



NationalBrightLighting Inc.

**4811 Eureka Ave. Suite E
Yorba Linda, California 92886
714 572-3646**

Production Introduction:

High power LED Street light has a unique shape, streamlined and stylish lines which integrate perfectly in modern architecture it has unique ornamental value, and Easy installation. Easy open component compartment with attached cover so it cannot drop. Photocell will belong Life Green Cover formula. Fixture and Shield will be Gray AAMA 2603 STD.



Photocell



Side shields

A set of spikes (They can be plastic or metal)

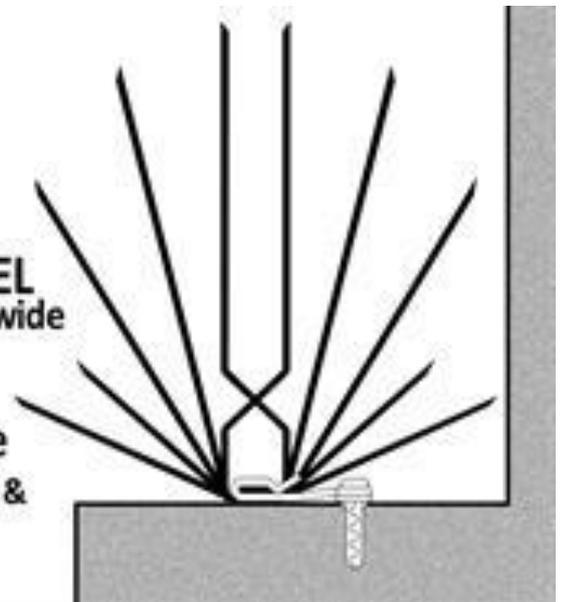
The Bird Guard stainless steel or plastic bird spike strips are simple to install and a humane bird control device. They offer a cost effective, durable, and low maintenance solution to nuisance bird and pigeon roosting problems. The bird spike strips an attractive addition for bird control to your wallet, ethical and humane concerns, and peace of mind.

Bird Guard

Effectively, non-harmful deterrent for birds roosting.

FULL ROW MODEL
Measures 4" high, 4" wide

Standard multi use model for all birds & climbing animals.



40W LED Street Light

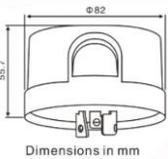
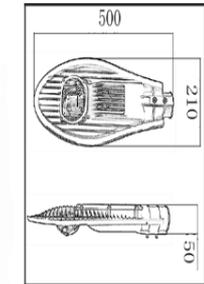
Input Voltage	100-277VAC	
Frequency	50Hz-60Hz	
Total harmonic distortion	<=9%	
Power factor	>0.98	
LED work voltage	30-36VDC	
LED Qty	1PC	
Qty of Chip	40Pcs	
Total power consumption	40W, Dimmable (Field adjustable by turning knob on driver)(Driver will be Factory set to highest position)	
LED light luminous efficiency	120-128lm/W	
LED lamp and lumens	Warm white	3675-4900 LM
	Pure white	3757-5010 LM
	Cool white	3765-5020 LM
Lamp efficiency	>95%	
Average illuminance	Height 6M	>38 LUX
	Height 8M	>22 LUX
	Height 10M	> 14LUX
Install Distance	+/-25 Feet high	
Illuminance uniformity	>0.7	
CCT	Warm white	2750-3250K
	Pure white	4500-5500K
	Cool white	6000K-7000K
Color Index	Warm white	Ra>70
	Pure white,	Ra>70
Light Distribution	Symmetric/Oval spot	
Light design	LED + HP UV Stable Optical Grade Polymer refractor lens w/zero up	
LED junction temperature	<=158° F	
Work environment (no moving parts used for cooling)	-40° F + 113° F	
Storage environment	-40° F + 149° F	
Protection class	IP65 LM-63 LM-79 TM-15	
LED lifespan (Ten year limited warranty from date of installation)	>100,000 hours @ 25 degrees Celsius	
PSU connection	Brown	L live line (Positive)
	Blue	N null line (Neutral)
	Yellow or Green	G earth line (Ground)
Color of the shell	Gray AAMA 2603 Standard	
Certification	CE/ROHS/UL	
N.W. / G.W.	2.9Kgs / 3.3Kgs	
Packing	540x240x120 mm	
Fixture Housing= Low copper die cast aluminum alloy	0.100" Minimum thickness	
Exposed Hardware	Ceramic Primer	

PEC Receptacle silicone sensor with less than 0.5% drift over 10 years, The cover green polypropylene with a UV inhibitor and antioxidant additives, a UL94HB Flame Class Rating, and a neoprene gasket per ASTM D 1056. Load rating of 1,000/1,800 VA w 15 Amp relay test to 15,000 operations. Surge 40,000 amps 640 Joules. Power ,5 watts at 120 Volts	Standard with a 5 (five) year warranty from date of installation. PEC turns on at 1.5 FC with a 1.5:1 off/on ration. PEC is Sun-Tech E11 equal. Operates -40 to 158 degrees F
Seals on Fixture (Luminaire)	EDPM, Silicone, or Rubber
Side Shield (Matched to Fixture (luminaire) color Tool less installation	Install on either side of rear of fixture
Fixture has resistance against discoloration and to 3000 hours for salt spray	Per ASTM B117

Drawing of Product

The Light Dimension 500X210X50 mm (19 49/64" X 8 17/64" X 13 1/32")

LED Street Light 500x210x50mm



Dimensions in mm

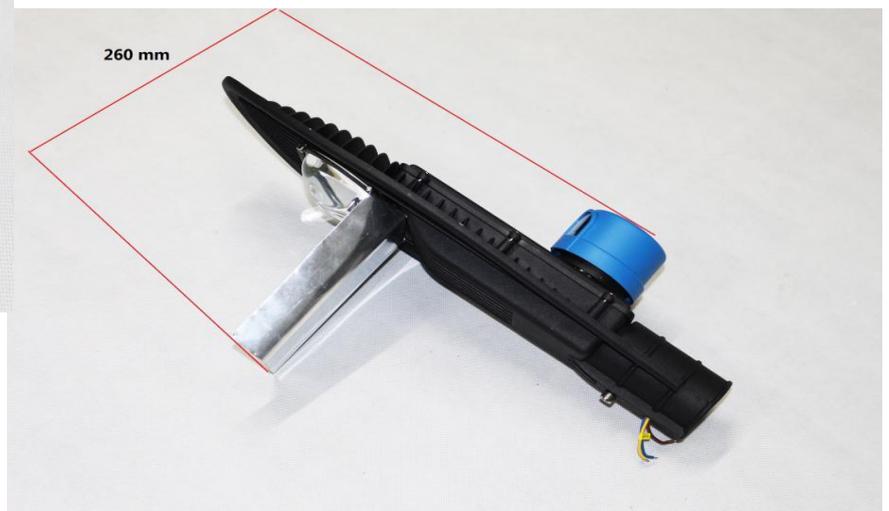
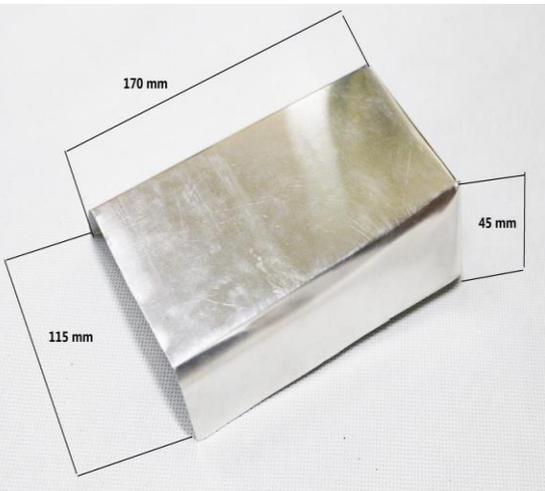
10 Years Limited Warranty

The Photoelectric Cell Dimension

55.7X82 mm (2 3/16" X 3 15/64")

5 Years Warranty

(55.7=2 2/16") (82=3 15/64") (115= 4 17/32") (170=6 11/16") (45=1 49/64") (260=10 15/64")



Features:

40W LED high power street light, the source of the light is a unique lighting design made of multiple chips integrated in a single module. Based on a selection of excellent imported semiconductor chips, it has a high thermal conductivity, low luminous decay, pure colors, no heavy shade etc.

★ Unique cooling body design combined with perfect driver box to help heat conduction and diffusion, this design reduces efficiently the temperature of the lamp body and so provides to the LED and its power supply a longer lifespan.

★ Sandblasting process and anodic oxidation surface treatment is applied to the cooling body providing an elegant and compact overall structure to the lamp.

★ Environmentally friendly, it contains no lead, no mercury or any other elements that may harm the environment.

★ High color rendering level that shows true colors while providing a warm friendly environment. Several additional colors are also available to meet specific requirements, delivering different kinds of atmosphere, reducing the depressive mood from traditional lamps with uneven color temperatures, improving work efficiency with better visual comfort.

★ Advanced constant current and voltage control techniques, wide power adaptation coverage to fit all specificities, management of electrical unstable factors with a power grid and noise pollution, high lighting stability is delivered avoiding unnecessary additional work effort for the eyes and thus preventing from eyestrain.

★ Excellent decoration integration, unique surface treatment technology, modern design, easy installation, simple dismount, with a wide range of applications.

Application:

Apply to road lighting, garden, park, factory road, street, gas station and other similar places requiring lighting.

This is complete fixture: It has a PEC (Photo Control) and a Bird Guard, with an optional Hand installed Side Shield. (No tools required), a slip fitter +/- 5 degree tilt, a quick release door that will not detach to prevent dropping, and an intergrated bubble level.



The luminaire is warranted for a period of ten (10) years from the date of installation. The luminaire will be replaced if 10% or more of the light output fails during the 10-year period. This limited warranty covers all electrical and mechanical components, light source, power supplies/drivers, housing, wiring, and connections. This warranty does not include labor, nor does it cover power failure to the luminaire from the power source. It is limited to the performance of the luminaire or its parts exclusively.

The luminaire shall be marked with permanent marker on the date of installation to validate the warranty. The PEC is warranted for a period of five (5) years from the date of installation. The PEC will fail on and be replaced if it fails to work within a five (5) year period. The PEC shall be marked with permanent marker on the date of installation to validate the warranty.

Items to be replaced will be picked up and replaced by the factory representative within 72 working hours of notification by the County.

An adequate supply of replacement parts will be provided at no cost to the County, so replacement in the field will be accomplished by a single trip if there is an issue with the luminaire or the PEC that is under warranty.

Installation Instructions

(if installation is for new installation on a pole, install the pole before installing luminaire)

1. Handle fixture with care, do not drop.
2. Check to be sure the power source is off.
3. Check to be sure the VAC is between 100 and 277 VAC, 50-60Hz.
4. Prevent electric leakage during installation. Do not exceed the operating wattage or frequency range.
5. Adopt appropriate waterproof measures for the external power cord.
6. Do not break any fire rules or regulations with unconventional usage of the lamp.
7. Install on with a certified professional electrician
8. Remove existing luminaire and disconnect the existing wire from the existing luminaire
- 9. Wire the replacement luminaire to the existing terminal block connector 600V, 85 A using wiring with #2 to #14 wire.**
10. Install the wiring by attaching the L-Live (Positive) wire to the Brown color wire on the luminaire, The N-Null (Neutral) wire to the Blue color wire on the luminaire, and the G-Ground wire to the Green/Yellow color wire on the luminaire.
10. When the wires have been attached properly, place the luminaire on the pole and secure it by tightening the fasteners.
11. Turn the power on and adjust the brightness of the luminaire by opening the door of the luminaire by hand and reducing the brightness (lumens) on the driver to the desired level.
12. Close the door on the luminaire, making sure that the seal is on place.
13. Please be sure the PEC is connected correctly, if in doubt, remove the PEC by twisting to the left and replace it by aligning the connector pushing down and twisting to the right.
14. If the luminaire still doesn't light replace the PEC to be sure that the PEC is operating properly before replacing the luminaire.

Maintenance Instructions

1. Turn off power before maintenance.
2. Clean lamp lens regularly to maintain proper illumination.
3. Clean lamp heat sink regularly to maintain good heat dissipation performance
4. Do not use a water pressure hose or corrosive material to clean lamp, use a damp rag.
5. If power supply fails for any reason you may return the luminaire for replacement under warranty. If you

wish to replace the power supply in the field for any reason, or after warranty, you may do so by following these instructions.

6. For replacement of the power supply (driver) if required and desired, no tools are required to open the cover of the compartment. To remove the power supply (driver) disconnect the wires, then replace with the new power supply by attaching the L-Live (Positive) line with the BLACK color wire, the N-Null (Neutral) line with the WHITE color wire, and the G-Ground line with the Green color wire.

7. The luminaire is adjustable (Dimmable) by turning the knob on the Power Supply (Driver) from 40 watts down as much as 25%.

Recycling

We will supply crates for the storage of removed fixtures, lamps, PEC, nodes, and packaging material such as boxes, cardboard, paper, Etc. at your specified location. We will furnish recycling certificates for material to verify compliance with all local, state, and federal regulations.

We will pick up the recycled material, as needed during the work week, daily if required. We will leave the recycle location and surrounding connected area free of any debris as requested by the County staff.

Delivery of Materials

We will deliver to County of San Diego 5252 Kearny Villa Way San Diego, Ca. 92123 Delivery time will be Monday through Friday 7 am to 3 pm. We will assist in unloading and loading of all fixtures. A lift gate and pallet jack will be provided for loading/unloading needs. Delivery will be provided within three (3) working days from request of delivery. (50 Fixtures (LED) and 50 PEC). Prices quoted are complete and include freight, delivery, recycling charges, Etc. Items found not to be in conformance with specifications will be picked up and replaced with conforming items within (3) three working days at no additional expense to the County. Delivery documents will reflect the following information:

Name of Contact Person – Company Name- Ordering Organization and Location-Purchase Order Number- Quantity, Description, Unit Price, and extended Price. The invoice(s) will arrive when the items are delivered and include all information as identified in the delivery documents.tal

Initial and After Sales Service:

Please contact the Factory Representative:

EMD Supply Inc.

3611 Dalbergia Street Suite B.

San Diego, California 92113

Phone Number 619 302-3056

Attention

**This Product must be installed or repaired only
by a qualified professional electrician.**