

KT-BLED24PS-XX-UNV-8CSB-VDIM-X

INTERCHANGEABLE BOLLARD HEADS

KT-BLED-6R-UNV-X

BOLLARD BASE

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the fixture.

APPLICATION

For walkways, entrance ways, drives, and other small-area lighting applications where low mounting lights are desirable.

SAFETY AND ELECTRICAL PARAMETERS

WARNING

- Risk of fire, electric shock, injury, or property damage.
- Risk of electric shock—disconnect power to equipment before installing or servicing. This equipment must be installed according to all applicable codes & ordinances.
- Installation and service of this equipment must be performed by qualified service personnel.
- Read these instructions before installing, servicing, or maintaining this equipment.
- The installer must ensure that the foundation is stable and can support the luminaire's weight.
- The Installer must use proper means to secure the luminaire to the ground.

CAUTION

- Edges may cut—wear gloves while handling or servicing this equipment.
- Inspect equipment for damage from shipping and handling.
- Recommended cleaning substances: wipe off dust with a dry, soft cloth. Remove greasy spots, etc.
- This fixture requires a 120–277Vac power source.
- Operating temperature: –40°C to 50°C (–40°F to 122°F).
- Suitable for wet locations.

NOTICE

This device complies with FCC Part 15 Subpart B. Operation is subject to the following two conditions:

1. this device may not cause harmful inference, and
2. this device must accept any inference received, including that which may cause undesired operation.

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

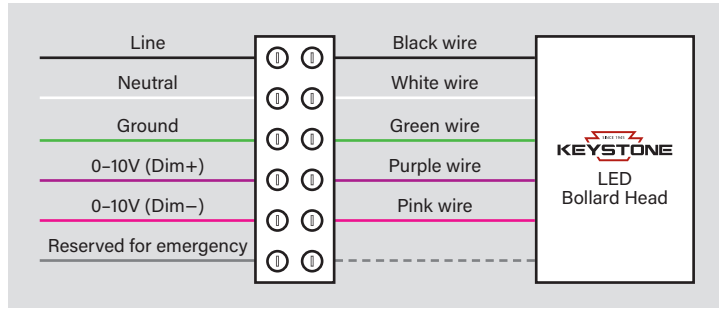
Caution: Before installing, ensure that AC power to the fixture is off.

Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.



WIRING DIAGRAM

MOUNTING BASE WITH TERMINAL BLOCK



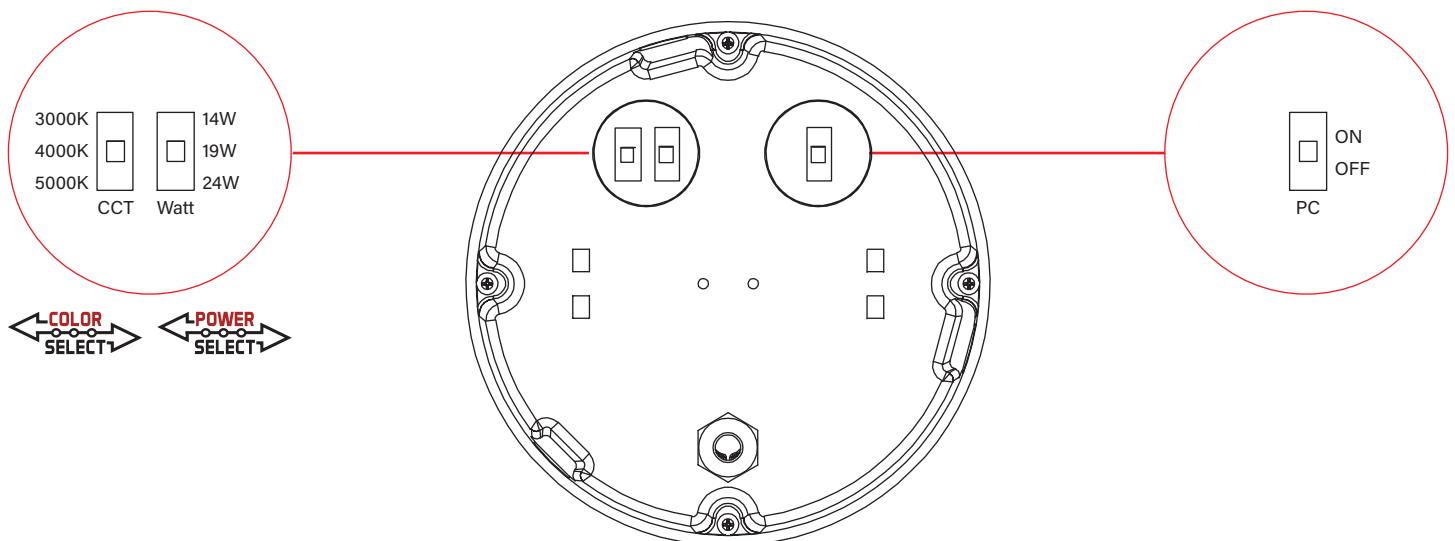
POWER SELECT (WATTAGE), COLOR SELECT (CCT), AND PHOTOCELL ADJUSTMENT

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



ORDERING INFORMATION

BOLLARD BODIES

Catalog Number	Description	Housing Color	UPC	Easy Code
KT-BLED-6R-UNV-KIT	6" diameter, 33.67" tall bollard body Used with KT-BLED24PS bollard head	Bronze	843654162874	SXW-68
KT-BLED-6R-UNV-KIT-B	6" diameter, 33.67" tall bollard body Used with KT-BLED24PS bollard head	Black	843654162881	PZU-88

INTERCHANGEABLE BOLLARD HEADS

Catalog Number	Description	Housing Color	UPC	Easy Code
KT-BLED24PS-1A-UNV-8CSB-VDIM	Cone reflector dome top bollard head Used on KT-BLED-6R-UNV-KIT bollard body	Bronze	843654162768	UJC-90
KT-BLED24PS-1A-UNV-8CSB-VDIM-B	Cone reflector dome top bollard head Used on KT-BLED-6R-UNV-KIT-B bollard body	Black	843654162775	XBH-52
KT-BLED24PS-1B-UNV-8CSB-VDIM	Cone reflector flat top bollard head Used on KT-BLED-6R-UNV-KIT bollard body	Bronze	843654162782	HPH-65
KT-BLED24PS-1B-UNV-8CSB-VDIM-B	Cone reflector flat top bollard head Used on KT-BLED-6R-UNV-KIT-B bollard body	Black	843654162799	CPD-19
KT-BLED24PS-2A-UNV-8CSB-VDIM	Louvered reflector dome top bollard head Used on KT-BLED-6R-UNV-KIT bollard body	Bronze	843654162805	YVH-45
KT-BLED24PS-2A-UNV-8CSB-VDIM-B	Louvered reflector dome top bollard head Used on KT-BLED-6R-UNV-KIT-B bollard body	Black	843654162812	IQY-59
KT-BLED24PS-2B-UNV-8CSB-VDIM	Louvered reflector flat top bollard head Used on KT-BLED-6R-UNV-KIT bollard body	Bronze	843654162829	JXE-74
KT-BLED24PS-2B-UNV-8CSB-VDIM-B	Louvered reflector flat top bollard head Used on KT-BLED-6R-UNV-KIT-B bollard body	Black	843654162836	XGI-57
KT-BLED24PS-3C-UNV-8CSB-VDIM	Decorative UFO-style bollard head Used on KT-BLED-6R-UNV-KIT bollard body	Bronze	843654162843	WJO-14
KT-BLED24PS-3C-UNV-8CSB-VDIM-B	Decorative UFO-style bollard head Used on KT-BLED-6R-UNV-KIT-B bollard body	Black	843654162867	SLP-40

HARDWARE KITS

Catalog Number	Description	UPC	Easy Code
KT-ABOLT-6R-KIT	Anchor bolt kit Includes (3) bolts, hardware, and template Used with KT-BLED-6R-UNV-KIT(-B) bollard body For replacements and advance shipments only	843654162898	SSZ-33
KT-SBOLT-6R-KIT	Sleeve bolt kit Includes (3) bolts, hardware, and template Used with KT-BLED-6R-UNV-KIT(-B) bollard body in dry concrete	843654162904	MHQ-54

ADAPTORS

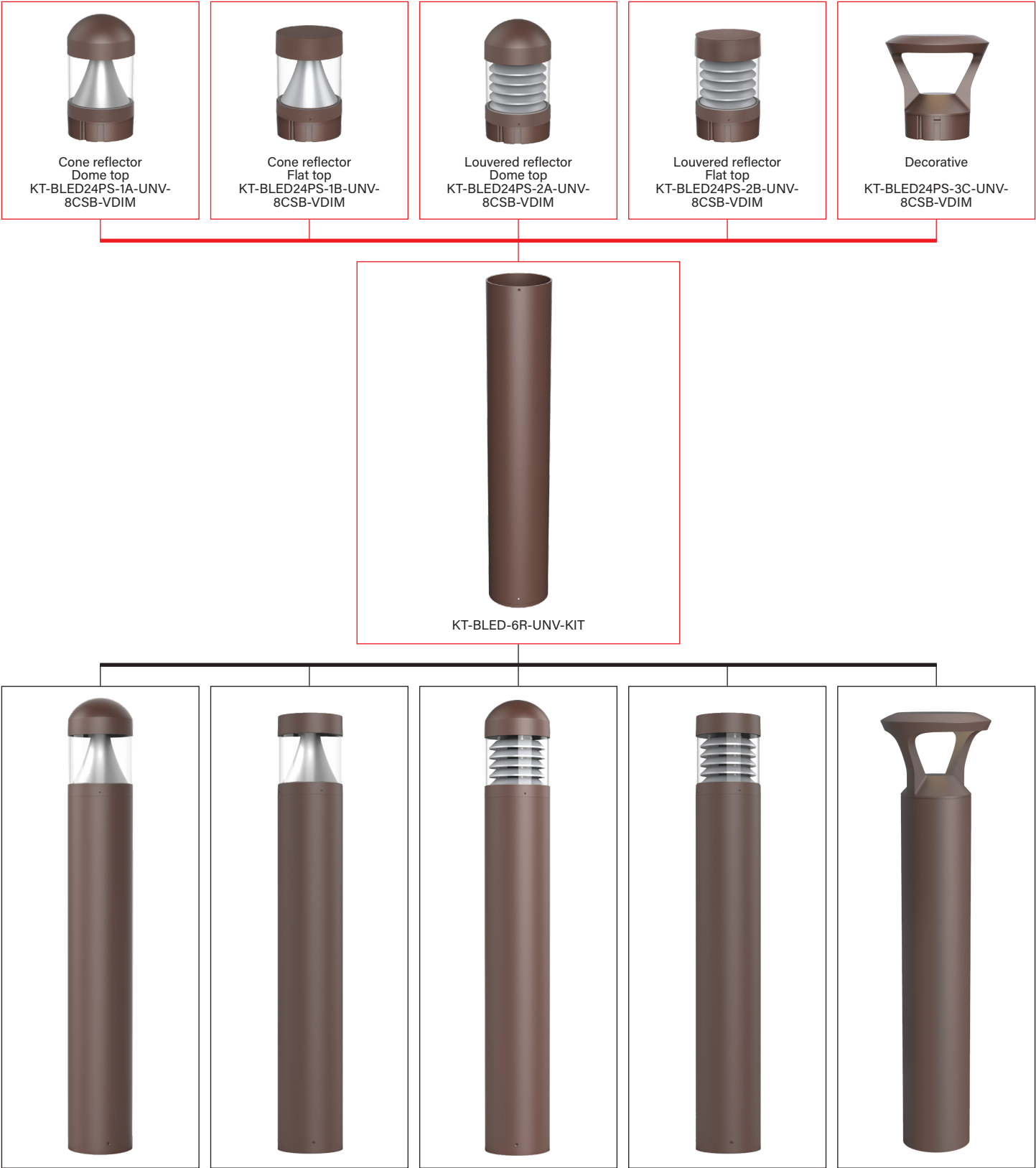
Catalog Number	Description	Housing Color	UPC	Easy Code
KT-BLED-PLATE-KIT	Retrofit plate Includes adaptor and cover Used with legacy 8" and 10" bollards	Bronze	843654162911	DGW-15
KT-BLED-PLATE-KIT-B	Retrofit plate Includes adaptor and cover Used with legacy 8" and 10" bollards	Black	843654162928	GVP-48

SHIELDS

Catalog Number	Description	Housing Color	UPC	Easy Code
KT-BLED-SHIELD-180-KIT	180° shield Used on KT-BLED24PS cone and louvered reflector bollard heads	Bronze	843654162935	SPE-47
KT-BLED-SHIELD-180-KIT-B	180° shield Used on KT-BLED24PS cone and louvered reflector bollard heads	Black	843654162942	EH1-07

BOLLARD BODY AND HEAD MOUNTING OPTIONS

BRONZE FINISH



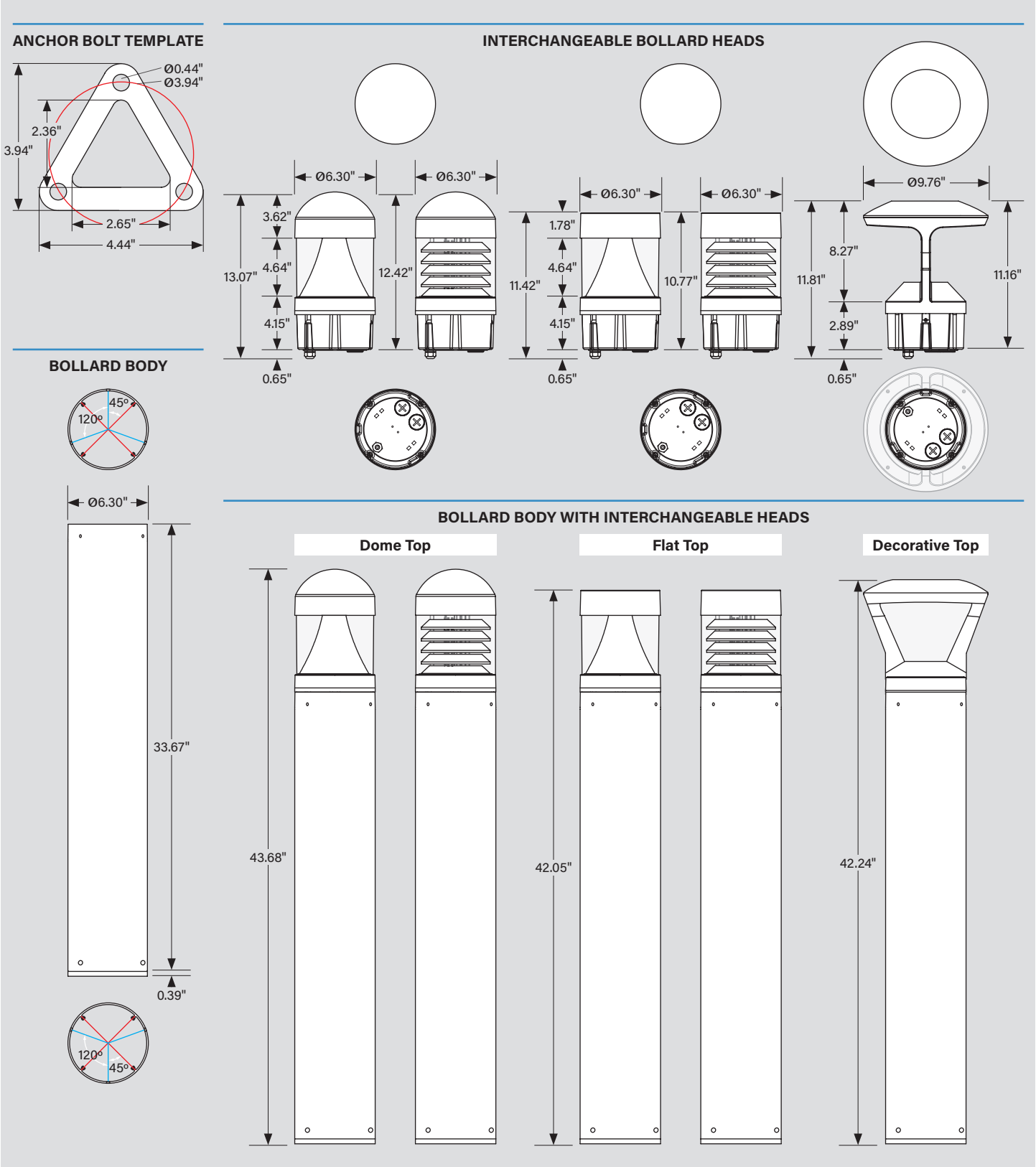
(Bollard Body and Head Mounting Options continue on next page)

BOLLARD BODY AND HEAD MOUNTING OPTIONS (continued)

BLACK FINISH



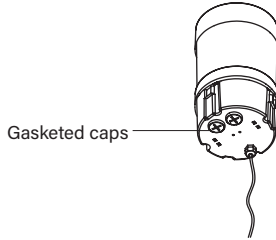
PHYSICAL SPECIFICATIONS



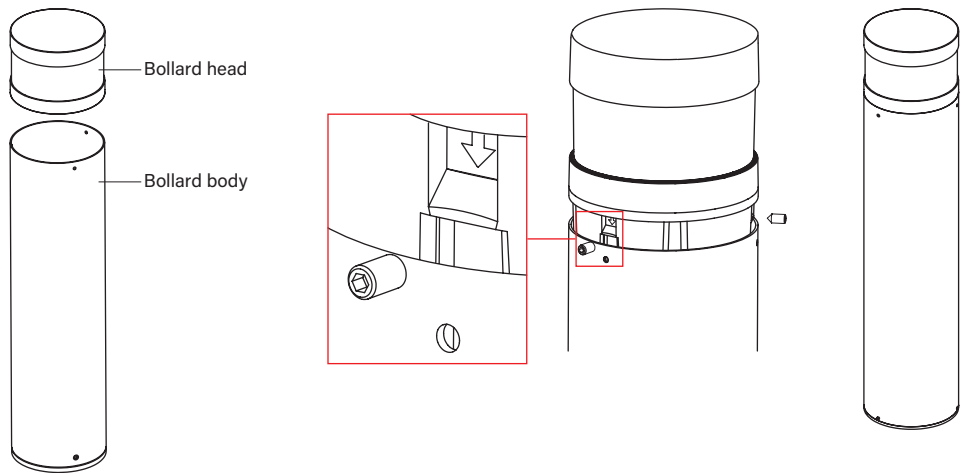
INSTALLATION INSTRUCTIONS

BOLLARD HEAD INSTALLATION

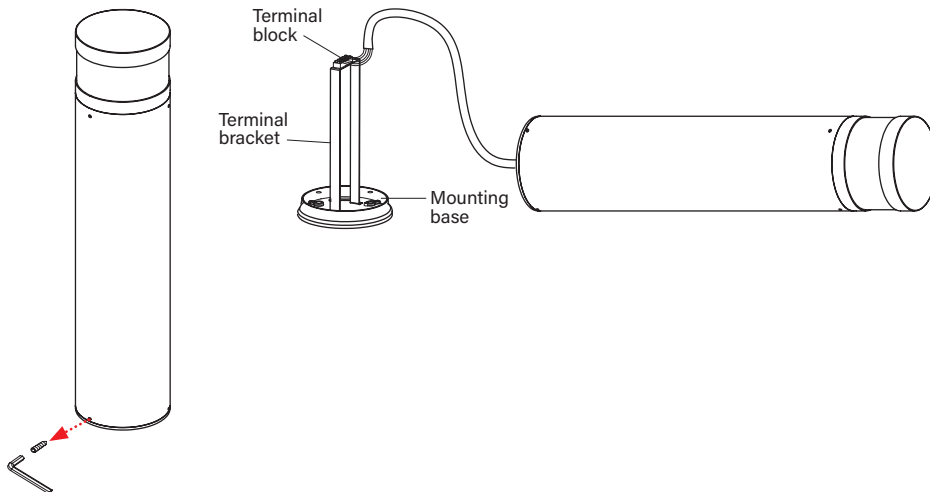
1. On the underside of bollard head, from the bottom plate, remove the two (2) gasketed caps and adjust wattage, CCT, and photocell dip switches to desired settings. Replace gasketed caps (see **Power Select (Wattage), Color Select (CCT), and Photocell Adjustment** on page 2).



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.



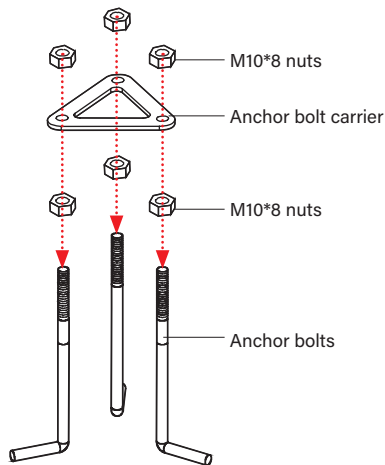
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INSTALLATION INSTRUCTIONS

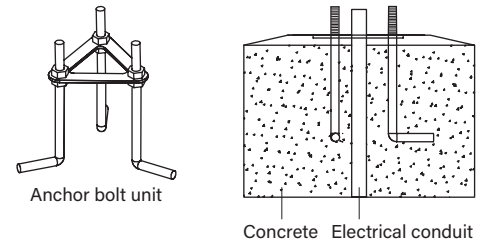
NEW CONSTRUCTION (WET CONCRETE)

1. Shut off power at the source.

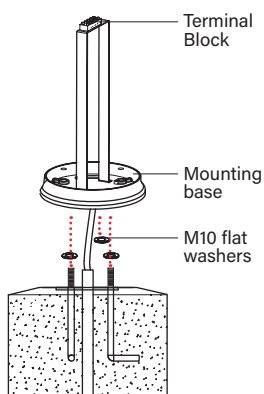
2. Use three (3) anchor bolts, the anchor bolt carrier, and six (6) M10*8 nuts to assemble anchor bolt unit (see **Anchor Bolt Template** on page 6). After assembly, determine placement of anchor bolt unit in concrete.



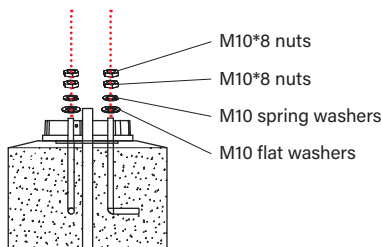
3. Install anchor bolt unit into concrete, allowing at least 1.50"-2.00" to protrude from top of concrete with anchor bolt threads free and clear of debris and dirt. (**Note:** electrical conduit space must be situated in the concrete, centered within anchor bolt unit installation).



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.



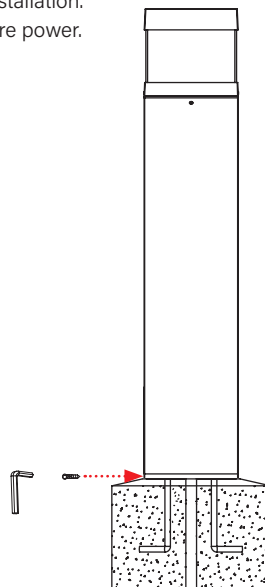
5. Position the body mounting base over anchor bolts and, to secure the body mounting base to the concrete foundation, place hardware in this order:
- three (3) M10 flat washers,
 - three (3) M10 spring washers,
 - three (3) M10*8 nuts, and
 - three (3) M10*8 nuts.
- Tighten all hardware.



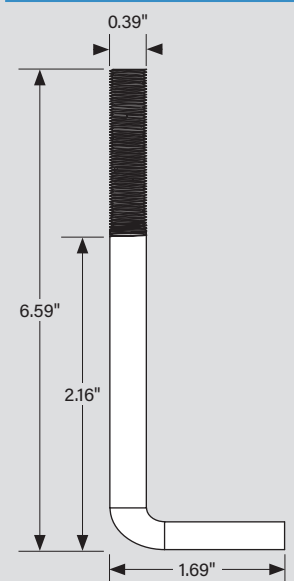
6. Reconnect the terminal bracket to the mounting base. Once complete, affix bollard head to bollard base and make connections to the terminal block (see **BOLLARD HEAD INSTALLATION** on page 7).

7. Connect the source wires to the body mounting base (see **Mounting Base with Terminal Block** on page 2).

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.



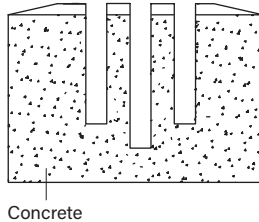
ANCHOR BOLT DIMENSIONS



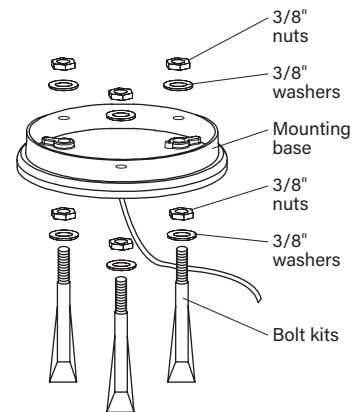
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INSTALLATION INSTRUCTIONS (continued)**NEW CONSTRUCTION (DRY CONCRETE)****1. Shut off power at the source.**

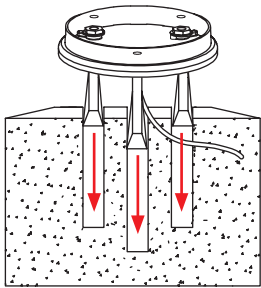
- 2.** Using the anchor bolt template as a guide, drill three (3) 33/64" (13.1mm) diameter holes into the concrete. Hole depth should be at least 0.50" to 1.00" deeper than sleeve bolt length.
Clear debris and dirt from holes.



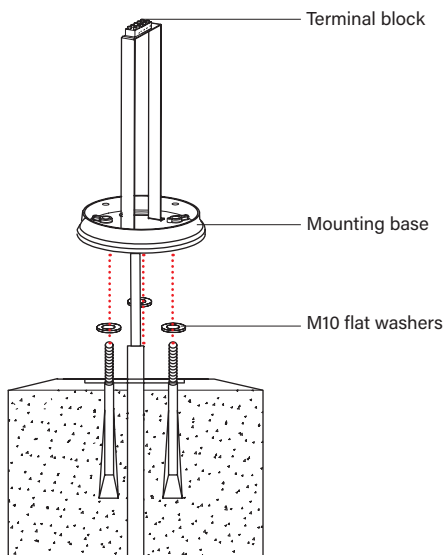
- 3.** Tighten the hardware from top to the bottom as shown below.



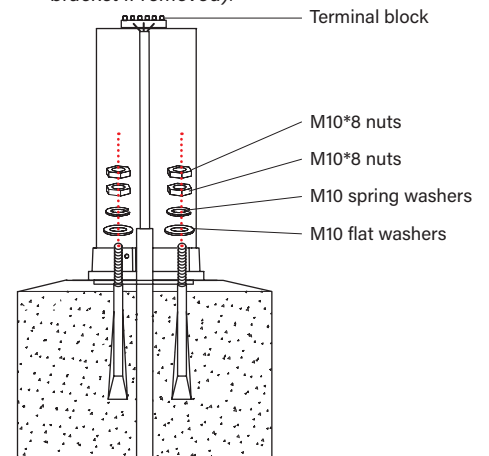
- 4.** Insert assembled mounting base into concrete foundation and tighten top nuts with wrench.



- 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*).



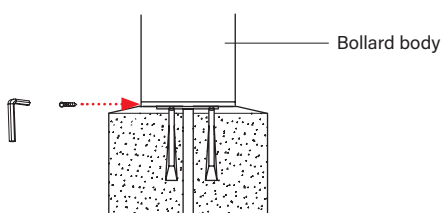
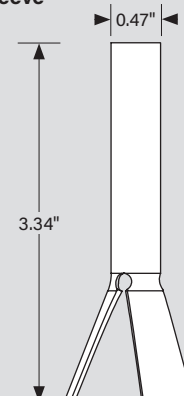
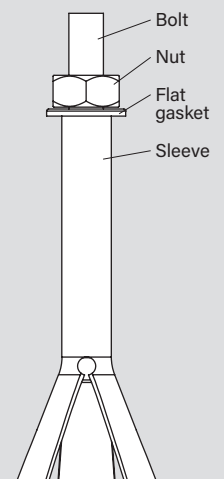
- 6.** Position the body mounting base over sleeve bolts and, to secure the body mounting base to the concrete foundation, place hardware in this order:
– three (3) M10 flat washers,
– three (3) M10 spring washers,
– three (3) M10*8 nuts, and
– three (3) M10*8 nuts.
Tighten all hardware (*reinstall terminal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



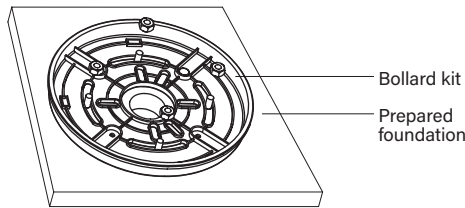
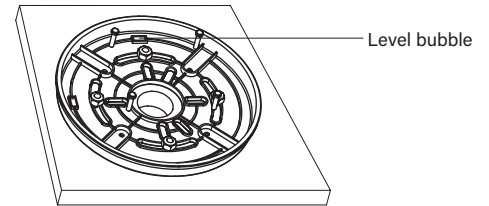
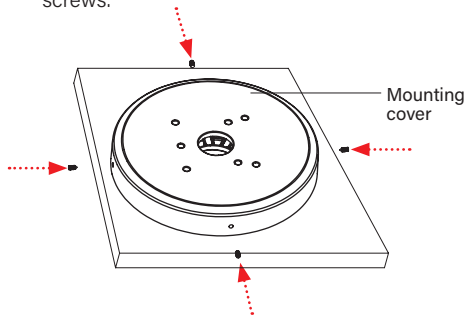
- 7.** Connect the source wires to the body mounting base (see **Mounting Base with Terminal Block** on page 2).

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

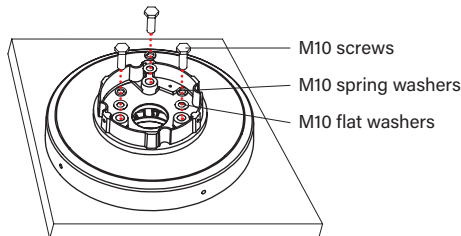
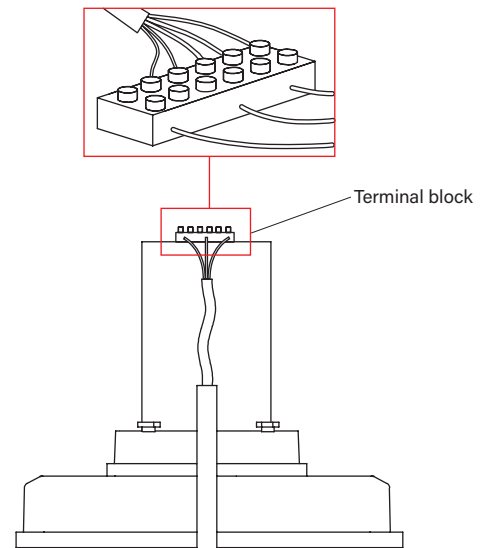
- 9.** Reconnect the bollard body to the mounting base, tightening the three (3) screws on the side of the body mounting base to complete the installation.
Restore power.

**SLEEVE BOLT DIMENSIONS****Bolt****Sleeve****Bolt Kit**

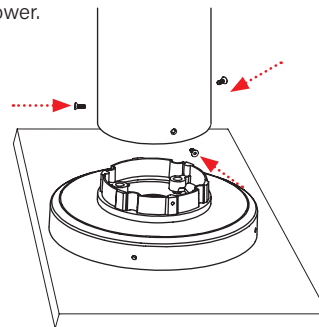
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INSTALLATION INSTRUCTIONS (continued)**RETROFIT CONSTRUCTION****1. Shut off power at the source.****2. Place the mounting kit base on a prepared foundation.****3. Using the level bubble on the mounting kit base, ensure that mounting kit base is level 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* on page 2).****7. Affix bollard head to bollard base and make connections to the terminal block (see *BOLLARD HEAD INSTALLATION* on page 7).****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.**