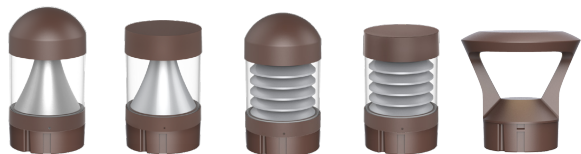


NAV Selectable Bollard



INSTALLATION INSTRUCTIONS

IMPORTANT: Read before installing fixture.

WARNING:

- Always install fixtures according to National Electrical Code (NEC) and local codes. Failure to do so will void the warranty and could cause damage to the fixture or may result in personal injury.
- To reduce the risk of personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture and all fixture labels.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician. For the installation: if you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- Turn off electrical power at fuse or circuit breaker before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- All connections should be capped with UL approved wire connectors. Risk of Burn. Disconnect power and allow fixture to cool before handling.
- Verify that supply voltage is correct by comparing it with the luminaire label information.

NOTICE:

- LEDs are high-quality electrical components. Avoid opening lighting fixture and do not touch LED module.

WARNING - RISK OF ELECTRIC SHOCK

- Disconnect/turn off power before installation or servicing.
- Make sure the supply voltage is the same as the rated luminaire voltage
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- All wiring connections should be capped with UL approved recognized wire connectors.

WARNING - RISK OF BURN

- Allow fixture to cool before handling. Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.

CAUTION - RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.

CAUTION - RISK OF FIRE

- Keep combustible and other materials that can burn, away from lamp/lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



TECHLIGHT
INNOVATION IN ILLUMINATION

NAV Selectable Bollard



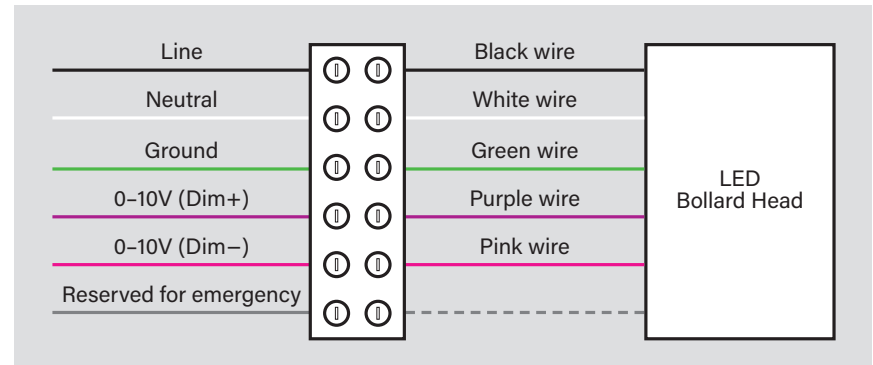
TURN OFF POWER FROM MAIN CIRCUIT BREAKER

COMPONENTS INCLUDED

Part	Quantity
Shaft	1
Head	1
Accessories Package:	
Anchor bolt carrier	1
M10*8 nuts	12
M10 spring washers	3
M10 flat washers	6
Anchor bolts	3
Hex wrench	1
3/4" Gasketed Cap Opener	1

WIRING DIAGRAM

MOUNTING BASE WITH TERMINAL BLOCK



33.67" tall, 6" diameter
bronze aluminum base



33.67" tall, 6" diameter
black aluminum base



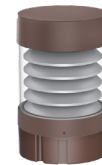
Cone reflector
Dome top



Cone reflector
Flat top



Louvered reflector
Dome top



Louvered reflector
Flat top



Decorative



Cone reflector
Dome top



Cone reflector
Flat top



Louvered reflector
Dome top



Louvered reflector
Flat top



Decorative

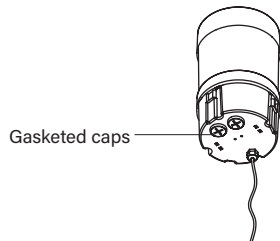
NAV Selectable Bollard



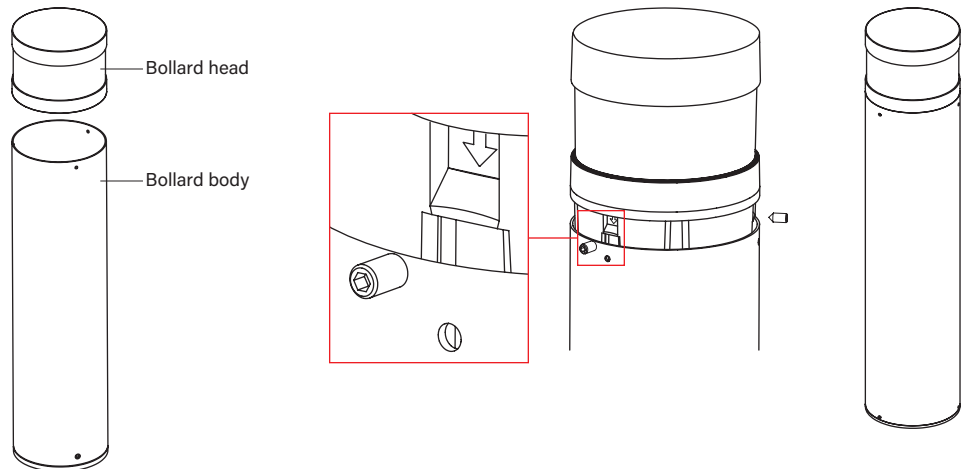
INSTALLATION INSTRUCTIONS

BOLLARD HEAD INSTALLATION

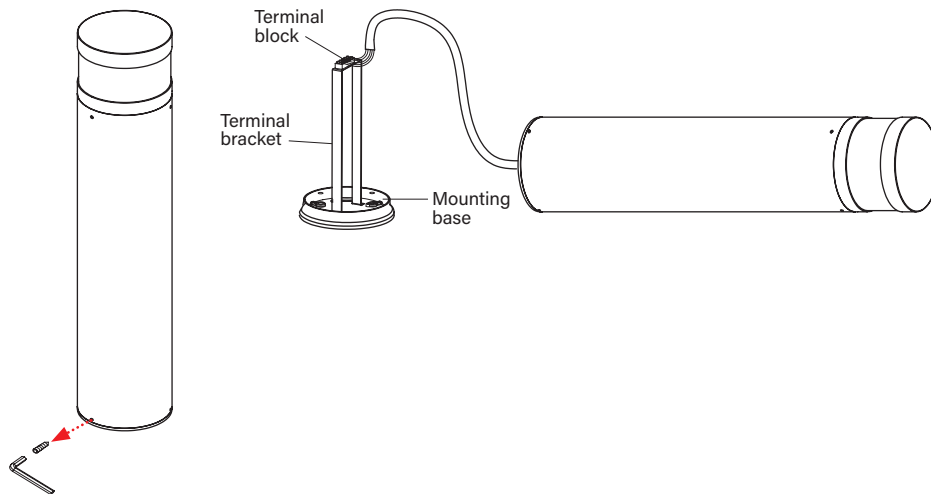
1. On the underside of bollard head, from the bottom plate, remove the two (2) gasketed caps and adjust wattage, CCT, and photocell dip switches to desired settings. Replace gasketed caps (see **Power Select (Wattage), Color Select (CCT), and Photocell Adjustment** page).



2. Attach the bollard head to the body, aligning any of the three (3) screw holes on body with any of the three (3) screw slots on head (marked with an arrow) and tighten the screws with hex wrench (included),



3. Loosen the three (3) screws on the side of the bollard body with the hex wrench and separate the body from the mounting base.



NAV Selectable Bollard

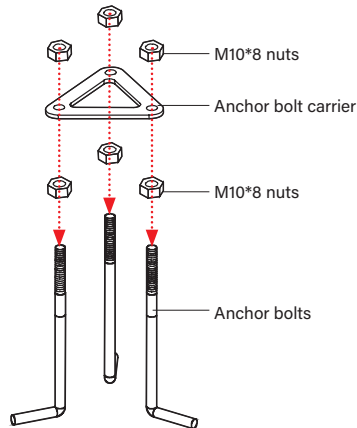


INSTALLATION INSTRUCTIONS

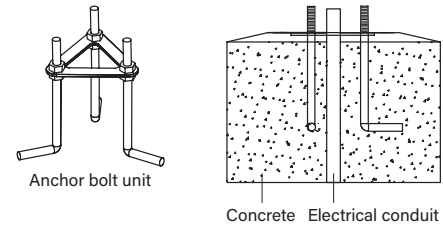
NEW CONSTRUCTION (WET CONCRETE)

1. Shut off power at the source.

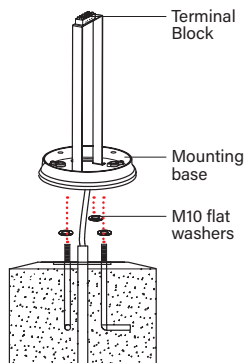
2. Use three (3) anchor bolts, the anchor bolt carrier, and six (6) M10*8 nuts to assemble anchor bolt unit (see **Anchor Bolt Template** page). After assembly, determine placement of anchor bolt unit in concrete.



3. Install anchor bolt unit into concrete, allowing at least 1.50"-2.00" to protrude from top of concrete with anchor bolt threads free and clear of debris and dirt. (**Note:** electrical conduit space must be situated in the concrete, centered within anchor bolt unit installation).



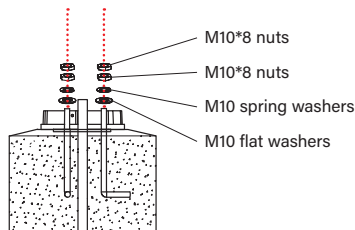
4. Place one (1) M10 flat washer onto each of the (3) anchor bolts of the anchor bolt unit. Once complete, unscrew the terminal bracket from the mounting base and set aside.



5. Position the body mounting base over anchor bolts and, to secure the body mounting base to the concrete foundation, place hardware in this order:

- three (3) M10 flat washers,
- three (3) M10 spring washers,
- three (3) M10*8 nuts, and
- three (3) M10*8 nuts.

Tighten all hardware.

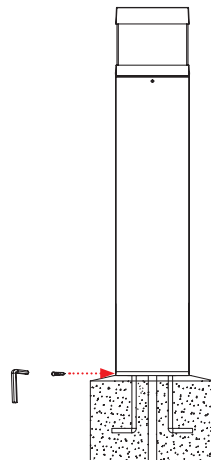


6. Reconnect the terminal bracket to the mounting base. Once complete, affix bollard head to bollard base and make connections to the terminal block (see **BOLLARD HEAD INSTALLATION** page).

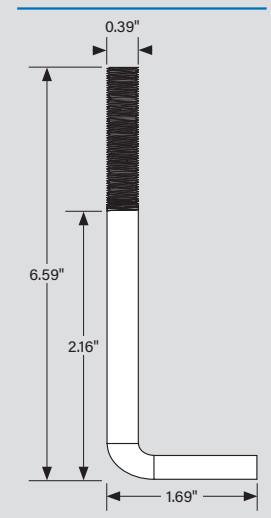
7. Connect the source wires to the body mounting base (see **Mounting Base with Terminal Block** page).

8. Reconnect the bollard body to the mounting base, tightening the three (3) screws on the side of the body mounting base to complete the installation.

Restore power.



ANCHOR BOLT DIMENSIONS



(Installation Instructions continue on next page)

NAV Selectable Bollard

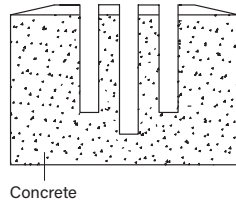


INSTALLATION INSTRUCTIONS (continued)

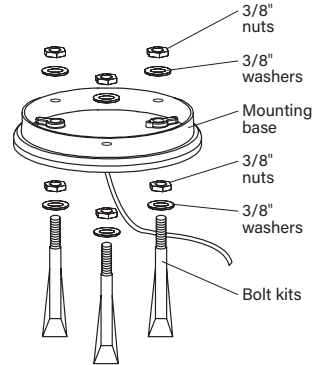
NEW CONSTRUCTION (DRY CONCRETE)

1. Shut off power at the source.

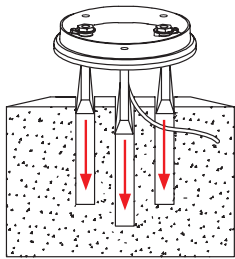
2. Using the anchor bolt template as a guide, drill three (3) 33/64" (13.1mm) diameter holes into the concrete. Hole depth should be at least 0.50" to 1.00" deeper than sleeve bolt length.
Clear debris and dirt from holes.



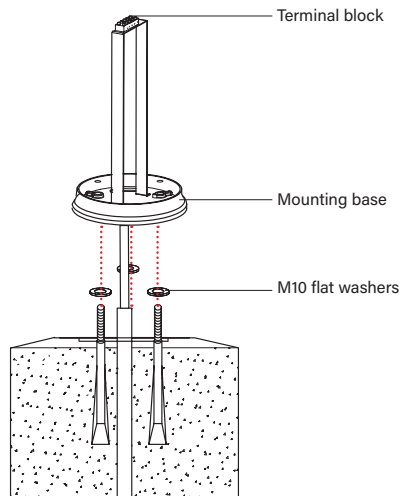
3. Tighten the hardware from top to the bottom as shown below.



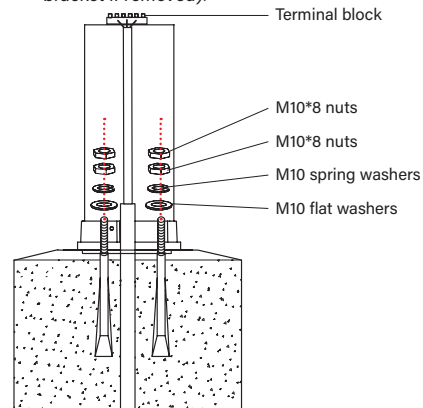
4. Insert assembled mounting base into concrete foundation and tighten top nuts with wrench.



5. Place one (1) M10 flat washer onto each of the three (3) anchor bolts of the anchor bolt unit (*terminal bracket may be removed from mounting base prior to this step for ease of installation*).



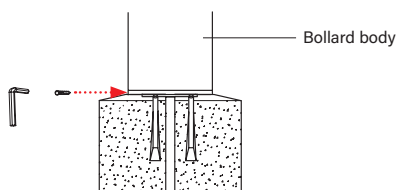
6. Position the body mounting base over sleeve bolts and, to secure the body mounting base to the concrete foundation, place hardware in this order:
– three (3) M10 flat washers,
– three (3) M10 spring washers,
– three (3) M10*8 nuts, and
– three (3) M10*8 nuts.
Tighten all hardware (*reinstall terminal bracket if removed*).



7. Connect the source wires to the body mounting base (see **Mounting Base with Terminal Block** page).

8. Affix bollard head to bollard base and make connections to the terminal block (see **BOLLARD HEAD INSTALLATION** page).

9. Reconnect the bollard body to the mounting base, tightening the three (3) screws on the side of the body mounting base to complete the installation.
Restore power.

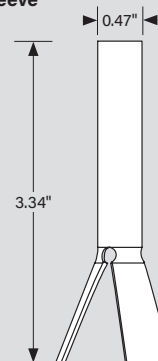


SLEEVE BOLT DIMENSIONS

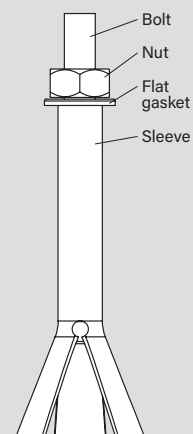
Bolt



Sleeve



Bolt Kit



(Installation Instructions continue on next page)

NAV Selectable Bollard

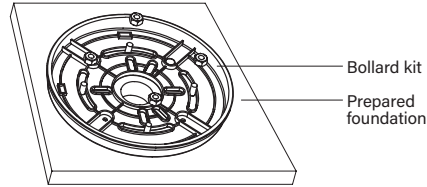


INSTALLATION INSTRUCTIONS (continued)

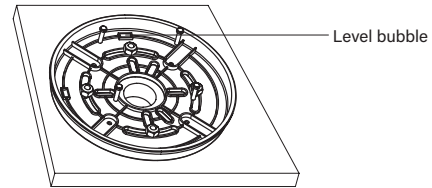
RETROFIT CONSTRUCTION

1. Shut off power at the source.

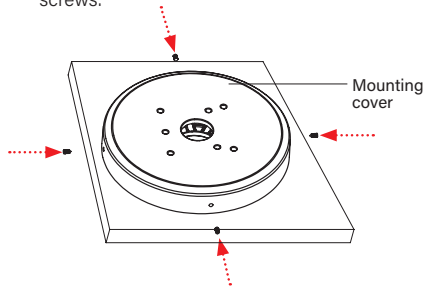
2. Place the mounting kit base on a prepared foundation.



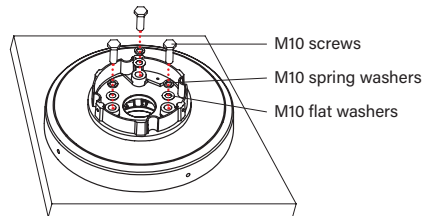
3. Using the level bubble on the mounting kit base, ensure that mounting kit base is level and tighten it to the foundation with four (4) M6 screws.



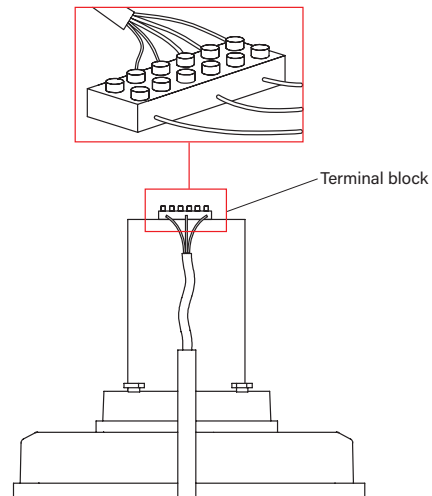
4. Place the mounting cover over the mounting kit base and tighten it with four (4) M16 screws.



5. Position the body mounting base over mounting kit cover and, to secure the body mounting base to the foundation, place hardware in this order:
 - three (3) M10 flat washers,
 - three (3) M10 spring washers, and
 - three (3) M10 screws
 Tighten all hardware.

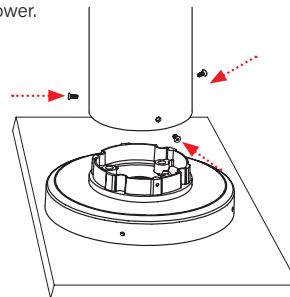


6. Connect the source wires to the body mounting base (see **Mounting Base with Terminal Block** page).



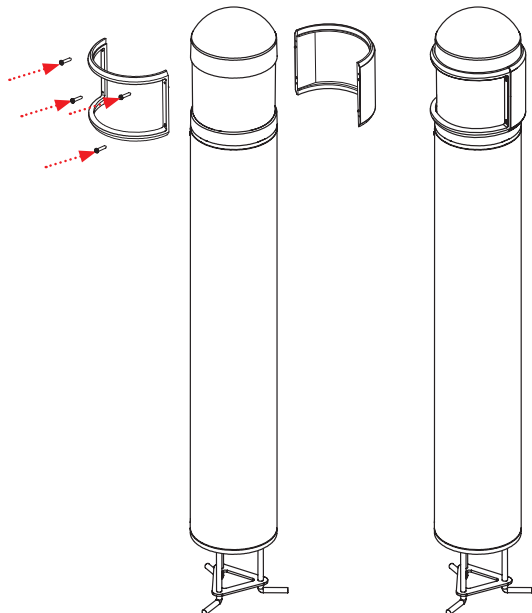
7. Affix bollard head to bollard base and make connections to the terminal block (see **BOLLARD HEAD INSTALLATION** page).

8. Reconnect the bollard body to the mounting base, tightening the three (3) screws on the side of the body mounting base to complete the installation.
 Restore power.



180° SHIELD

1. Place front and rear shield components into position over bollard head and tighten four (4) screws to complete installation.



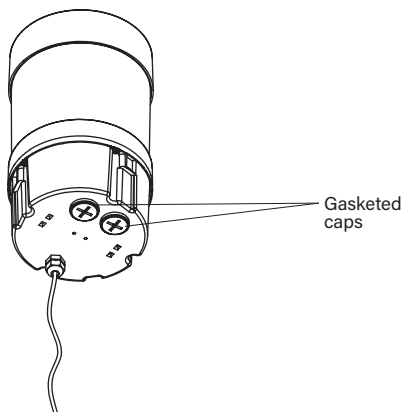
NAV Selectable Bollard



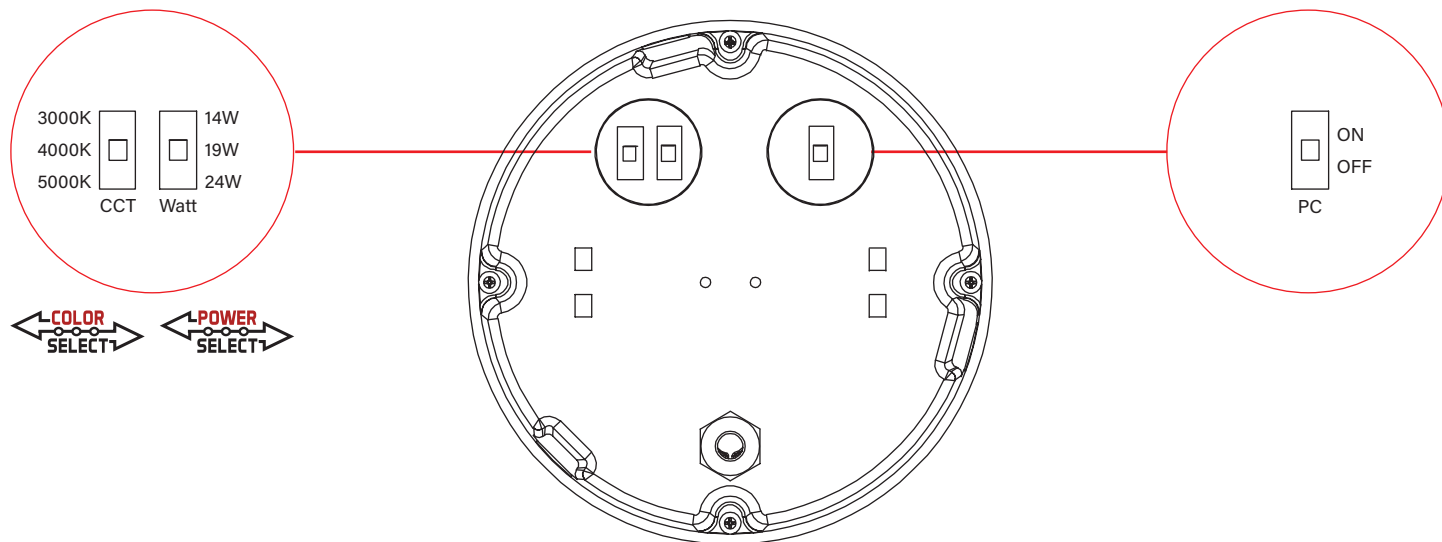
POWER SELECT (WATTAGE), COLOR SELECT (CCT), AND PHOTOCELL ADJUSTMENT

This fixture is equipped with field-adjustable selectable wattage, selectable CCT, and photocell adjustment technology.

1. Ensure power is off to the fixture.
2. Remove the two (2) 0.75" gasketed caps
3. Adjust dip switches to desired settings. *Note: all fixtures are factory preset to highest wattage, 5000K, and photocell enabled.*
4. Screw on gasketed caps.
5. Restore power to fixture.



DRIVER BOTTOM PLATE



NAV Selectable Bollard



PHYSICAL SPECIFICATIONS

