Wall Pack - Full Cut-Off	40	41	3,200	24	1.74	0.98	18 lbs

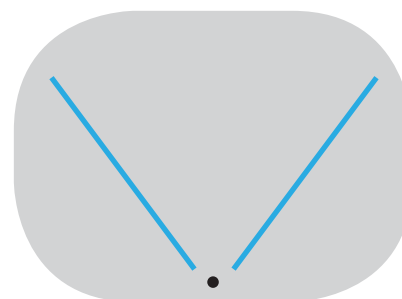
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



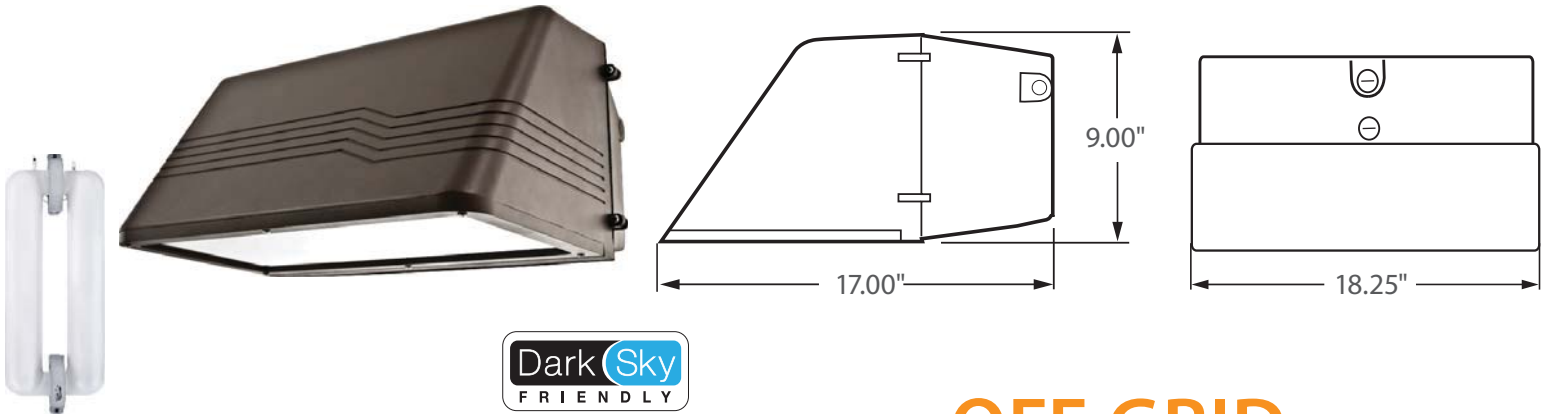
Type IV Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 8-2012

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Full Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The full cut-off wall packs are suitable for dark sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- 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, 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: 21080FCT-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Lens Type	Voltage	Color Temp	Accessories	Color
21 = Wall Pack	080 = 80 W 100 = 100 W 150 = 150 W	FCT = Full Cut-Off	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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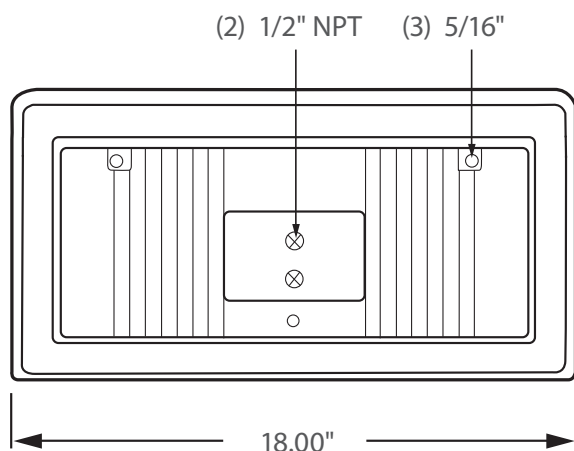
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
21080FCT-24VDC	Wall Pack - Full Cut-Off	80	82	6,400	24	3.49	0.98	25 lbs
21100FCT-24VDC	Wall Pack - Full Cut-Off	100	105	8,000	24	4.37	0.98	25 lbs
21150FCT-24VDC	Wall Pack - Full Cut-Off	150	158	12,000	24	6.56	0.98	25 lbs

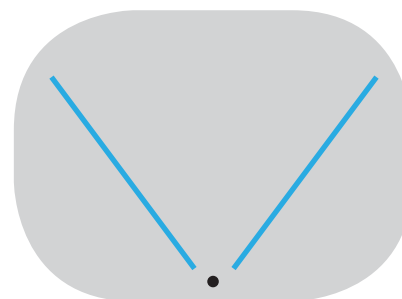
SPECIFICATIONS

- 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
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



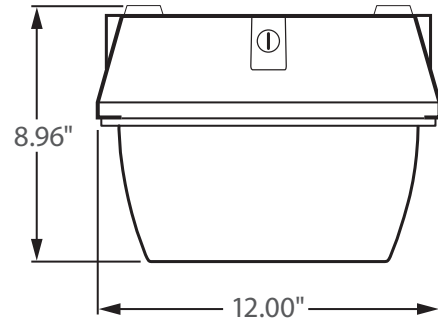
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 12" square Induction canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 12 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION

- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Easy removal lens with (4) stainless steel screws.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 12040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
12 = 12" Square Canopy	040 = 40 W 080 = 80 W 100 = 100 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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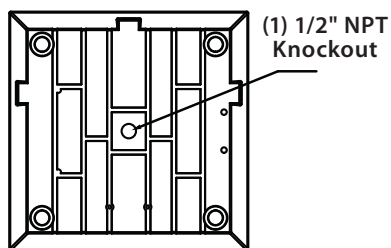
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
12040-24VDC	12" Square Canopy	40	41	3,200	24	1.74	0.98	10 lbs
12080-24VDC	12" Square Canopy	80	82	6,400	24	3.49	0.98	12 lbs
12100-24VDC	12" Square Canopy	100	105	8,000	24	4.37	0.98	12 lbs

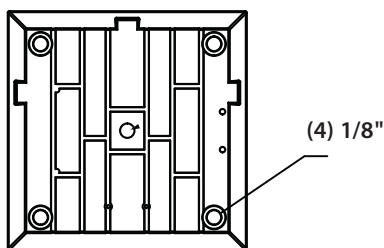
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS

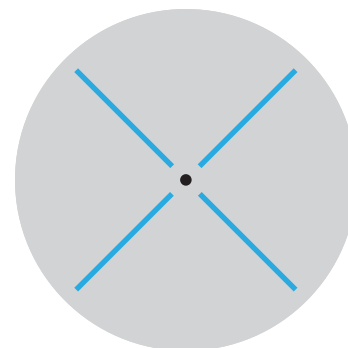


Pendant Mount



Surface Mount

PHOTOMETRICS (See Complete IES File)



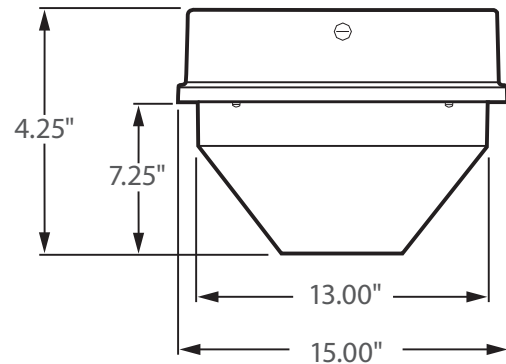
Type V Distribution

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 15" cone Induction canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 13 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION

- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Easy removal lens with (4) stainless steel screws.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 13040-24VDC-850-LD-120V-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
13 = 15" Conical Canopy	040 = 40 W 080 = 80 W 100 = 100 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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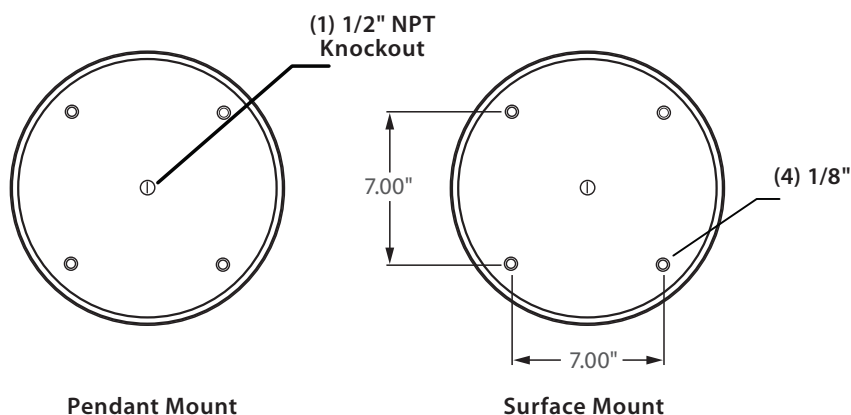
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
13040-24VDC	15" Conical Canopy	40	41	3,200	24	1.74	0.98	10 lbs
13080-24VDC	15" Conical Canopy	80	82	6,400	24	3.49	0.98	12 lbs
13100-24VDC	15" Conical Canopy	100	105	8,000	24	4.37	0.98	12 lbs

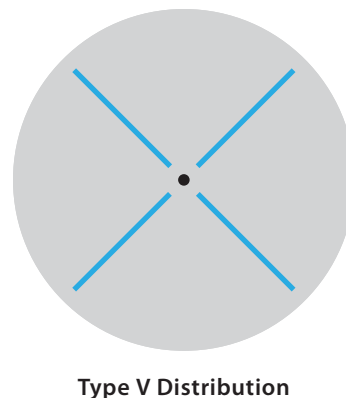
SPECIFICATIONS

- 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 IP65
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)

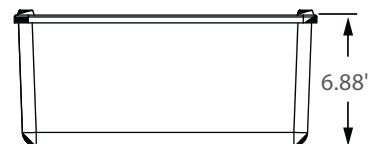
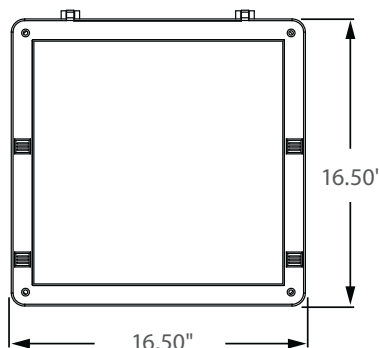


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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 16" Induction shoebox combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 16 series shoebox 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 250W.

APPLICATION

- Solar Parking Lot Lighting
- Solar Car Lot Lighting
- Solar Area & Storage Lighting
- Solar Street Lighting
- Solar Walkway Lighting
- Solar Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 16040-24VDC-SA6-850-LD-BRZ
Custom options and accessories available. Please consult factory.

Series	Lamp Wattage	Voltage	Mounting	Color Temp	Accessories	Color
16 = 16" Shoebox	040 = 40 W 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	SA6 = 6" Side Arm SA12 = 12" Side Arm WM6 = 6" Wall Mount WM12 = 12" Wall Mount SA6R = 6" Side Arm - Round Pole Adapter SA12R = 12" Side Arm - Round Pole Adapter	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector/Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available

* See Pg. 2 for suggested mounting options



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PRODUCT INFORMATION

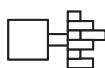
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
16040-24VDC	16" Shoebox Fixture	40	41	3,200	24	1.74	0.98	25 lbs
16080-24VDC	16" Shoebox Fixture	80	82	6,400	24	3.49	0.98	28 lbs
16100-24VDC	16" Shoebox Fixture	100	105	8,000	24	4.37	0.98	28 lbs
16120-24VDC	16" Shoebox Fixture	120	125	9,600	24	5.25	0.98	28 lbs
16150-24VDC	16" Shoebox Fixture	150	158	12,000	24	6.56	0.98	28 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 CONFIGURATION

Wall Mount
(WM6, WM12)



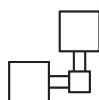
Arm Mount Single
(SA6, SA12)



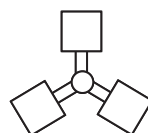
Arm Mount 2 @ 180°
(SA6, SA12)



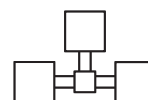
Arm Mount 2 @ 90°
(SA6, SA12)



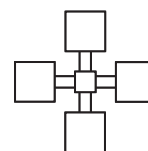
Arm Mount 3 @ 120°
(SA6R, SA12R)



Arm Mount 3 @ 90°
(SA6, SA12)

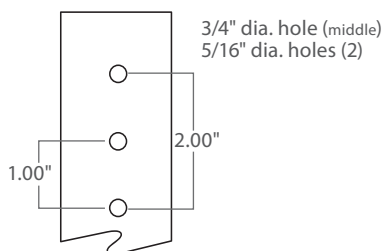


Arm Mount 4 @ 90°
(SA6, SA12)

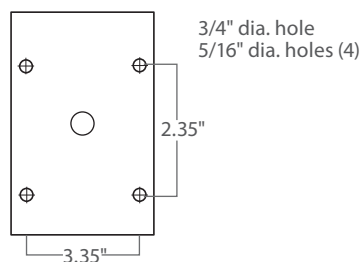


DRILLING PATTERNS

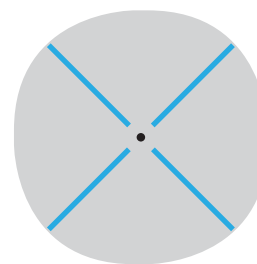
SA6, SA12, SA6R, SA12R



WM6, WM12



PHOTOMETRICS (See Complete IES File)



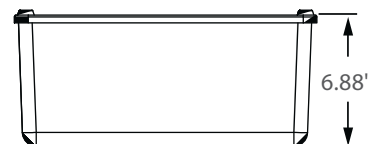
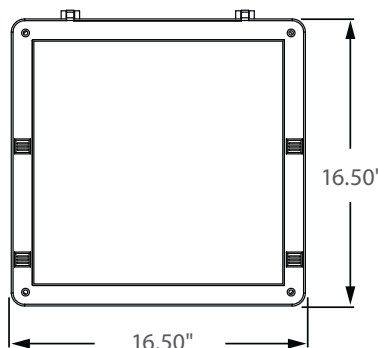
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 16" Induction flood fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 38 series flood 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 250W.

APPLICATION

- Solar Parking Lot Lighting
- Solar Car Lot Lighting
- Solar Area & Storage Lighting
- Solar Street Lighting
- Solar Walkway Lighting
- Solar Building Accent Lighting
- Solar Sign / Monument Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 38080-24VDC-SF-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Mounting	Color Temp	Accessories	Color
38 = 16" Flood	040 = 40 W 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	SF = Slip Fitter YK = Yoke Bracket	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Detector/Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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PRODUCT INFORMATION

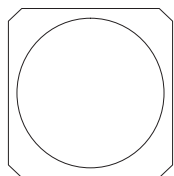
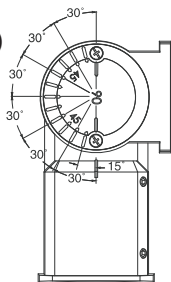
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
38040-24VDC	16" Flood Fixture	40	41	3,200	24	1.74	0.98	25 lbs
38080-24VDC	16" Flood Fixture	80	82	6,400	24	3.49	0.98	28 lbs
38100-24VDC	16" Flood Fixture	100	105	8,000	24	4.37	0.98	28 lbs
38120-24VDC	16" Flood Fixture	120	125	9,600	24	5.25	0.98	28 lbs
38150-24VDC	16" Flood Fixture	150	158	12,000	24	6.56	0.98	28 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

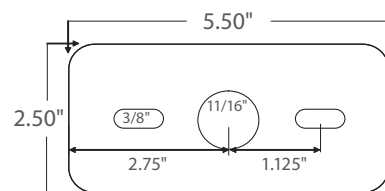
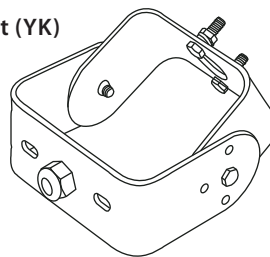
MOUNTING OPTIONS

Slip Fitter (SF)

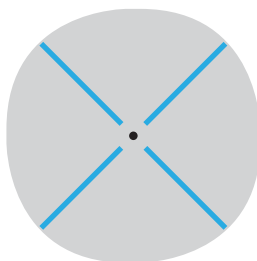


2-1/2" I.D.
Accepts up to 2-3/8"
Tenon or Pipe

Yoke Bracket (YK)



PHOTOMETRICS (See Complete IES File)



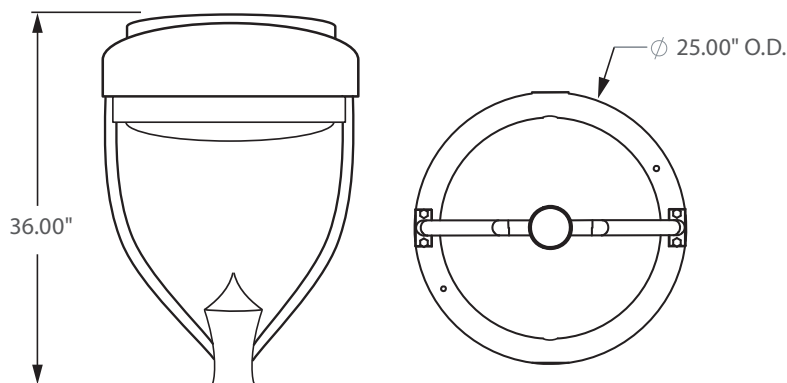
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Induction Round Post-top fixtures combines architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 35 series post-top fixture is offered in a variety of wattages 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 400W.

APPLICATION

- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Street 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 bubbled glass lens.
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Corrosion resistant electrocoat dark bronze finish. (custom colors available)
- Aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 35080-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
35 = Round Pot-Top	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Sensor /Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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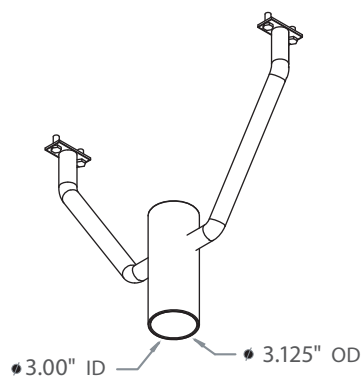
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
35080-24VDC	Round Post Top Fixture	80	82	6,400	24	3.49	0.98	45 lbs
35100-24VDC	Round Post Top Fixture	100	105	8,000	24	4.37	0.98	45 lbs
35120-24VDC	Round Post Top Fixture	120	125	9,600	24	5.25	0.98	45 lbs
35150-24VDC	Round Post Top Fixture	150	158	12,000	24	6.56	0.98	45 lbs

SPECIFICATIONS

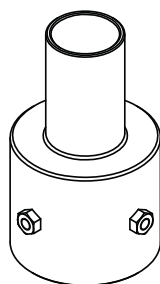
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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 1.30
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



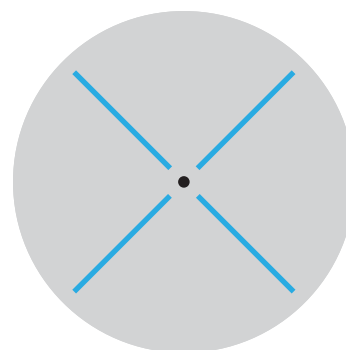
Accepts up to 2-7/8\" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3\", 4\", & 5\" O.D. Poles

PHOTOMETRICS (See Complete IES File)



Type V Distribution

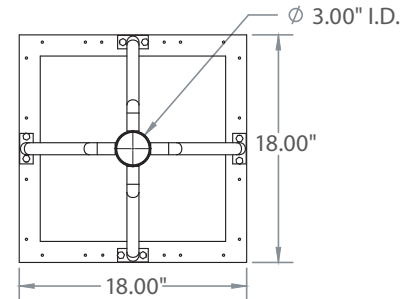
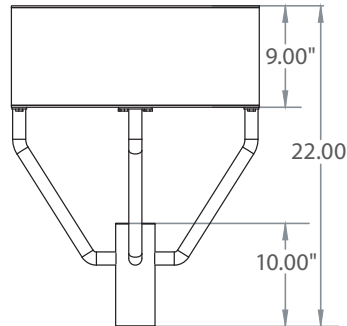
Neptun Light, Inc.
13950 Business Center Drive
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Spec. Rev. 1-2013



24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Induction Square Post-Top fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 64 series square post-top fixture is offered in a variety of wattages 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 400W.

APPLICATION

- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Street 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 flat glass lens. (IESNA full-cutoff)
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Corrosion resistant electrocoat dark bronze finish. (custom colors available)
- Aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular 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: 64080-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
64 = Square Pot-Top	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Light Sensor /Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



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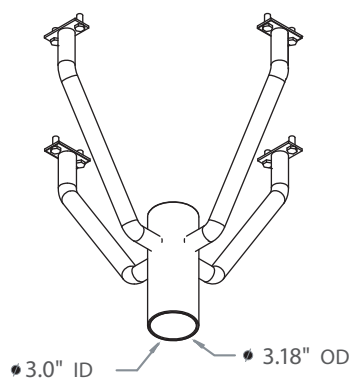
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
64080-24VDC	Square Post Top Fixture	80	82	6,400	24	3.49	0.98	35 lbs
64100-24VDC	Square Post Top Fixture	100	105	8,000	24	4.37	0.98	35 lbs
64120-24VDC	Square Post Top Fixture	120	125	9,600	24	5.25	0.98	35 lbs
64150-24VDC	Square Post Top Fixture	150	158	12,000	24	6.56	0.98	35 lbs

SPECIFICATIONS

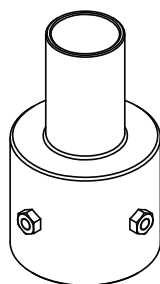
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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 1.21
- IP Rating IP65
- Warranty 10 Year

MOUNTING OPTIONS



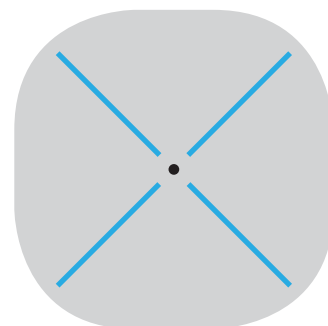
Accepts up to 2-7/8\"/>

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3\", 4\", & 5\"/>

PHOTOMETRICS (See Complete IES File)



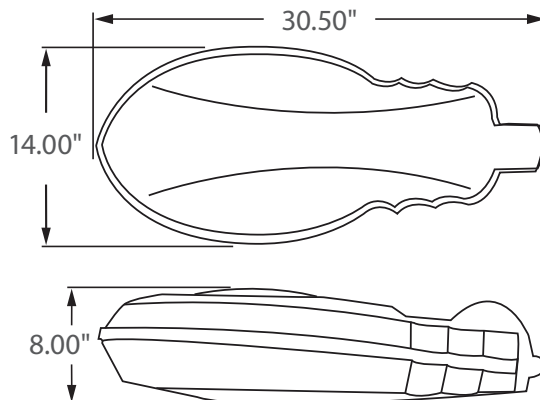
Type V Distribution

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Spec. Rev. 1-2013

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).
- Toolless 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



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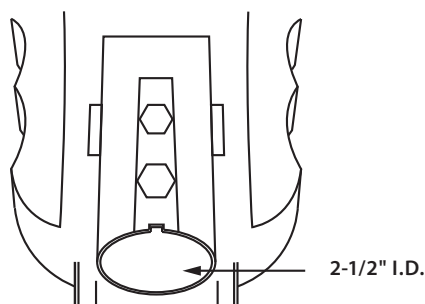
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
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

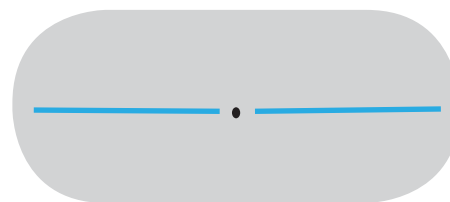
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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)



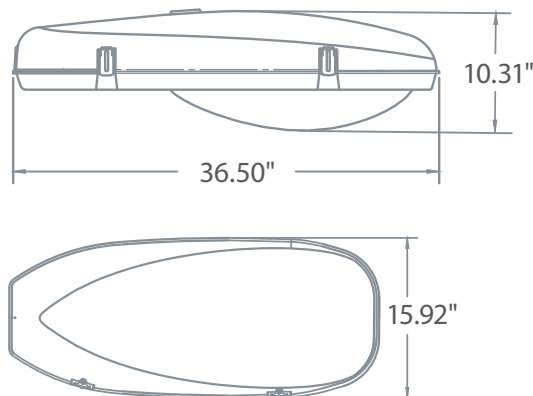
Type II Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID 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 dark grey finish (custom colors available).
- 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, 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: 85080-24VDC-850-LD-DGRY
Custom options and accessories available. Please consult factory

Series	Lamp Wattage	Voltage	Color Temp	Accessories	Color
85 = 36" Cobra Head	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24VDC	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Twistlock Photocell	DGRY = Dark Grey * Custom Colors Available



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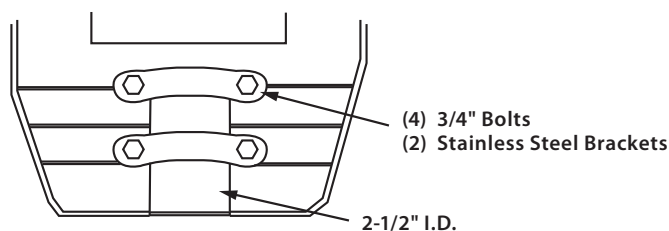
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
85080-24VDC	Street Light Fixtures	80	82	6,400	24	3.49	0.98	32 lbs
85100-24VDC	Street Light Fixtures	100	105	8,000	24	4.37	0.98	32 lbs
85120-24VDC	Street Light Fixtures	120	125	9,600	24	5.25	0.98	32 lbs
85150-24VDC	Street Light Fixtures	150	158	12,000	24	6.56	0.98	32 lbs

SPECIFICATIONS

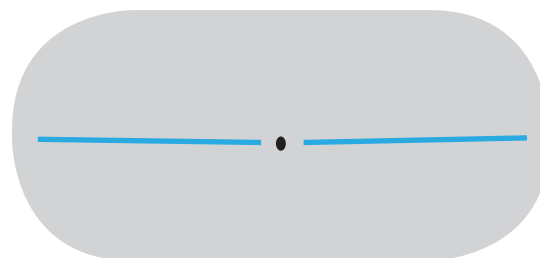
- Ballast Type Electronic
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Lamp Operating Frequency 250 kHz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- Lamp / Ballast System Life 100,000 Hrs.
- Lumen Maintenance @75,000Hrs > 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 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

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

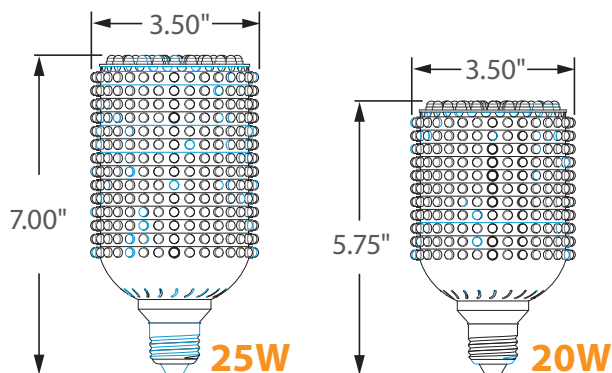
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Spec. Rev. 1-2012

24VDC OPERATION



**UP TO 75%
ENERGY SAVINGS**



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED retrofit lamp is designed for use in decorative acorn and bollard style fixtures in retrofit or new fixture applications. The LED-148 series retrofit lamp features excellent optics for increased visibility and security with a 360° light engine to evenly illuminate area. Offered in a variety of color temperatures to closely resemble HID style bulbs. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID lamps up to 100 Watts.

APPLICATION

- Solar Post Top Fixtures
- Solar Acorn Fixtures
- Solar Bollard Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Cast aluminum heat sink.
- Internally driven (self-ballasted) driver for easy installation.
- 380 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-148020-24VDC-750-E26
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp	Base
LED = LED	148 = Retrofit Lamp	020 = 20 W 025 = 25 W	24VDC = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	E26 = Medium Base E40 = Mogul Base



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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
LED-148020-24VDC	LED Acorn Retrofit Lamp	20	21	1,700	24	0.87	>0.98	1 lb
LED-148025-24VDC	LED Acorn Retrofit Lamp	25	26	2,125	24	1.09	>0.98	1 lb

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 40°C
- Lumens per Watt > 79
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Warranty 5 Year

RECOMMENDED APPLICATION FIXTURES



* Contact Factory for Application Verification.

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13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

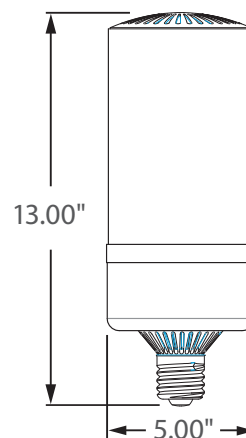
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Spec. Rev. 1-2013



24VDC OPERATION

**UP TO 75%
ENERGY SAVINGS**



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED retrofit lamp is designed for use in decorative acorn style fixtures in retrofit or new fixture applications. The LED-48 series retrofit lamp features excellent optics for increased visibility and security with a 360° light engine to evenly illuminate area. Offered in a variety of color temperatures to closely resemble HID style bulbs. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID lamps up to 250 Watts.

APPLICATION

- Decorative Post Top Fixtures
- Decorative Acorn Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Cast aluminum heat sink.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Internally driven (self-ballasted) driver for easy installation.
- 960 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-48040-24VDC-750-E40
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp	Base
LED = LED	48 = Retrofit Lamp	040 = 40 W 060 = 60 W 080 = 80 W	24VDC = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	E40 = Mogul Base



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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
LED-48040-24VDC	LED Acorn Retrofit Lamp	40	42	3,600	24	1.74	>0.98	3 lbs
LED-48060-24VDC	LED Acorn Retrofit Lamp	60	62	4,800	24	2.62	>0.98	3 lbs
LED-48080-24VDC	LED Acorn Retrofit Lamp	80	82	6,400	24	3.49	>0.98	3 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 40°C
- Lumens per Watt > 79
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Warranty 5 Year

RECOMMENDED APPLICATION FIXTURES



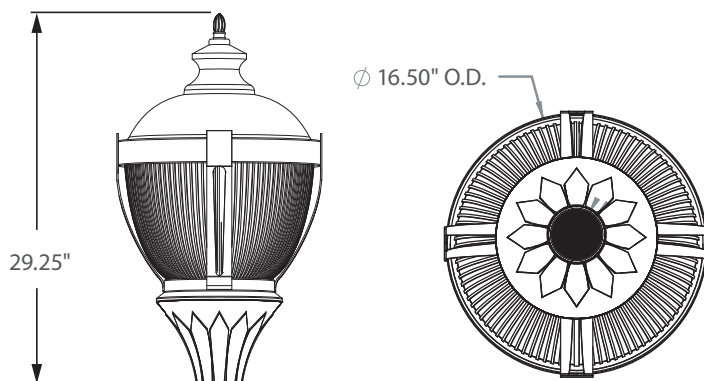
* Recommended for Base Down Applications.
* Contact Factory for Application Verification.

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 90 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-90020-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
LED = LED	90 = Acorn / Post Top	020 = 20 W 025 = 25 W 040 = 40 W 060 = 60 W 080 = 80 W	24VDV = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



PRODUCT INFORMATION

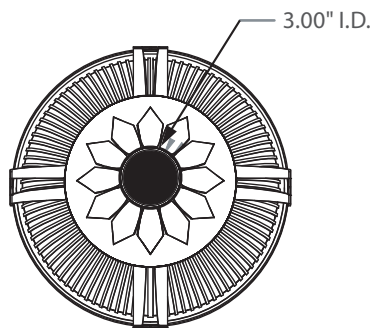
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-90020-24VDC	Post Top Acorn Fixture	20	21	1,700	24	0.87	>0.98	25 lbs
LED-90025-24VDC	Post Top Acorn Fixture	25	26	2,275	24	1.09	>0.98	25 lbs
LED-90040-24VDC	Post Top Acorn Fixture	40	42	3,600	24	1.74	>0.98	25 lbs
LED-90060-24VDC	Post Top Acorn Fixture	60	62	4,800	24	2.62	>0.98	25 lbs
LED-90080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	25 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

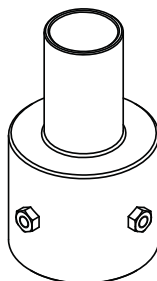
MOUNTING OPTIONS

SLIP-FIT MOUNT



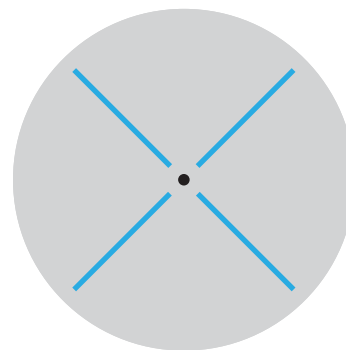
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



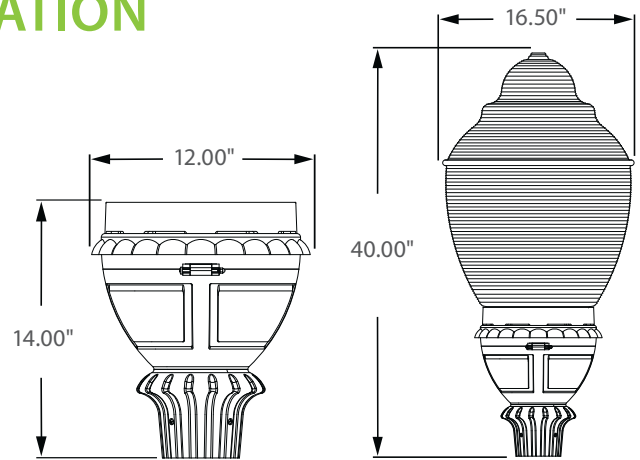
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 91 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-91040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
LED = LED	91 = Acorn / Post Top	040 = 40 W 060 = 60 W 080 = 80 W	24VDV = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



PRODUCT INFORMATION

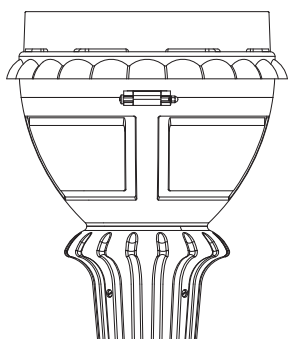
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-91040-24VDC	Post Top Acorn Fixture	40	42	3,600	24	1.74	>0.98	35 lbs
LED-91060-24VDC	Post Top Acorn Fixture	60	62	4,800	24	2.62	>0.98	35 lbs
LED-91080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

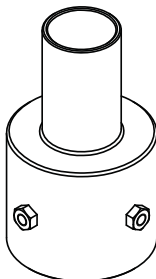
MOUNTING OPTIONS

SLIP-FIT MOUNT



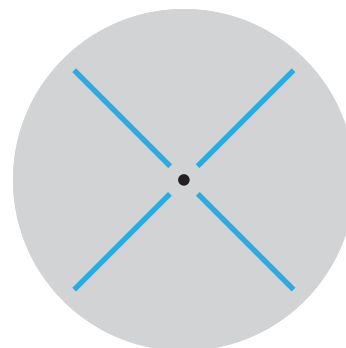
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



Type V Distribution

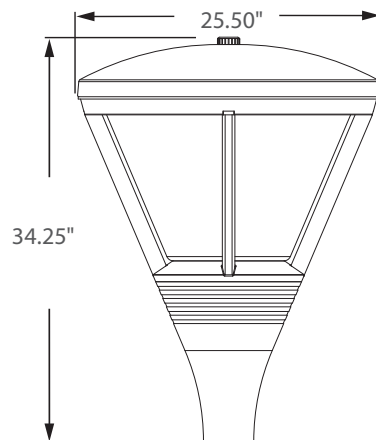
Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013



24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 92 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-92040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
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LED = LED	92 = Acorn / Post Top	040 = 40 W 060 = 60 W 080 = 80 W	24VDC = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



PRODUCT INFORMATION

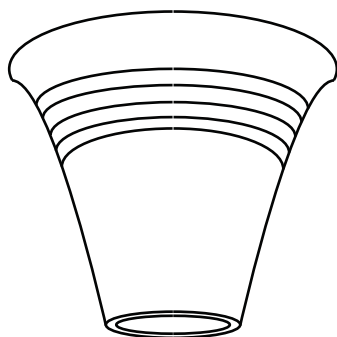
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-92040-24VDC	Post Top Acorn Fixture	40	42	3,600	24	1.74	>0.98	38 lbs
LED-92060-24VDC	Post Top Acorn Fixture	60	62	4,800	24	2.62	>0.98	38 lbs
LED-92080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	38 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

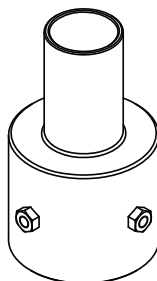
MOUNTING OPTIONS

SLIP-FIT MOUNT



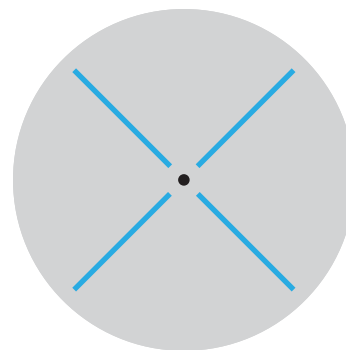
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



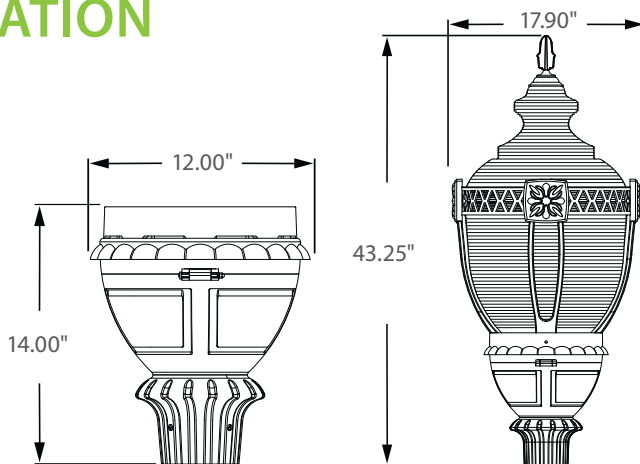
Type V Distribution

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13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 93 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-93040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
LED = LED	93 = Acorn / Post Top	040 = 40 W 060 = 60 W 080 = 80 W	24VDV = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



PRODUCT INFORMATION

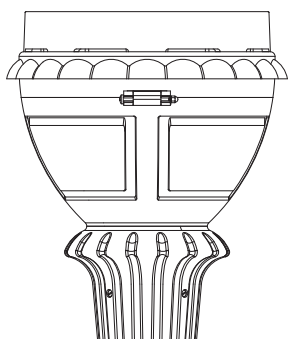
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-93040-24VDC	Post Top Acorn Fixture	40	42	3,600	24	1.74	>0.98	35 lbs
LED-93060-24VDC	Post Top Acorn Fixture	60	62	4,800	24	2.62	>0.98	35 lbs
LED-93080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

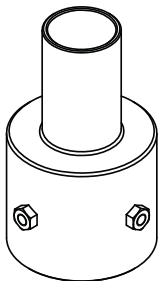
MOUNTING OPTIONS

SLIP-FIT MOUNT



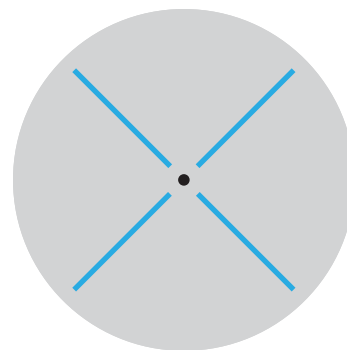
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



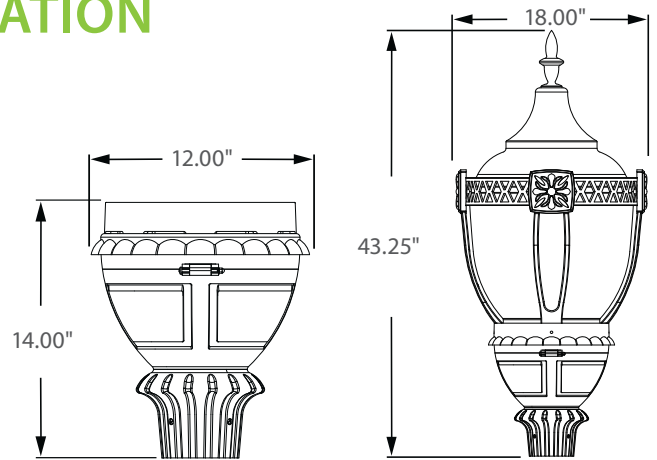
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 94 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-94040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
LED = LED	94 = Acorn / Post Top	040 = 40 W 060 = 60 W 080 = 80 W	24VDV = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



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PRODUCT INFORMATION

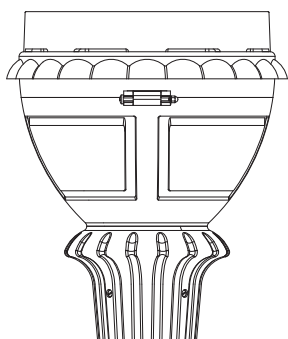
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-94040-24VDC	Post Top Acorn Fixture	40	42	3,600	24	1.74	>0.98	35 lbs
LED-94060-24VDC	Post Top Acorn Fixture	60	62	4,800	24	2.62	>0.98	35 lbs
LED-94080-24VDC	Post Top Acorn Fixture	80	82	6,400	24	3.49	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

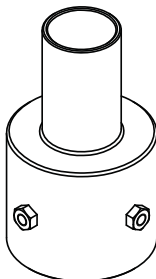
MOUNTING OPTIONS

SLIP-FIT MOUNT



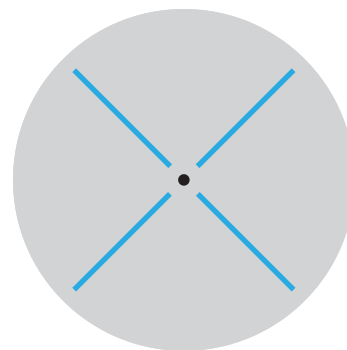
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



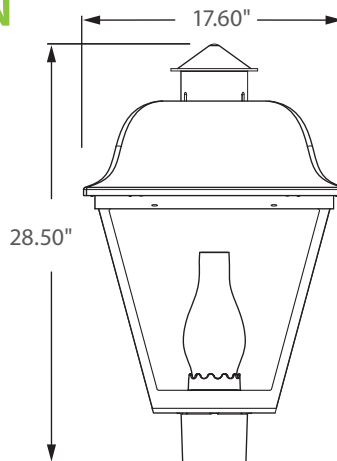
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 95 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 100W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self- ballasted lamp.
- High power factor, 24 Volt DC driver.
- 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 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-95020-24VDC-750-BLK
Custom options and accessories available. Please consult factory

Source	Series	Lamp Wattage	Voltage	Color Temp	Color
LED = LED	95 = Acorn / Post Top	020 = 20 W 025 = 25 W	24VDV = 24 VDC	730 = 3000°K 741 = 4100°K 750 = 5000°K	BLK = Black * Custom Colors Available



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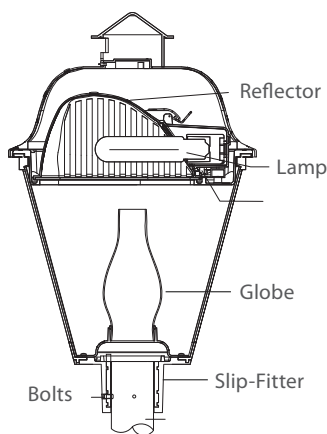
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-95020-24VDC	Post Top Acorn Fixture	20	21	1,700	24	0.87	>0.98	25 lbs
LED-95025-24VDC	Post Top Acorn Fixture	25	26	2,275	24	1.09	>0.98	25 lbs

SPECIFICATIONS

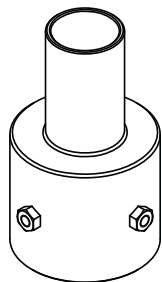
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



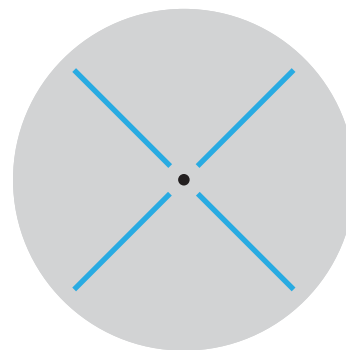
Accepts up to 2-7/8" O.D.
Round Tenon or Pole

IOP-RPTR (contact factory)



Round Pole Tenon Reducers
available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)



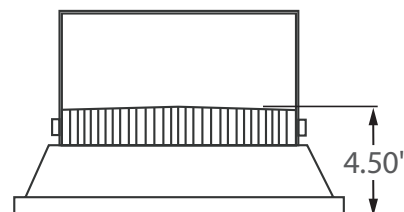
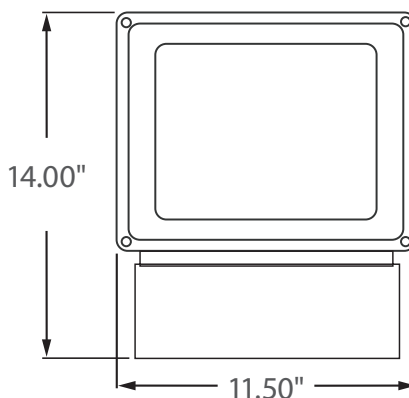
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Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED Flood fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's 50 series fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID fixtures up to 150 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Heat and impact resistant frosted flat glass lens.
- Aluminum door frame incorporates stainless steel hardware.
- Adjustable yoke bracket mounting.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 1 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-50030-24VDC-750-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp	Color
LED = LED	50 = Flood Light	030 = 30 W 050 = 50 W	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	GRY = Grey * Custom Colors Available



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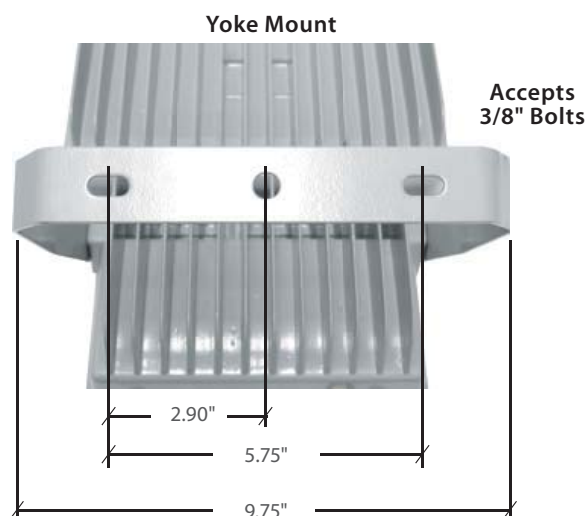
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-50030-24VDC	LED Flood Fixture	30	32	2,400	24	1.31	>0.98	12 lbs
LED-50050-24VDC	LED Flood Fixture	50	52	4,000	24	2.18	>0.98	12 lbs

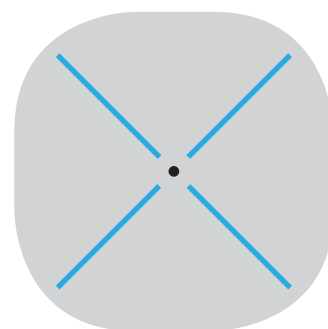
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



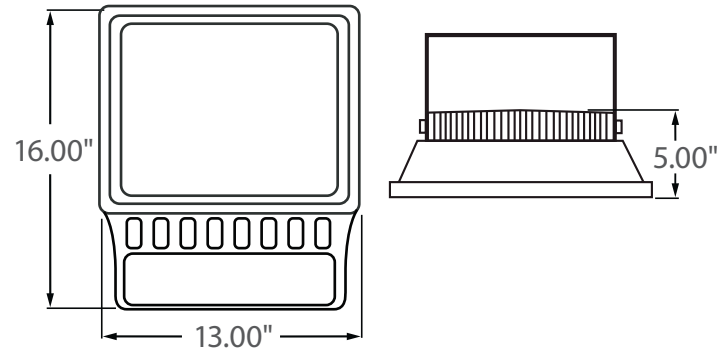
Type V Distribution

Neptun Light, Inc.
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED Flood fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's 50 series fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION

- Building Accent Lighting
- Landscape Lighting
- Security Lighting
- Parking Lot Lighting
- Area Lighting
- Storage Area Lighting
- Sign Lighting

STRUCTURE, MATERIALS, & FEATURES

- Cast aluminum finned heat sink for excellent thermal properties.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Heat and impact resistant frosted flat glass lens.
- Aluminum door frame incorporates stainless steel hardware.
- Adjustable yoke bracket mounting.
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 40 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-50080-24VDC-750-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp	Color
LED = LED	50 = Flood Light	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	GRY = Grey * Custom Colors Available



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PRODUCT INFORMATION

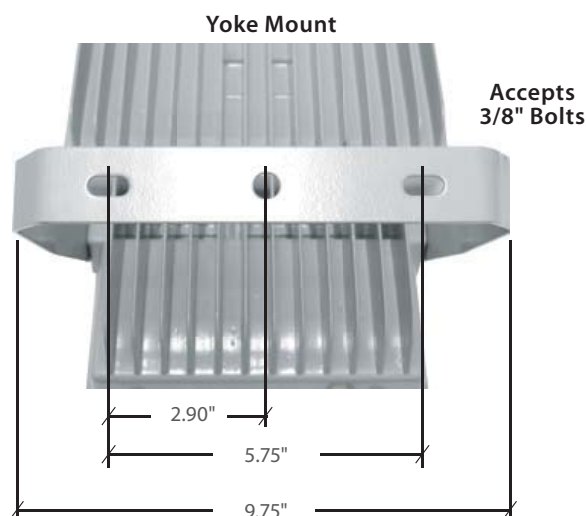
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-50080-24VDC	LED Flood Fixture	80	82	6,400	24	3.49	>0.98	18 lbs
LED-50100-24VDC	LED Flood Fixture	100	102	7,800	24	4.37	>0.98	18 lbs
LED-50120-24VDC	LED Flood Fixture	120	122	9,000	24	5.25	>0.98	18 lbs
LED-50150-24VDC	LED Flood Fixture	150	152	10,800	24	6.56	>0.98	18 lbs

SPECIFICATIONS

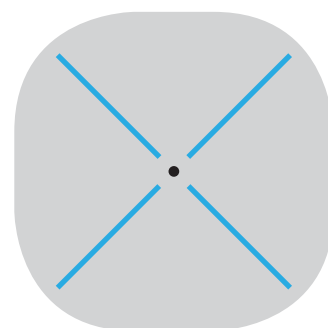
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K

- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



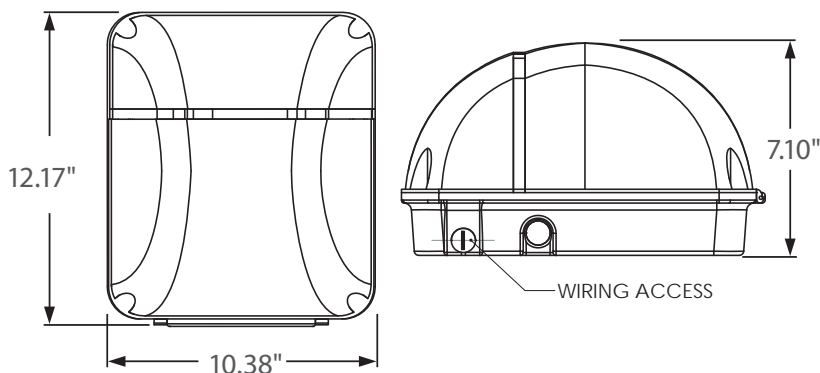
Type V Distribution

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Low Profile Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Silicone potted heat sink for increased life.
- Heat and impact resistant, UV protected, non yellowing polycarbonate refractor / lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-43040FLD-24VDC-750-LD-BLK
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Voltage	Color Temp	Accessories	Color
LED	43 = Low Profile Wall Pack	040 = 40W 060 = 60W	FLD = Flood Type	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BLK = Black * Custom Colors available



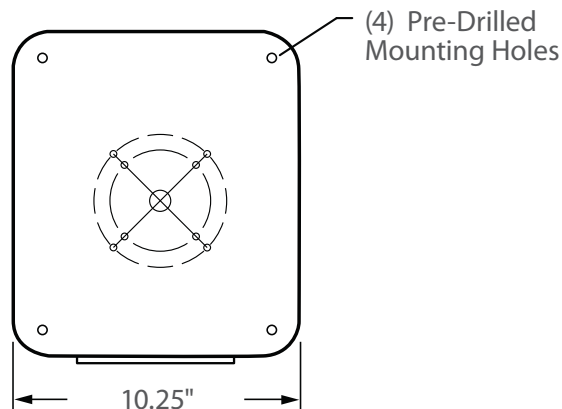
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-43040FLD-24VDC	Low Profile Wall Pack	40	42	3,200	24	1.74	>0.98	20 lbs
LED-43060FLD-24VDC	Low Profile Wall Pack	60	62	4,800	24	2.62	>0.98	20 lbs

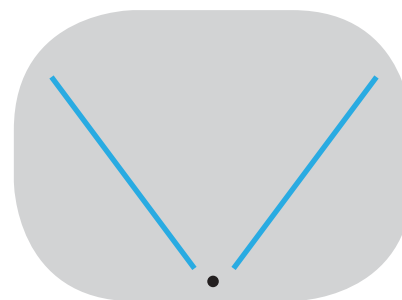
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



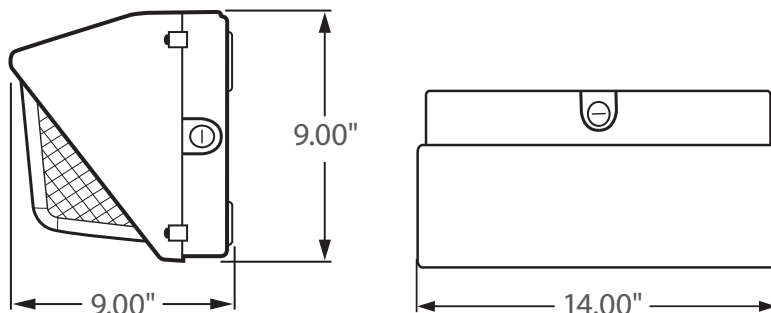
Type IV Distribution

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21040FLD-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Voltage	Color Temp	Accessories	Color
LED	21 = Wall Pack	040 = 40W 055 = 55W 070 = 70W	FLD = Flood Type	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



PRODUCT INFORMATION

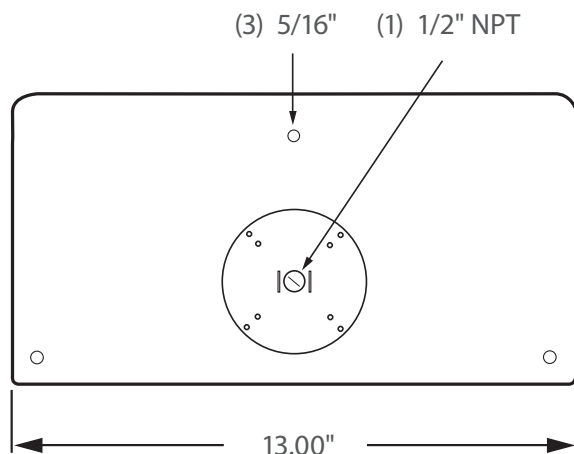
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21040FLD-24VDC	Wall Pack - Flood Type	40	42	3,200	24	1.74	>0.98	18 lbs
LED-21055FLD-24VDC	Wall Pack - Flood Type	55	57	4,400	24	2.40	>0.98	18 lbs
LED-21070FLD-24VDC	Wall Pack - Flood Type	70	72	5,600	24	3.06	>0.98	18 lbs

SPECIFICATIONS

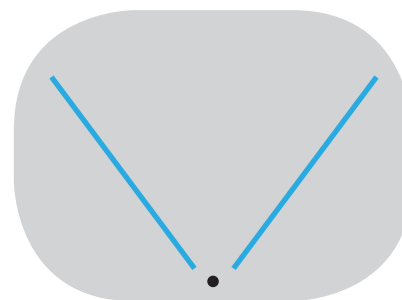
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K

- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



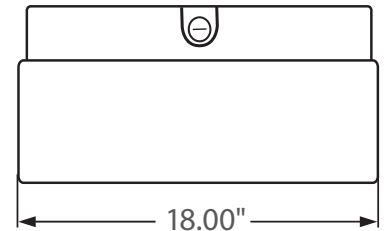
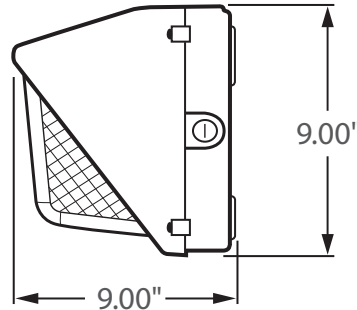
Type IV Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
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Spec. Rev. 8-2012

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21080FLD-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Color Temp	Voltage	Accessories	Color
LED	21 = Wall Pack	080 = 80W 100 = 100W	FLD = Flood Type	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



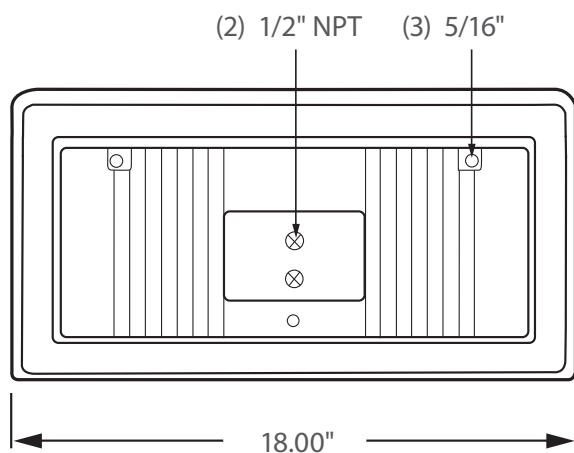
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21080FLD-24VDC	Wall Pack - Flood Type	80	82	6,000	24	3.49	>0.98	20 lbs
LED-2100FLD-24VDC	Wall Pack - Flood Type	100	102	7,000	24	4.37	>0.98	20 lbs

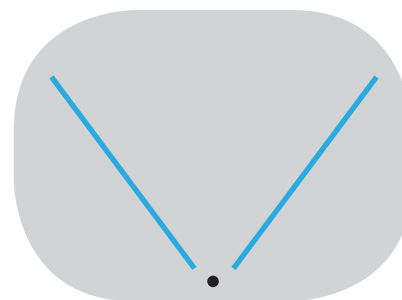
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



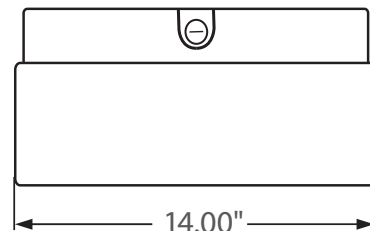
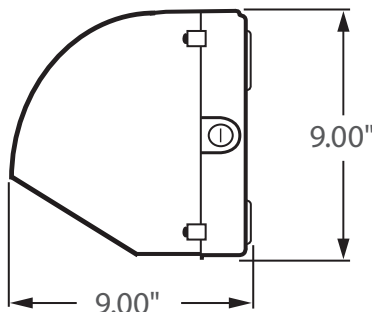
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" Semi Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21040SCT-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Voltage	Color Temp	Accessories	Color
LED	21 = Wall Pack	040 = 40W 055 = 55W 070 = 70W	SCT = Semi Cut-Off	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



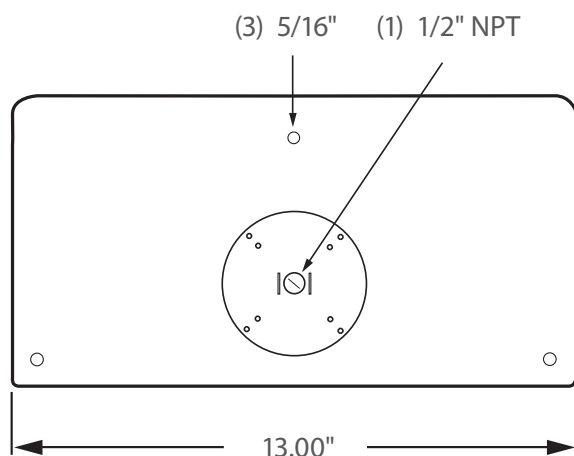
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21040SCT-24VDC	Wall Pack - Semi Cut-Off	40	42	3,200	24	1.74	>0.98	18 lbs
LED-21055SCT-24VDC	Wall Pack - Semi Cut-Off	55	57	4,400	24	2.40	>0.98	18 lbs
LED-21070SCT-24VDC	Wall Pack - Semi Cut-Off	70	72	5,600	24	3.06	>0.98	18 lbs

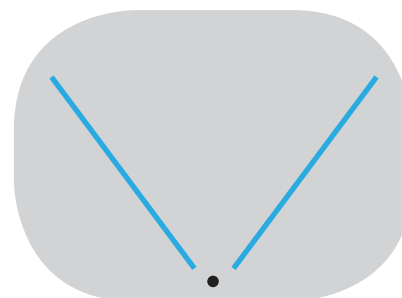
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



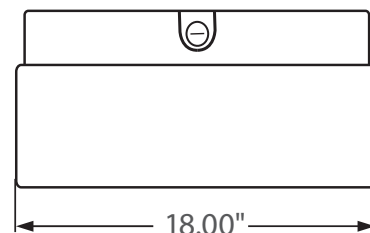
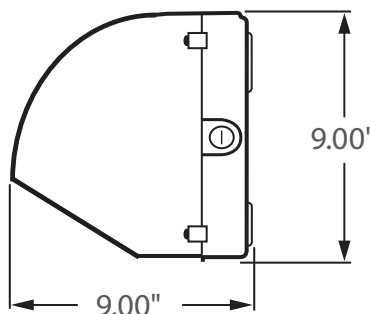
Type IV Distribution

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Semi Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21080SCT-24VDC-750-LD-BRZ
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Voltage	Color Temp	Accessories	Color
LED	21 = Wall Pack	080 = 80 W 100 = 100 W	SCT = Semi Cut-Off	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



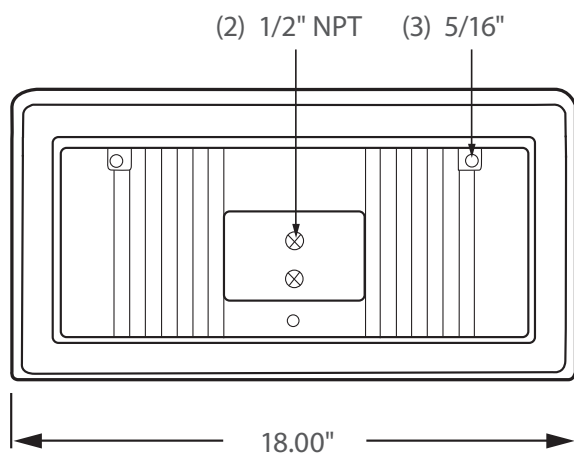
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21080SCT-24VDC	Wall Pack - Semi Cut-Off	80	82	6,000	24	3.49	>0.98	20 lbs
LED-2100SCT-24VDC	Wall Pack - Semi Cut-Off	100	102	7,000	24	4.37	>0.98	20 lbs

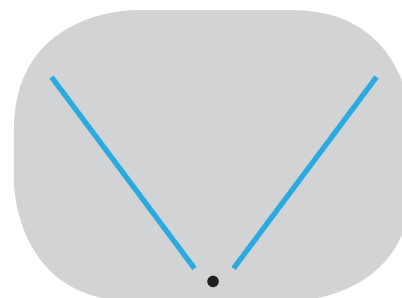
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



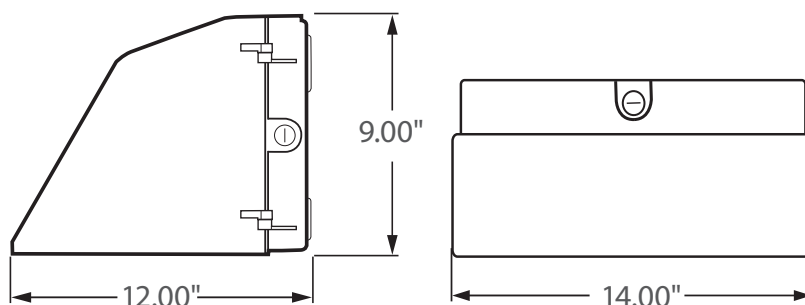
Type IV Distribution

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13950 Business Center Drive
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" Full Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21040FCT-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Color Temp	Voltage	Accessories	Color
LED	21 = Wall Pack	040 = 40W 055 = 55W 070 = 70W	FCT = Full Cut-Off	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



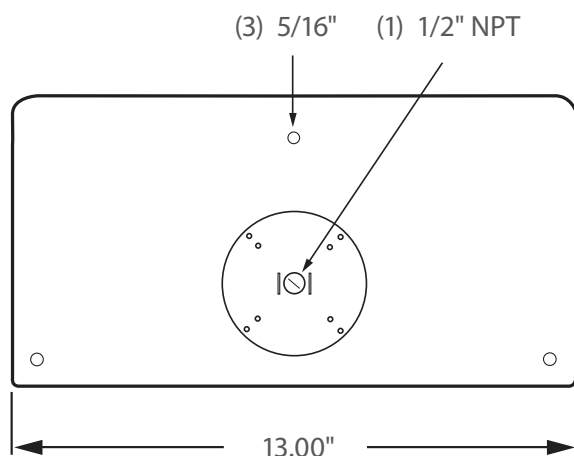
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21040FCT-24VDC	Wall Pack - Full Cut-Off	40	42	3,200	24	1.74	>0.98	18 lbs
LED-21055FCT-24VDC	Wall Pack - Full Cut-Off	55	57	4,400	24	2.40	>0.98	18 lbs
LED-21070FCT-24VDC	Wall Pack - Full Cut-Off	70	72	5,600	24	3.06	>0.98	18 lbs

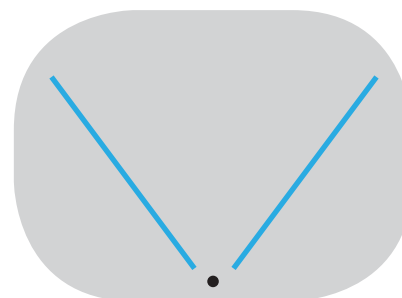
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



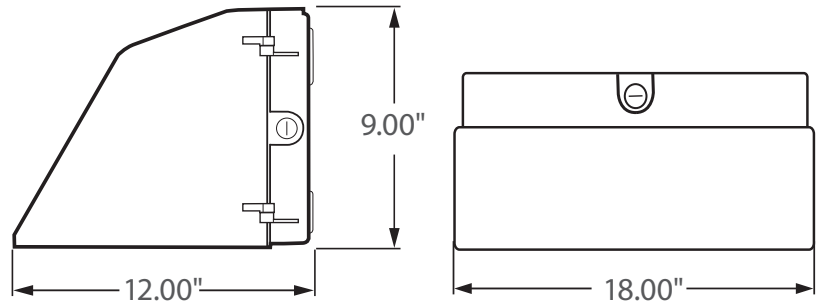
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 18" Full Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-21080FCT-24VDC-750-LD-BRZ
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Type	Voltage	Color Temp	Accessories	Color
LED	21 = Wall Pack	080 = 80W 100 = 100W	FCT = Full Cut-Off	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors available



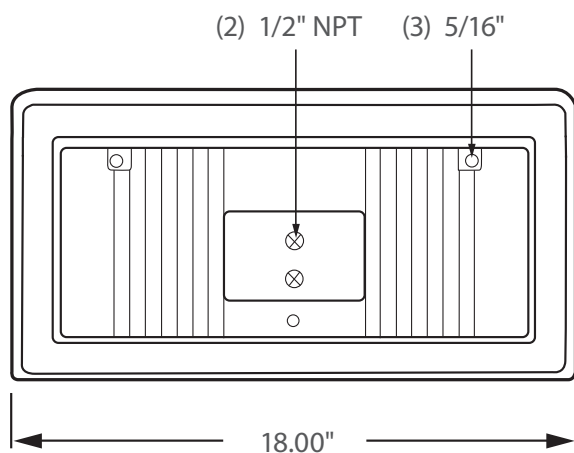
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-21080FCT-24VDC	Wall Pack - Full Cut-Off	80	82	6,000	24	3.49	>0.98	20 lbs
LED-2100FCT-24VDC	Wall Pack - Full Cut-Off	100	102	7,000	24	4.37	>0.98	20 lbs

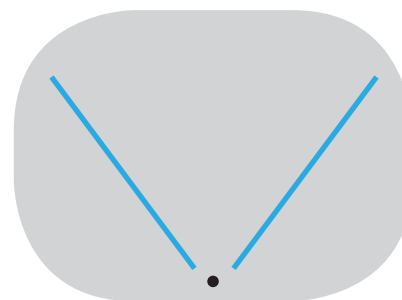
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



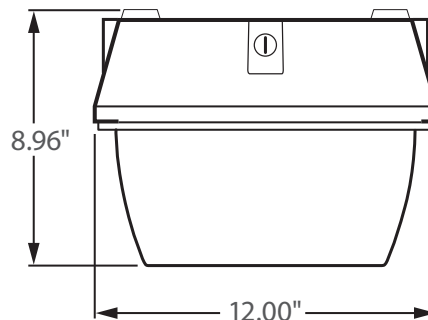
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 12" square canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 12 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION

- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Easy removal lens with (4) stainless steel screws.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- 260 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-12040-24VDC-750-BRZ
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Color Temp	Voltage	Accessories	Color
LED = LED	12 = 12" Square Canopy	040 = 40 W 060 = 60 W 080 = 80 W	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Light Detector / Photocell MD = Motion Sensor Detector	BRZ = Dark Bronze * Custom Colors Available



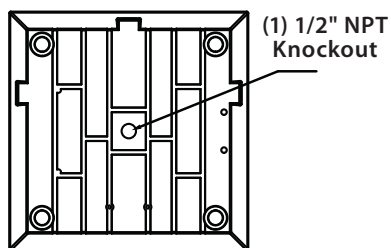
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-12040-24VDC	LED Canopy Fixture	40	42	3,500	24	1.74	>0.98	12 lbs
LED-12060-24VDC	LED Canopy Fixture	60	62	5,000	24	2.62	>0.98	12 lbs
LED-12080-24VDC	LED Canopy Fixture	80	82	6,800	24	3.49	>0.98	12 lbs

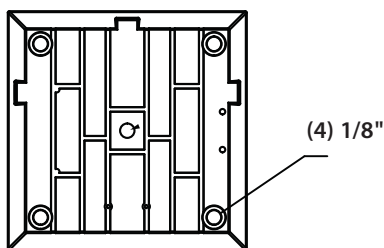
SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 79
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS

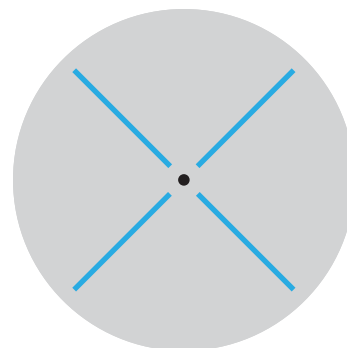


Pendant Mount



Surface Mount

PHOTOMETRICS (See Complete IES File)



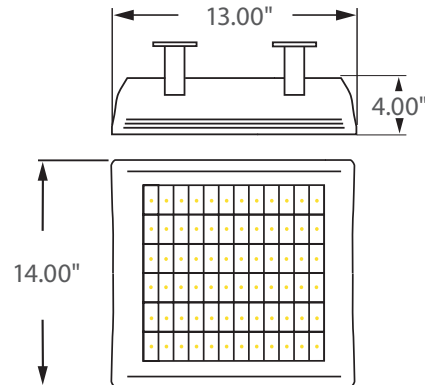
Type V Distribution

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" low-profile LED canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 49 series canopy fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION

- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Corrosion resistant electrocoat dark grey finish (custom colors available).
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- 72 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-49040-14-24VDC-750-DGRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Size	Voltage	Color Temp	Accessories	Color
LED	49 = Low-Profile	040 = 40 W 055 = 55 W 070 = 70 W	14 = 14" Housing	24VDC= 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	DGRY = Dark 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
LED-49040-14-24VDC	LED Low-Profile Fixture	40	42	3,200	24	1.74	>0.98	26 lbs
LED-49055-14-24VDC	LED Low-Profile Fixture	55	57	4,400	24	2.40	>0.98	26 lbs
LED-49070-14-24VDC	LED Low-Profile Fixture	70	72	5,600	24	3.06	>0.98	26 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 79
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS



Surface Mount

Adjustable Mounting Brackets (Standard)



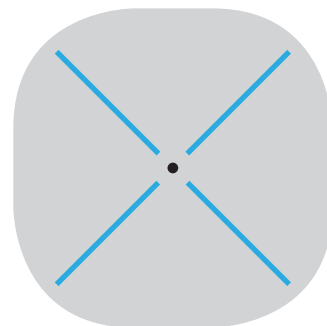
Hanging Mount

Supplied with Gripple Hangers (GPPL)



Pendant Mount
3/4" K.O.
(PDM)

PHOTOMETRICS (See Complete IES File)



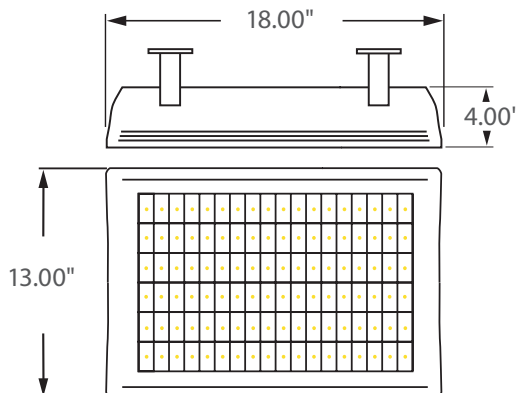
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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 14" low-profile LED canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 49 series canopy fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION

- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Corrosion resistant electrocoat dark grey finish (custom colors available).
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- 108 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-49040-14-24VDC-750-DGRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Size	Voltage	Color Temp	Accessories	Color
LED	49 = Low-Profile	075 = 75 W 100 = 100 W 120 = 120 W	14 = 14" Housing	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Photocell /Light Detector MD = Motion Sensor Detector	DGRY = Dark 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
LED-49075-18-24VDC	LED Low-Profile Fixture	75	77	6,000	24	3.28	>0.98	30 lbs
LED-49100-18-24VDC	LED Low-Profile Fixture	100	102	8,200	24	4.37	>0.98	30 lbs
LED-49120-18-24VDC	LED Low-Profile Fixture	120	122	9,840	24	5.25	>0.98	30 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 79
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS

Surface Mount



Adjustable Mounting Brackets (Standard)

Hanging Mount

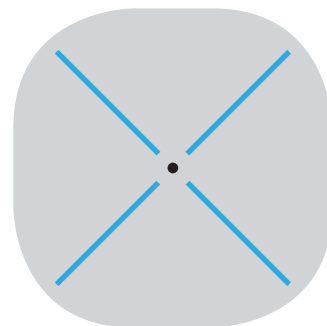


Supplied with Gripple Hangers (GPPL)



Pendant Mount
3/4" K.O.
(PDM)

PHOTOMETRICS (See Complete IES File)



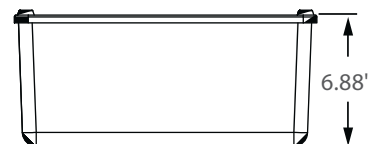
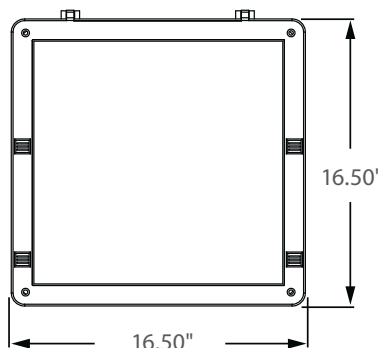
Type V Distribution

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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 16" LED shoebox fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-16 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 & HPS fixtures up to 250W.

APPLICATION

- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Street Lighting
- Walkway Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High Output COB Cree LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-16100-24VDC-SA6-850-LD-BRZ
Custom options and accessories available. Please consult factory.

Source	Series	Wattage	Voltage	Mounting	Color Temp	Accessories	Color
LED = LED	16 = 16" Shoebox	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24VDC	SA6 = 6" Side Arm SA12 = 12" Side Arm WM6 = 6" Wall Mount WM12 = 12" Wall Mount SA6R = 6" Side Arm - Round Pole Adapter SA12R = 12" Side Arm - Round Pole Adapter * See Pg. 2 for suggested mounting options	830 = 3000°K 841 = 4100°K 850 = 5000°K * * Standard	LD = Twistlock Photocell MD = Motion Sensor	BRZ = Dark Bronze * Custom Colors Available



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PRODUCT INFORMATION

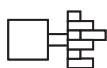
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-16080-24VDC	LED Shoebox Fixture	80	82	7,200	24	3.49	>0.98	40 lbs
LED-16100-24VDC	LED Shoebox Fixture	100	102	9,000	24	4.37	>0.98	40 lbs
LED-16120-24VDC	LED Shoebox Fixture	120	122	10,800	24	5.25	>0.98	40 lbs
LED-16150-24VDC	LED Shoebox Fixture	150	152	13,500	24	6.56	>0.98	40 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 90
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.78
- Housing IP Rating IP65
- Warranty 5 Year

MOUNTING CONFIGURATION

Wall Mount
(WM6, WM12)



Arm Mount Single
(SA6, SA12)



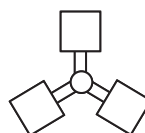
Arm Mount 2 @ 180°
(SA6, SA12)



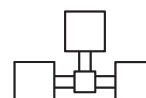
Arm Mount 2 @ 90°
(SA6, SA12)



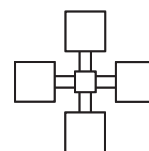
Arm Mount 3 @ 120°
(SA6R, SA12R)



Arm Mount 3 @ 90°
(SA6, SA12)

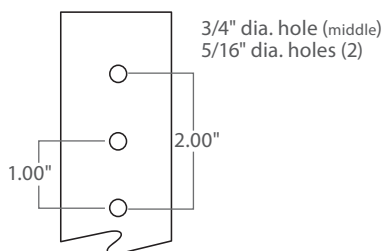


Arm Mount 4 @ 90°
(SA6, SA12)

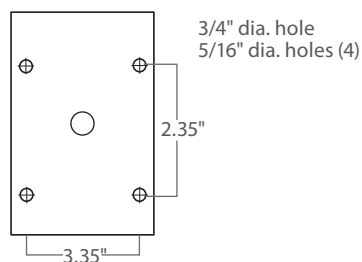


DRILLING PATTERNS

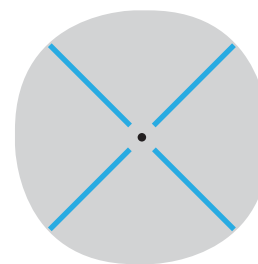
SA6, SA12, SA6R, SA12R



WM6, WM12



PHOTOMETRICS (See Complete IES File)



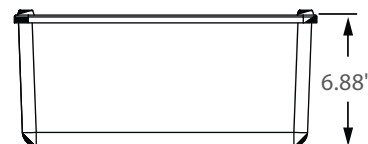
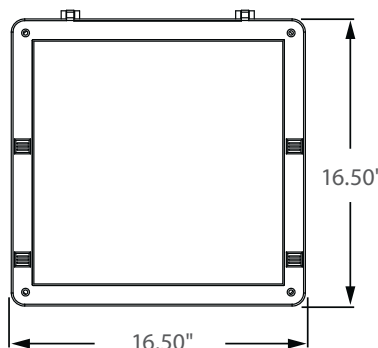
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 4-2014

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's 16" LED flood light fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-38 series flood 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 & HPS fixtures up to 250W.

APPLICATION

- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Street Lighting
- Walkway Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-38100-24VDC-SF-750-LD-BRZ
Custom options and accessories available. Please consult factory.

Source	Series	Wattage	Voltage	Mounting	Color Temp	Accessories	Color
LED = LED	38 = 16" Flood	080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24VDC	SF = Slip Fitter YK = Yoke Bracket * See Pg. 2 for mounting options	730 = 3000°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Twistlock Photocell MD = Motion Sensor	BRZ = Dark Bronze * Custom Colors Available



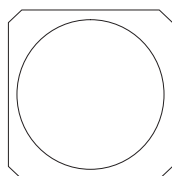
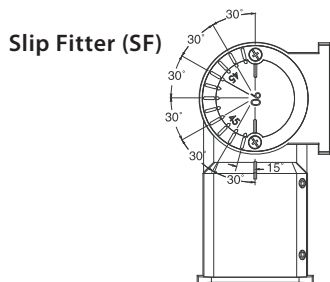
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-38080-24VDC	LED Flood Fixture	80	82	6,400	24	3.49	>0.98	40 lbs
LED-38100-24VDC	LED Flood Fixture	100	102	8,000	24	4.37	>0.98	40 lbs
LED-38120-24VDC	LED Flood Fixture	120	122	9,000	24	5.25	>0.98	40 lbs
LED-38150-24VDC	LED Flood Fixture	150	152	10,400	24	6.56	>0.98	40 lbs

SPECIFICATIONS

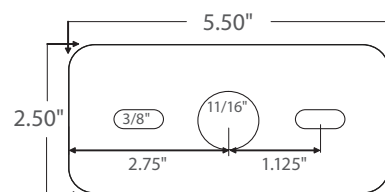
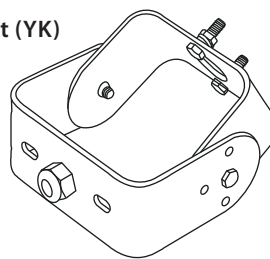
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.78
- Housing IP Rating IP65
- Warranty 5 Year

MOUNTING OPTIONS

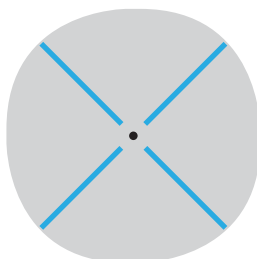


2-1/2" I.D.
Accepts up to 2-3/8"
Tenon or Pipe

Yoke Bracket (YK)



PHOTOMETRICS (See Complete IES File)



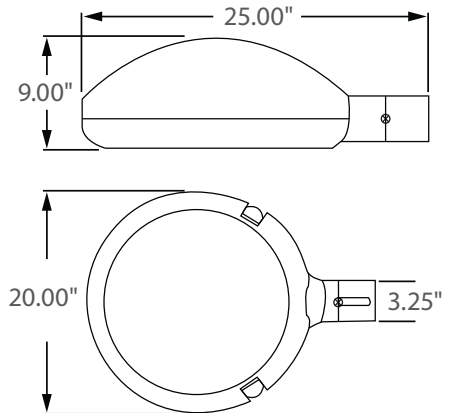
Type V Distribution

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 8-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED parking lot fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 47 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 120 PCS High output LED's and custom engineered optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W

APPLICATION

- Solar Parking Lot Lighting
- Solar Street Lighting
- Solar Walkway Lighting
- Solar Area Lighting
- Solar Security Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Corrosion resistant electrocoat black finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Toolless entry gear box for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-47100-24VDC-750-SF-BLK
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp	Mounting	Color
LED = LED	47 = Parking Lot Fixture	100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	SF = Slip Fitter * SPA = Square Pole Adapter * Standard	BLK = Black BRZ = Dark Bronze * Custom Colors Available



PRODUCT INFORMATION

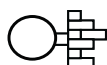
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-47100-24VDC	LED Parking Lot Fixture	100	102	8,000	24	4.37	>0.98	30 lbs
LED-47120-24VDC	LED Parking Lot Fixture	120	122	9,000	24	5.25	>0.98	30 lbs
LED-47150-24VDC	LED Parking Lot Fixture	150	152	10,400	24	6.56	>0.98	30 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 1.0
- Housing IP Rating IP65
- Warranty 5 Year

MOUNTING CONFIGURATION

Wall Mount
(SPA)



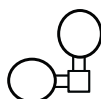
Arm Mount Single
(SF, SA12)



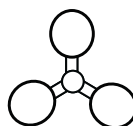
Arm Mount 2 @ 180°
(SF, SPA)



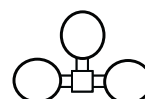
Arm Mount 2 @ 90°
(SF, SPA)



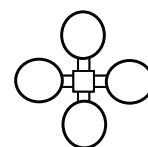
Arm Mount 3 @ 120°
(SF, SPA)



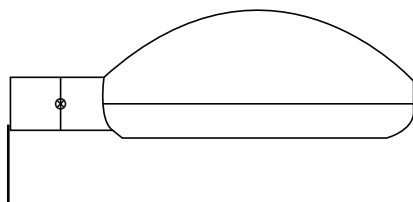
Arm Mount 3 @ 90°
(SF, SPA)



Arm Mount 4 @ 90°
(SF, SPA)



MOUNTING OPTIONS

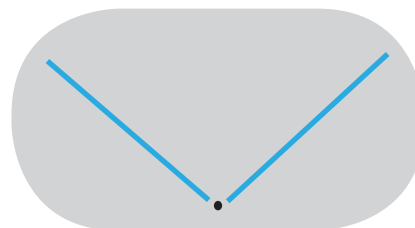


Slip Fitter Mount (SF)
Accepts 1-1/4" - 2-3/8" O.D.
Tenon or Pipe



Square Pole Adapter
Available for Pole or Wall Mount
(SPA)

PHOTOMETRICS (See Complete IES File)



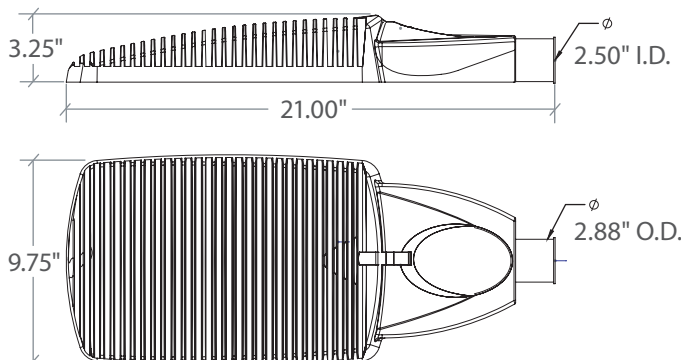
TYPE III ASYMMETRICAL

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Kometa™ Mini LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type II & III Asymmetrical optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION

- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Toolless entry gear box for easy maintenance and installation.
- Continuous silicone gasketing surrounds lens for IP66 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 40 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-451040-24VDC-750-T2A-LD-DGRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Voltage	Color Temp	Optics	Accessories	Color
LED	451 = Street Light	040 = 40 W 050 = 50 W 060 = 60 W 070 = 70 W 080 = 80 W	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	T2A = Type II Asymmetrical T3A = Type III Asymmetrical	LD = Light Sensor/Photocell NEMA Twistlock	GRY = Grey



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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
LED-451040-24VDC	LED Mini Street Light	40	42	3,280	24	1.74	>0.98	26 lbs
LED-451050-24VDC	LED Mini Street Light	50	52	4,000	24	2.18	>0.98	26 lbs
LED-451060-24VDC	LED Mini Street Light	60	62	4,800	24	2.62	>0.98	26 lbs
LED-451070-24VDC	LED Mini Street Light	70	72	5,600	24	3.06	>0.98	26 lbs
LED-451080-24VDC	LED Mini Street Light	80	82	6,400	24	3.49	>0.98	26 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.71
- Housing IP Rating IP65
- Optics IP Rating IP66
- Warranty 5 Year

MOUNTING OPTIONS



Accepts
1-1/4" - 2-3/8" O.D.
Tenon or Pipe

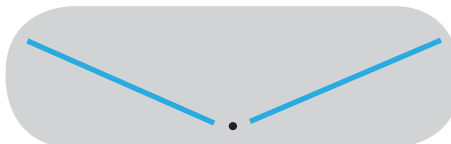


(2) 5-16" Stainless Steel Bolts

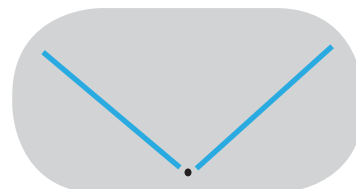
PHOTOMETRICS (See Complete IES File)



TYPE II



TYPE II ASYMMETRICAL



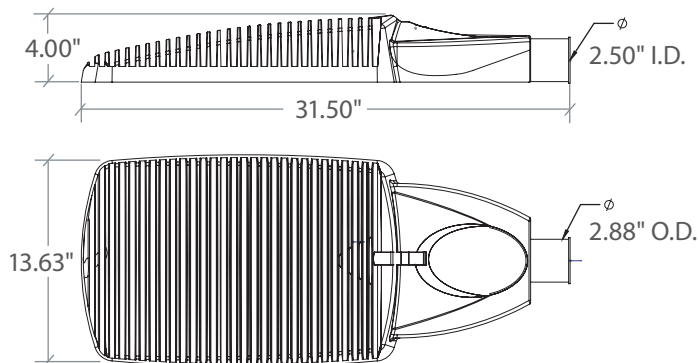
TYPE III ASYMMETRICAL

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Kometa™ LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type II & III Asymmetrical optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

APPLICATION

- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Toolless entry gear box for easy maintenance and installation.
- Continuous silicone gasketing surrounds lens for IP66 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 150 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-45100-24VDC-750-T2A-LD-GRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Voltage	Color Temp	Accessories	Color
LED	45 = Street Light	100 = 100 W 110 = 110 W 120 = 120 W 130 = 130W	24VDC = 24VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	LD = Light Sensor/Photocell NEMA Twistlock	GRY = Grey



PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-45100-24VDC	LED Street Light	100	102	7,500	24	4.37	>0.98	32 lbs
LED-45110-24VDC	LED Street Light	110	112	8,250	24	4.81	>0.98	32 lbs
LED-45120-24VDC	LED Street Light	120	122	9,000	24	5.25	>0.98	32 lbs
LED-45130-24VDC	LED Street Light	130	132	9,750	24	5.68	>0.98	32 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K

- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.77
- Housing IP Rating IP65
- Optics IP Rating IP66
- Warranty 5 Year

MOUNTING OPTIONS



Accepts
1-1/4" - 2-3/8" O.D.
Tenon or Pipe



(2) 5-16" Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)



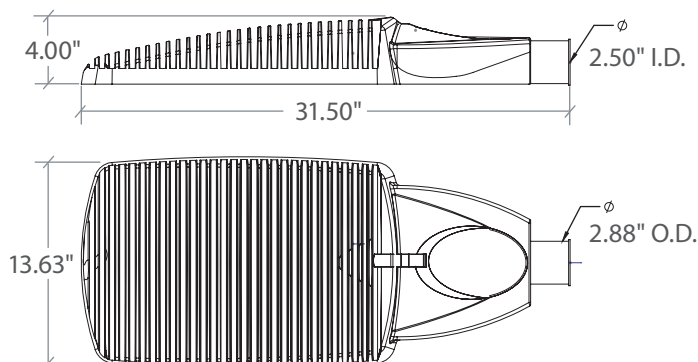
TYPE II

Neptun Light, Inc.
13950 Business Center Drive
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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Kometa™ LED Roadway fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 150 PCS High output LED's and custom engineered optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Used in applications replacing up to 400W HID Fixtures on Major Roadways & Highways.

APPLICATION

- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Toolless entry gear box for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-452100-24VDC-750-T2A-LD-GRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Voltage	Color Temp	Optics	Accessories	Color
LED	452 = Roadway	100 = 100 W 120 = 120 W 150 = 150 W	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	T2A = Type II Asymmetrical T3A = Type III Asymmetrical	LD = Light Sensor/Photocell NEMA Twistlock	GRY = Grey



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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
LED-452100-24VDC	LED Street Light	100	102	8,000	24	4.37	>0.98	32 lbs
LED-452120-24VDC	LED Street Light	120	122	9,600	24	5.25	>0.98	32 lbs
LED-452150-24VDC	LED Street Light	150	152	12,000	24	6.56	>0.98	32 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.77
- Housing IP Rating IP65
- Optics IP Rating IP66
- Warranty 5 Year

MOUNTING OPTIONS

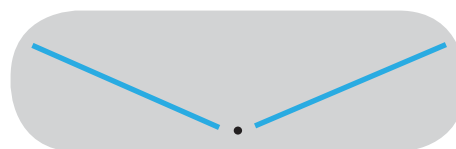


Accepts
1-1/4" - 2-3/8" O.D.
Tenon or Pipe

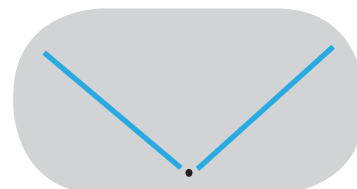


(2) 5-16" Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)



TYPE II ASYMMETRICAL



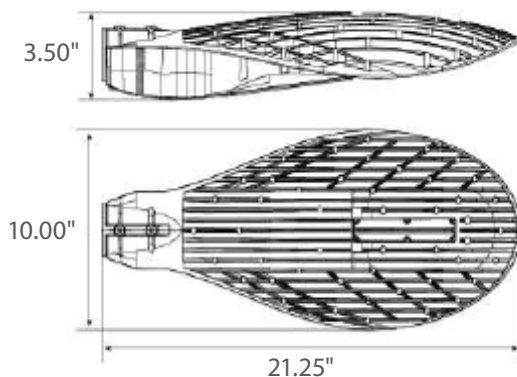
TYPE III ASYMMETRICAL

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L1 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION

- Street Lighting
- Pathway Lighting
- Parking Lot Lighting
- Security Lighting
- Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with webbed cooling design.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 1 COB High Output LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-81040-L1-24VDC-850-GRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Lens	Voltage	Color Temp	Color
LED	81 = Street Light	040 = 40 W 050 = 50 W 060 = 60 W 080 = 80 W	L1 = 1 Optic Lens	12VDC = 12 VDC 24VDC = 24 VDC	835 = 3500°K 841 = 4100°K 850 = 5000°K * * Standard	GRY = Grey



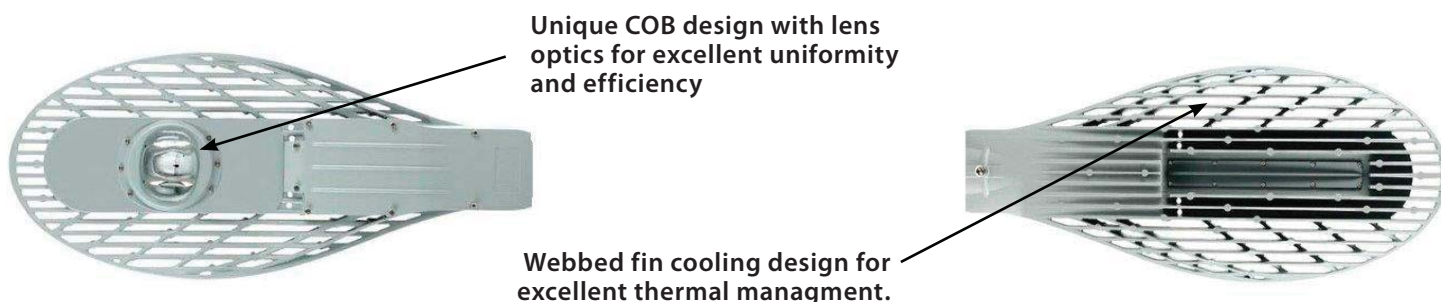
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PRODUCT INFORMATION

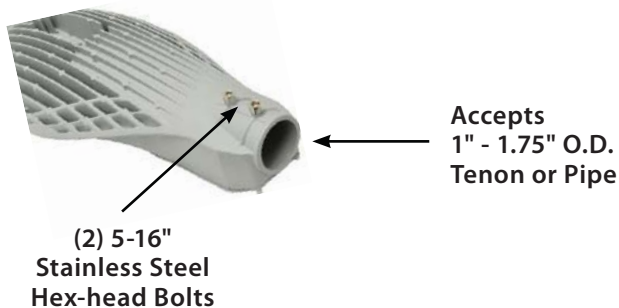
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current 12/24VDC (Amp)	Power Factor	Weight
LED-81040-L1-24VDC	LED COB Street Light	40	42	4,000	12 / 24	3.49 - 1.74	>0.98	14 lbs
LED-81050-L1-24VDC	LED COB Street Light	50	52	5,000	12 / 24	4.37 - 2.18	>0.98	14 lbs
LED-81060-L1-24VDC	LED COB Street Light	60	62	6,000	12 / 24	5.25 - 2.62	>0.98	14 lbs
LED-81080-L1-24VDC	LED COB Street Light	80	82	8,000	12 / 24	6.99 - 3.49	>0.98	14 lbs

SPECIFICATIONS

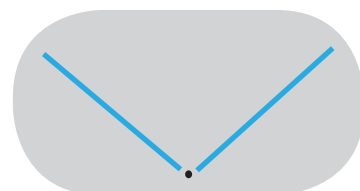
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 12 / 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 100
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- ETL Listed / UL Standard 496 Yes
- CE / IEC60598 Yes
- EPA Rating 0.51
- Housing IP Rating IP65
- Optics IP Rating IP68
- Warranty 10 Year



MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



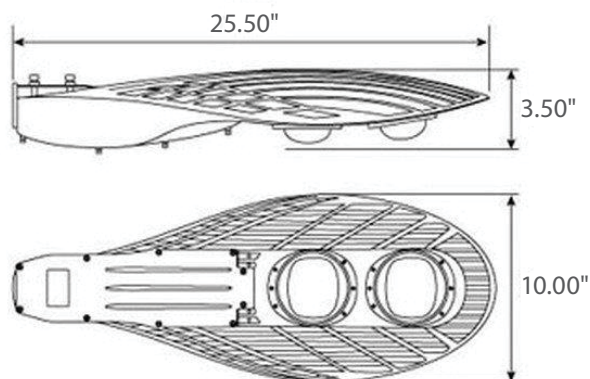
TYPE III ASYMMETRICAL

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Spec. Rev. 1-2014

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L2 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION

- Street Lighting
- Pathway Lighting
- Parking Lot Lighting
- Security Lighting
- Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with webbed cooling design.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 2 COB High Output LED's.
- High power factor, 24 Volt DC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-81100-L2-24VDC-750-GRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Lens	Voltage	Color Temp	Color
LED	81 = Street Light	100 = 100 W 120 = 120 W	L2 = 2 Optic Lens	24VDC = 24 VDC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	GRY = Grey * Custom Colors Available

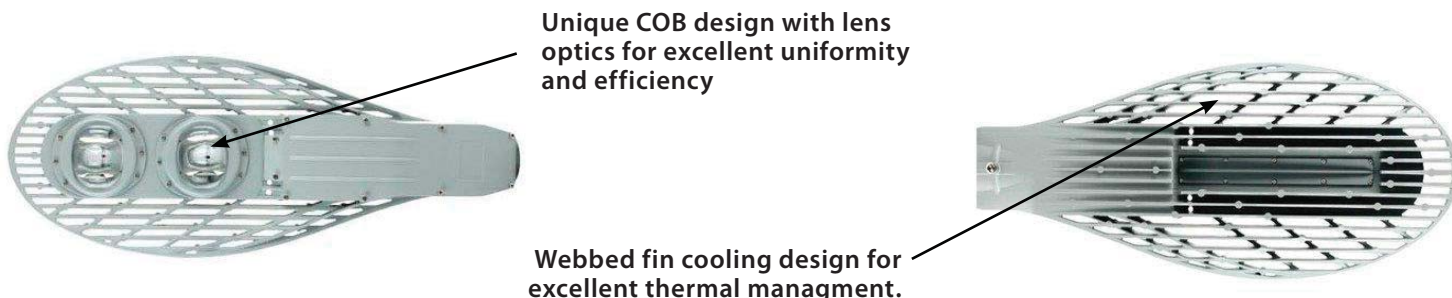


PRODUCT INFORMATION

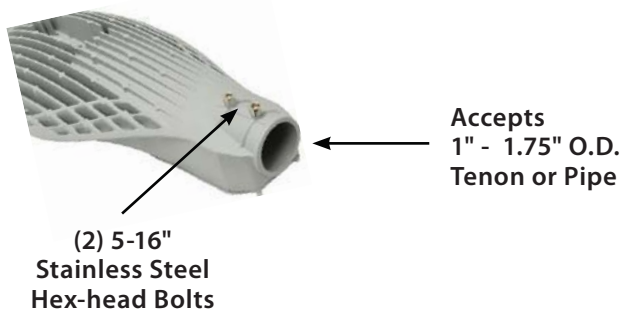
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-81100-L2-24VDC	LED COB Street Light	100	102	10,000	24	4.37	>0.98	16 lbs
LED-81120-L2-24VDC	LED COB Street Light	120	122	12,000	24	5.25	>0.98	16 lbs

SPECIFICATIONS

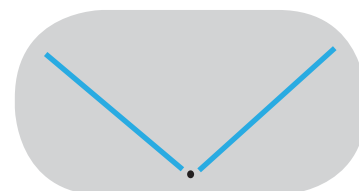
- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 100
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.51
- Housing IP Rating IP65
- Optics IP Rating IP66
- Warranty 5 Year



MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



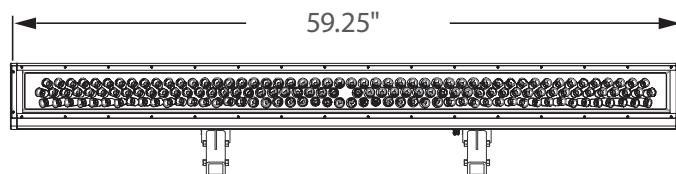
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Spec. Rev. 8-2013

24VDC OPERATION



UP TO 75% ENERGY SAVINGS

Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Ad-Poster™ II LED billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 100 PCS, High Output LED's, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 24'W x 15'H Billboard Requires 1 Unit
- 36'W x 15'H Billboard Requires 2 Units
- 48'W x 15'H Billboard Requires 3 Units

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds lens for IP67 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-84085-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
LED = LED	84 = Billboard Fixture	085 = 85 W 120 = 120 W	24VDC = 24 VDC



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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
LED-84085-24VDC	LED Billboard Fixture	85	87	6,800	24	3.71	>0.98	35 lbs
LED-84120-24VDC	LED Billboard Fixture	120	122	9,000	24	5.25	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5700°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 40°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP67
- Warranty 5 Year



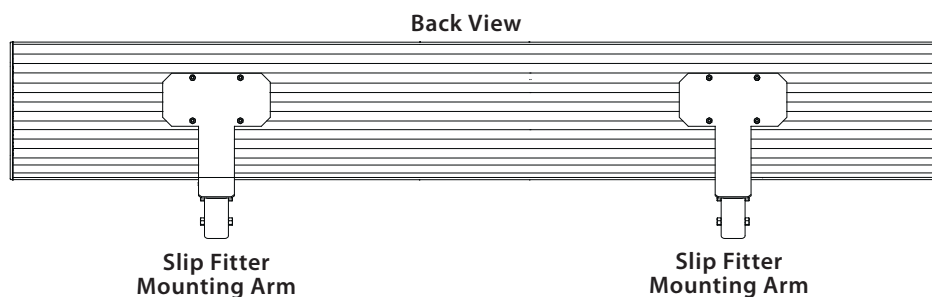
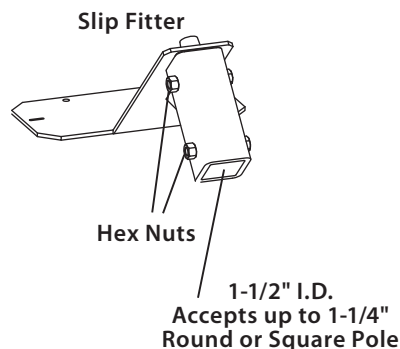
36' x 15' BILLBOARD

- (2) Ad-Poster II Units
- (3) Solar Panels
- (1) Battery System

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at least 1 ft. from the bottom or top of the board

MOUNTING OPTIONS

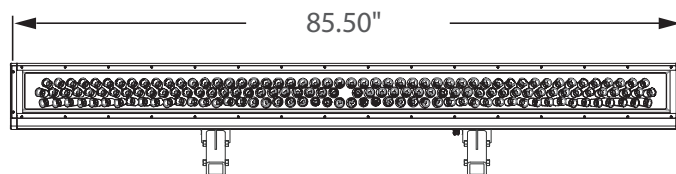


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Spec. Rev. 1-2013

24VDC OPERATION



UP TO 75% ENERGY SAVINGS

Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's Ad-Bulletin™ LED billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 150 PCS, High Output LED's, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 48'W x 15'H Billboard Requires 2 Units

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds lens for IP67 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-84175-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
LED = LED	84 = Billboard Fixture	175 = 175 W	24VDC = 24 VDC



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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
LED-84175-24VDC	LED Billboard Fixture	175	177	14,000	24	7.34	>0.98	50 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24 VDC
- Input Line Frequency 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5700°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 40°C
- Lumens per Watt > 70
- Power Factor > 0.98
- Shock / Vibration Resistant Yes
- FCC Compliance Part 18, Subp. C
- IP Rating IP67
- Warranty 5 Year



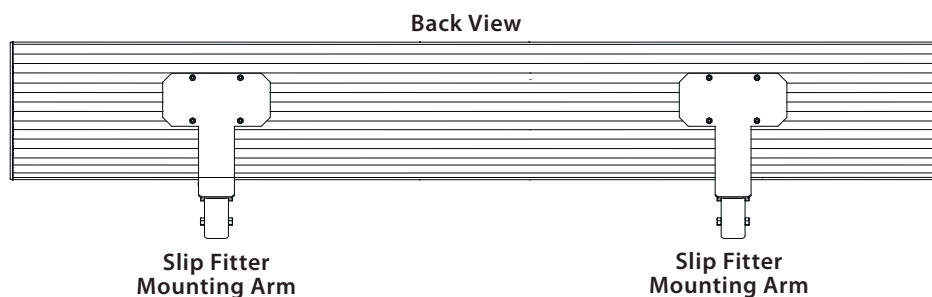
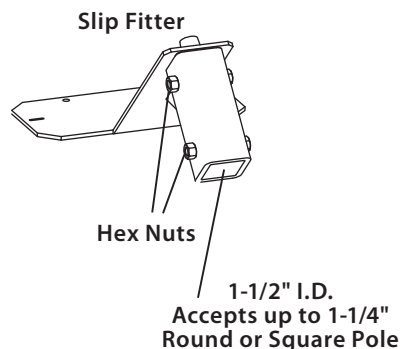
48' x 15' BILLBOARD

- (2) Ad-Bulletin Units
- (4) Solar Panels
- (2) Battery Systems

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at least 1 ft. from the bottom or top of the board

MOUNTING OPTIONS

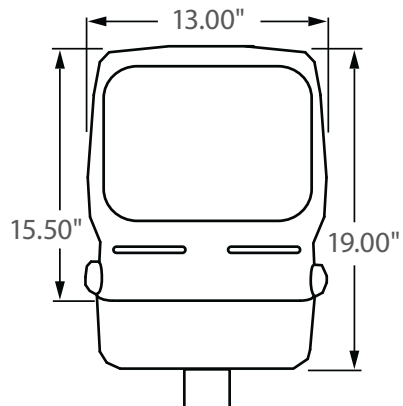


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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED retrofit billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard and sign applications. The 80 PCS, High Output Cree LED's, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Direct replacement for Holophane HID fixtures up to 400W provides uniform billboard illumination of 17' x 17'.

APPLICATION

- (2) 120W units replace (2) 400W HID fixtures on 11'x25' billboard.
- (3) 100W-120W units replace (3) 400W HID fixtures on 14'x36' billboard.
- (4) 80W-120W units replaces (4) 400W HID fixtures on 17'x48' billboard.

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds fixture for IP66 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-86080-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage
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LED = LED	86 = Retrofit Billboard Fixture	080 = 80 W 100 = 100 W 120 = 120 W	24VDC = 24 VDC



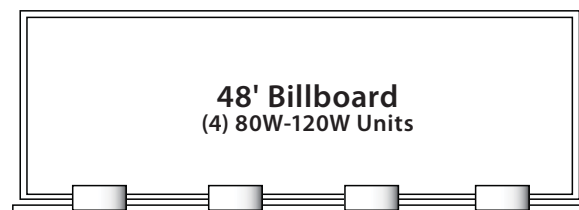
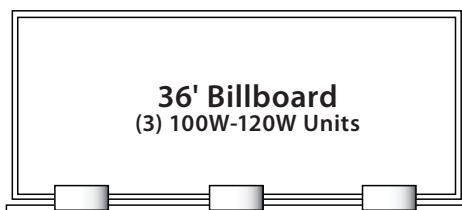
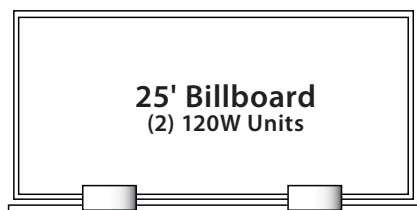
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-86080-24VDC	LED Billboard Fixture	80	82	8,000	24	3.49	>0.98	35 lbs
LED-86100-24VDC	LED Billboard Fixture	100	102	10,000	24	4.37	>0.98	35 lbs
LED-86120-24VDC	LED Billboard Fixture	120	122	12,000	24	5.25	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24VDC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 80
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Housing IP Rating IP66
- Driver IP Rating IP67
- Optics IP Rating IP66
- Warranty 10 Year

COVERAGE RECOMMENDATIONS



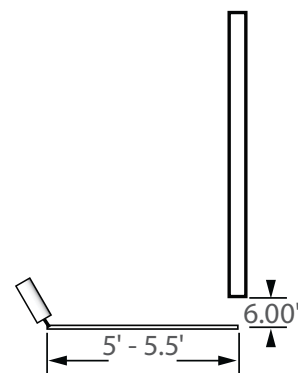
MOUNTING OPTIONS

Slip Fitter



FOR BEST RESULTS

- Fixtures should be mounted at least 5 to 5-1/2 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.
- 1 for 1 replacement of existing 400W HID Holophane fixtures.

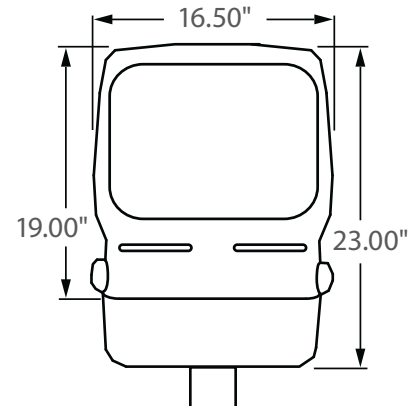


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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED retrofit billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard and sign applications. The 100 PCS, High Output Cree LED's, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Direct replacement for Holophane HID fixtures up to 400W provides uniform billboard illumination of 17' x 25'.

APPLICATION

- (4) units replaces (4) 400W HID fixtures on 17' x 48' billboard.

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds fixture for IP66 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-86130-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage
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LED = LED	86 = Retrofit Billboard Fixture	130 = 130 W 140 = 140 W 150 = 150 W	24VDC = 24 VDC



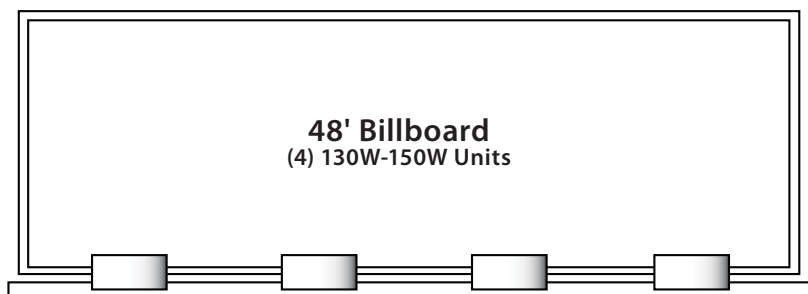
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-86130-24VDC	LED Billboard Fixture	130	132	13,000	24	5.68	>0.98	35 lbs
LED-86140-24VDC	LED Billboard Fixture	140	142	14,000	24	6.12	>0.98	35 lbs
LED-86150-24VDC	LED Billboard Fixture	150	152	15,000	24	6.56	>0.98	35 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 24VDC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,000°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 80
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Housing IP Rating IP66
- Driver IP Rating IP67
- Optics IP Rating IP66
- Warranty 10 Year

COVERAGE RECOMMENDATIONS



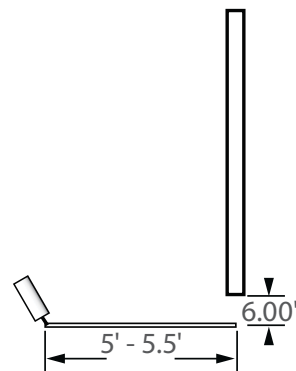
MOUNTING OPTIONS

Slip Fitter



FOR BEST RESULTS

- Fixtures should be mounted at least 5 to 5-1/2 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.
- 1 for 1 replacement of existing 400W HID Holophane fixtures.

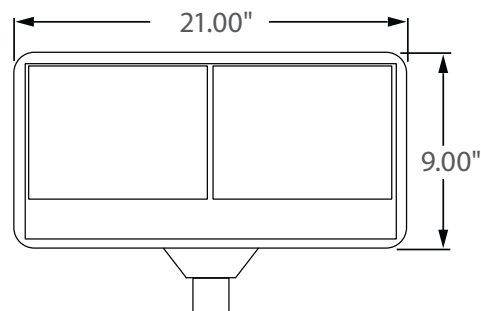


Neptun Light, Inc.
13950 Business Center Drive
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Fax: 847.735.8004

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Spec. Rev. 1-2013

24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED Ad-Poster™ Modular M2 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 60 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 25' Billboard requires 1 Unit

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-87090-M2-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Module	Voltage
LED = LED	87 = Modular Billboard Fixture	090 = 90 W	M2 = 2 Modules	24VDC = 24 VDC



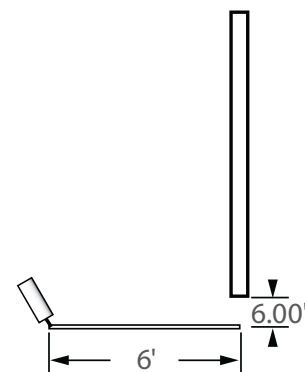
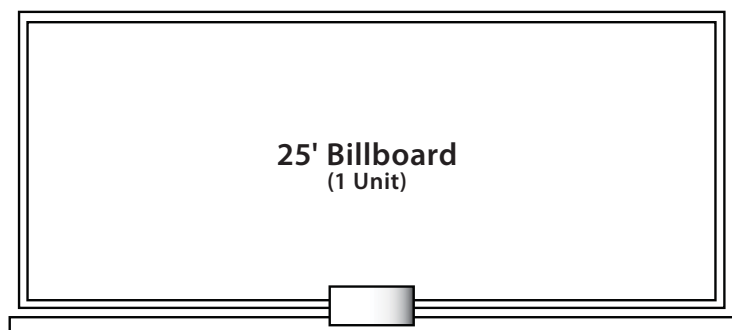
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-87090-M2-24VDC	LED Billboard Fixture	90	92	9,000	24	3.93	>0.98	25 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24VDC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,700°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 90
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

COVERAGE RECOMMENDATIONS



MOUNTING OPTIONS

Slip Fitter



1-1/2" I.D.
Accepts up to 1-1/4"
Round or Square Pole

FOR BEST RESULTS

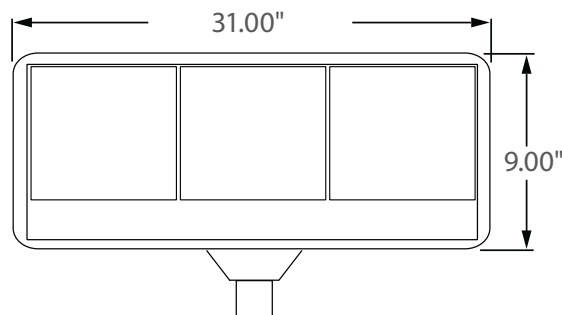
- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.

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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED Ad-Bulletin™ Modular M3 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 90 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 25' Billboard requires 1 Unit
- 36' Billboard requires 2 Units

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-87120-M3-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Module	Voltage
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LED = LED	87 = Modular Billboard Fixture	120 = 120 W	M3 = 3 Modules	24VDC = 24 VDC



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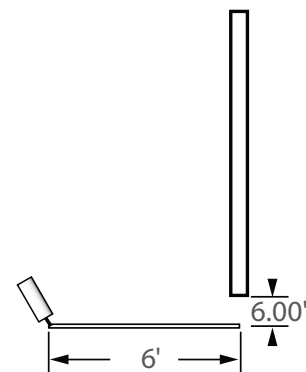
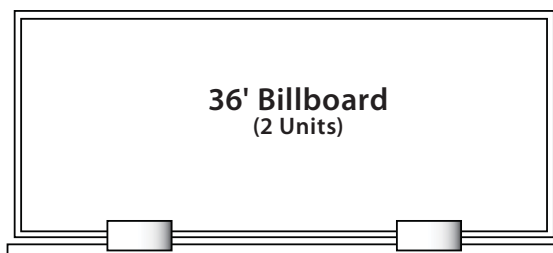
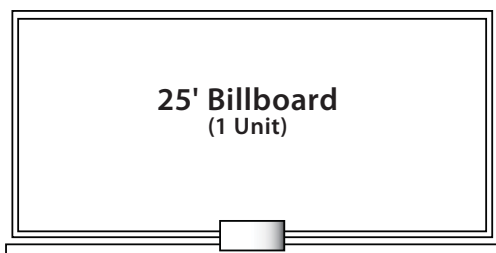
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-87120-M3-24VDC	LED Billboard Fixture	120	122	12,000	24	5.25	>0.98	32 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24VDC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,700°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 90
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

COVERAGE RECOMMENDATIONS



MOUNTING OPTIONS

Slip Fitter



1-1/2" I.D.
Accepts up to 1-1/4"
Round or Square Pole

FOR BEST RESULTS

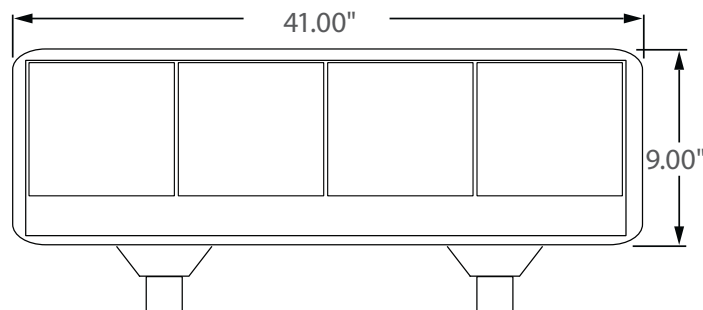
- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.

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24VDC OPERATION



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's LED Ad-Bulletin™ Modular M4 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 120 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 48' Billboard requires 2 Unit

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-87160-M4-24VDC
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Module	Voltage
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LED = LED	87 = Modular Billboard Fixture	160 = 160 W	M4 = 4 Modules	24VDC = 24 VDC
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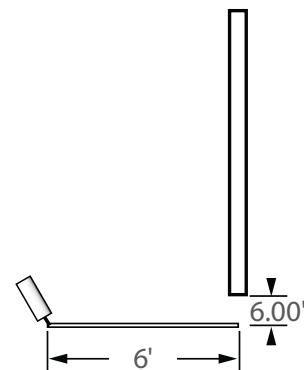
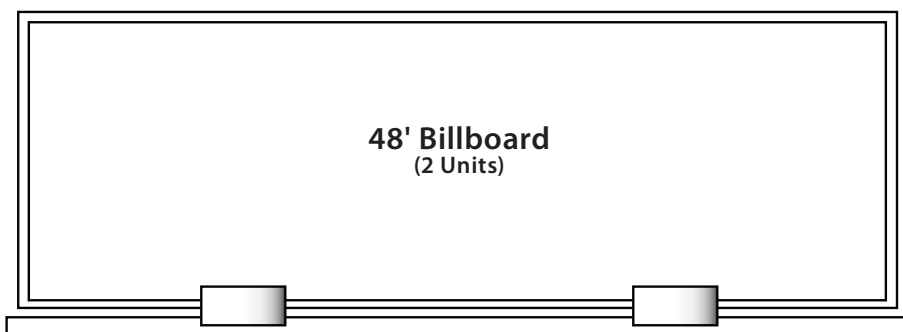
PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Input Line Voltage (VDC)	Max Line Current (Amp)	Power Factor	Weight
LED-87160-M4-24VDC	LED Billboard Fixture	160	162	16,000	24	6.99	>0.98	25 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Input Line Voltage 24VDC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,700°K
- Color Rendering Index (CRI) >70
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 90
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

COVERAGE RECOMMENDATIONS



MOUNTING OPTIONS

Slip Fitter



1-1/2" I.D.
Accepts up to 1-1/4"
Round or Square Pole

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.

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