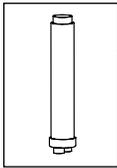


POWER PIPE™ SYSTEM



Power Pipe™ Junction Box Installation Instructions



Warning



High Voltage



Hot Surface

TOOLS REQUIRED:



Waterproof Wire Connectors



5/64" Allen Wrench



Phillips Screwdriver

By Others

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted lamp is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
 Turn off/unplug and allow to cool before replacing lamp.
 Lamp gets HOT quickly! Contact only switch/plug when turning on.

Do not touch hot lens, guard, or enclosure (see diagram/picture).

Keep lamp away from materials that may burn.
 Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.

Do not operate the luminaire fitting with a missing or damaged shield.

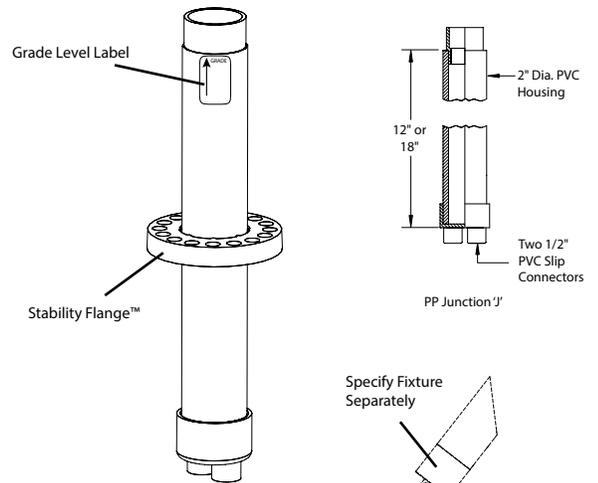
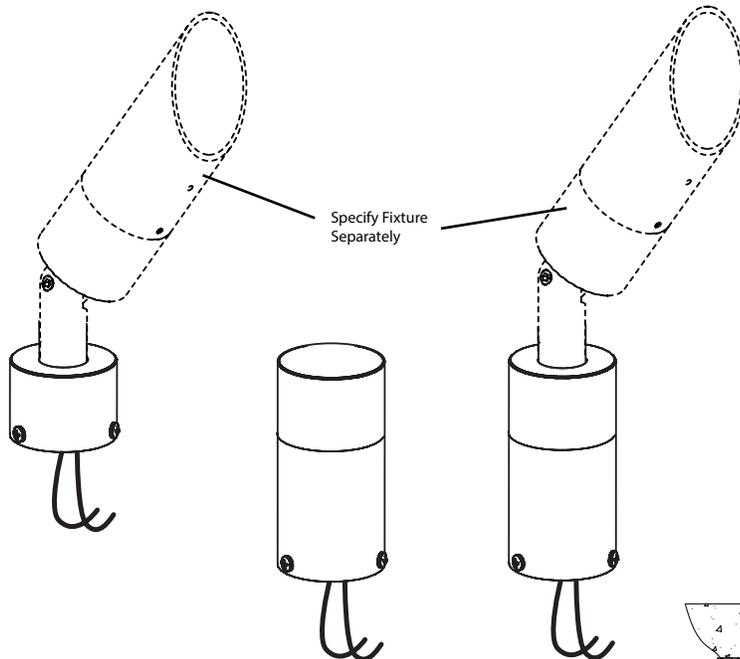
SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel must perform all servicing or relamping of this product.
- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body. Do not touch the lamp at any time. Use a clean, dry, soft cloth to handle the lamp. Oil from skin may damage the lamp and cause it to rupture.
- Replace lamp only with correct wattage and type of lamp marked on fixture label.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

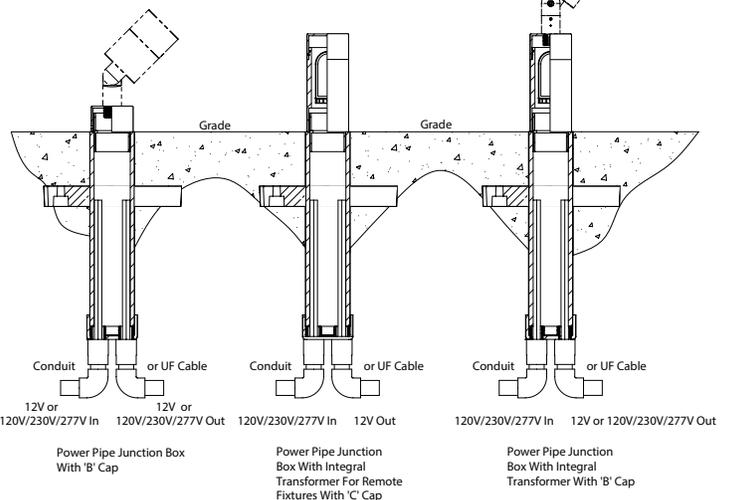
IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations



Proper soil preparation is recommended before installation. See the DIG-IT guide at www.bklighting.com/dig-it for more information.

Please refer to the low voltage design guide at www.bklighting.com/lvguide before installation for proper wire selection.



IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

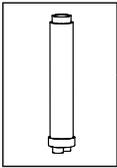
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POWER PIPE™ SYSTEM

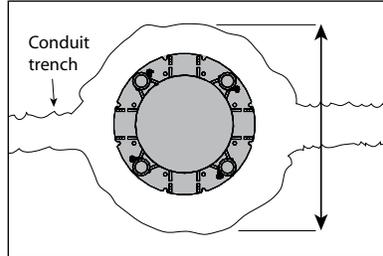
Power Pipe™ Junction Box Installation Instructions

TRANSFORMER HOUSING MUST BE INSTALLED ABOVE GRADE. POWER PIPE™ IS LABELED AT GRADE LEVEL. TRANSFORMER HOUSING INSTALLED BELOW GRADE WILL VOID WARRANTY

Soil Prep



A. Determine Soil Type by referencing DIG-IT Guide. Prep soil according to DIG-IT Guide.

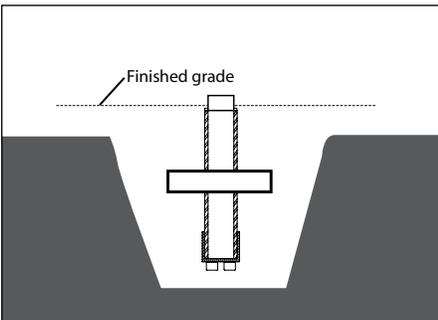


B. Dig hole 10" wide and 24" deep.

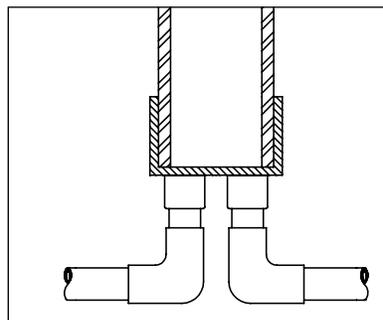


C. Prep soil according to DIG-IT Guide.

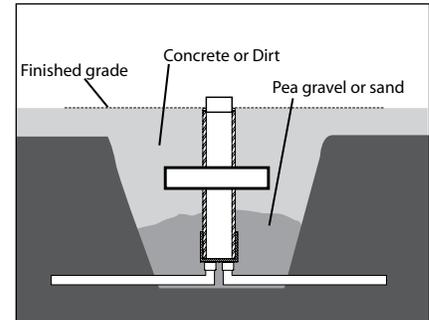
INSTALLATION OF POWER PIPE™ JUNCTION BOX



1. Excavate trench according to designed lighting plan. Dig hole a minimum of 24" deep and 10" wide to accommodate Power Pipe™ at desired fixture locations. **Do not cut PVC.**

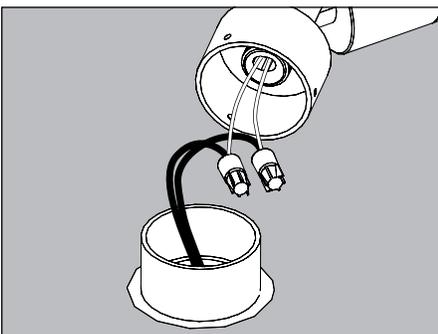


2. Connect conduit to the 1/2" conduit couplers attached to the bottom of the Power Pipe™. Place Power Pipe™ in hole.



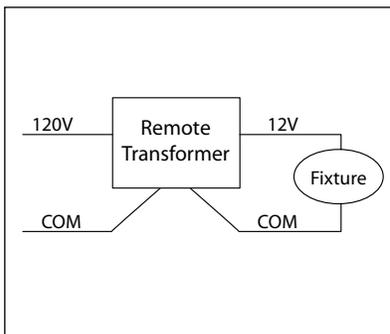
3. Back fill hole with soil and/or prep for concrete.
4. Pull branch circuit or low voltage wiring necessary for appropriate installation (By Others).

JUNCTION BOX WITH "B" CAP:

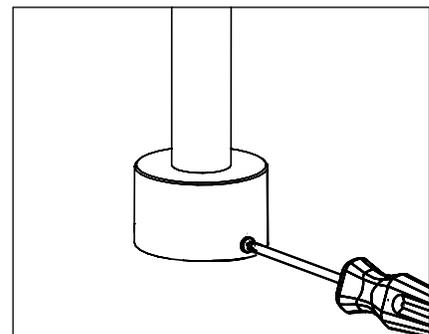


1. Make watertight connections from remote 12V transformer to fixture leads using waterproof wire connectors. (By Others)

⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.



WIRING DIAGRAM



2. Attach B cap to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base to secure to Power Pipe™ with Phillips screwdriver.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

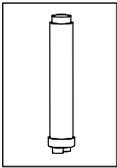


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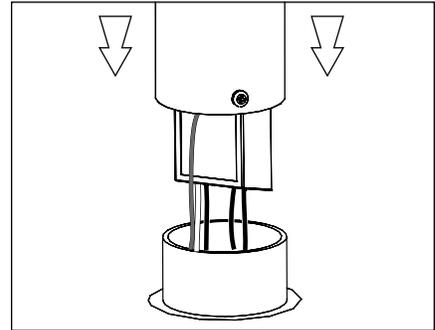
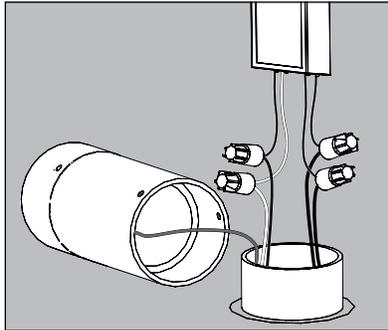
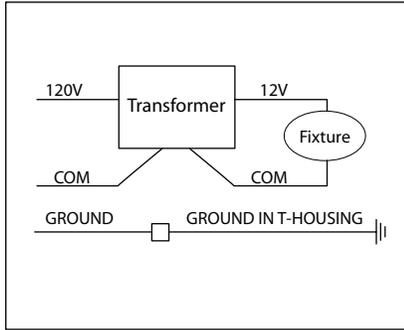
REFERENCE NUMBER
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POWER PIPE™ SYSTEM

Power Pipe™ Junction Box Installation Instructions

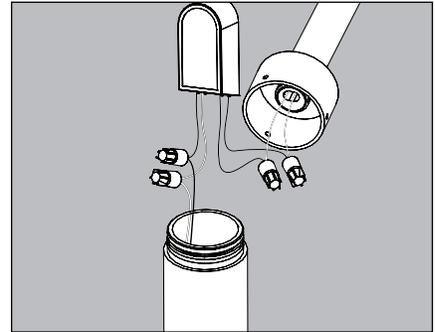
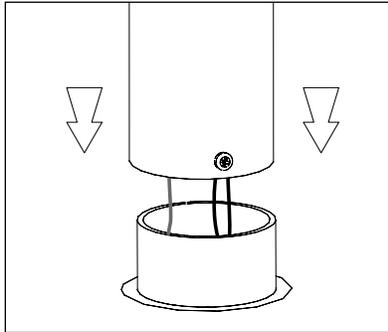
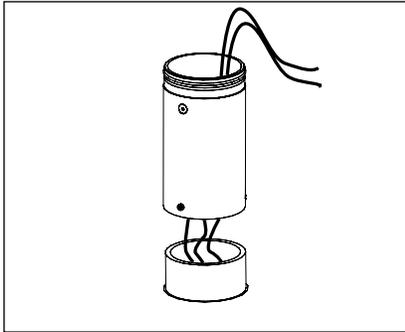
JUNCTION BOX WITH INTEGRAL TRANSFORMER T-HOUSING WITH "C" CAP:



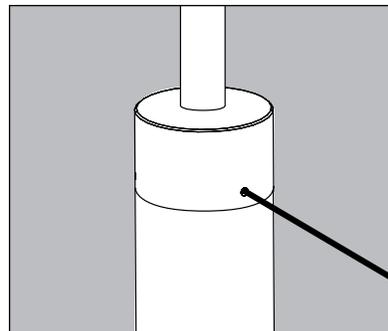
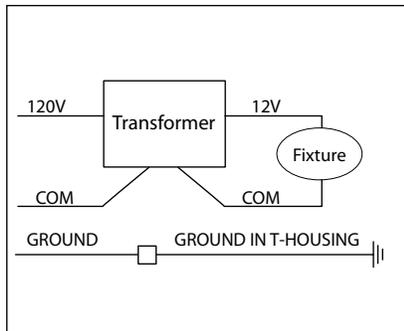
1. Make watertight connections from primary branch circuit to primary side of transformer using waterproof wire connectors. (By Others). Attach secondary leads from transformer to low voltage cable using approved waterproof wire connectors. (By Others).
2. Attach ground from branch circuit to screw in transformer T-housing. Place transformer and connectors into T-housing.
3. Attach C cap and transformer T-housing to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base of housing to secure to Power Pipe™ with Phillips screwdriver.

⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

JUNCTION BOX WITH INTEGRAL TRANSFORMER AND "B" CAP:



1. Pull primary branch circuit through transformer T-housing. Attach ground from branch circuit to screw in transformer T-housing.
2. Attach transformer T-housing to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base of housing to secure to Power Pipe™ with Phillips screwdriver.
3. Make watertight connections from primary branch circuit wiring to primary side of transformer using waterproof wire connectors. (By Others). Attach secondary leads from transformer to fixture leads using waterproof wire connectors. (By Others). **See wiring diagram.**



⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

WIRING DIAGRAM

4. Place transformer and connectors into T-housing. Attach B cap to T-housing with (3) #8-32 stainless steel set screws using 5/64" Allen wrench.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**



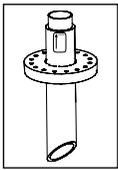
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POWER PIPE™ SYSTEM



Power Pipe™ Stake and Adjustable Stem Installation Instructions



**TOOLS
REQUIRED:**

- 5/64" Allen Wrench
 - Waterproof Wire Connectors
 - Phillips Screwdriver
- By Others**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted lamp is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
 Turn off/unplug and allow to cool before replacing lamp.
 Lamp gets HOT quickly! Contact only switch/plug when
 turning on.
 Do not touch hot lens, guard, or enclosure (see diagram/
 picture).
 Keep lamp away from materials that may burn.
 Do no touch the lamp at any time. Use a soft cloth. Oil
 from skin may damage lamp.
 Do not operate the luminaire fitting with a missing or
 damaged shield.

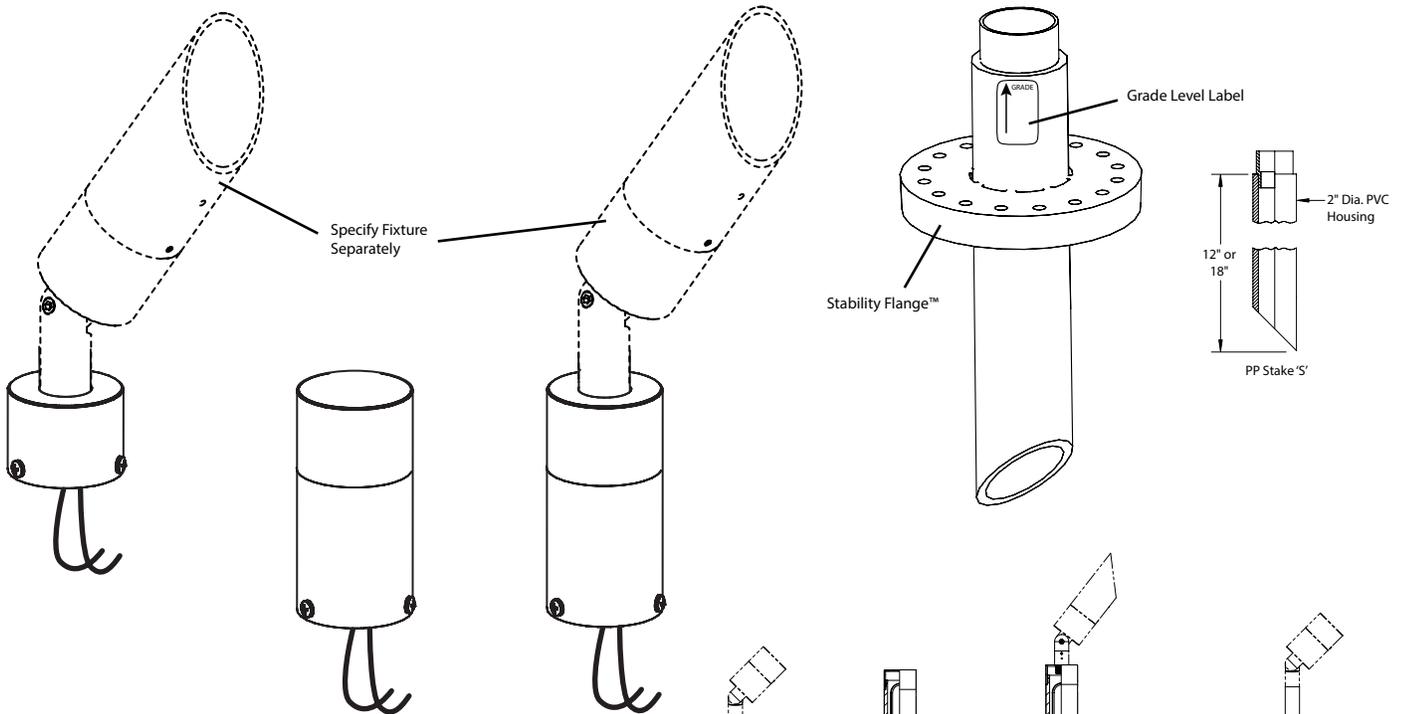
SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel must perform all servicing or relamping of this product.
- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body. Do not touch the lamp at any time. Use a clean, dry, soft cloth to handle the lamp. Oil from skin may damage the lamp and cause it to rupture.
- Replace lamp only with correct wattage and type of lamp marked on fixture label.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

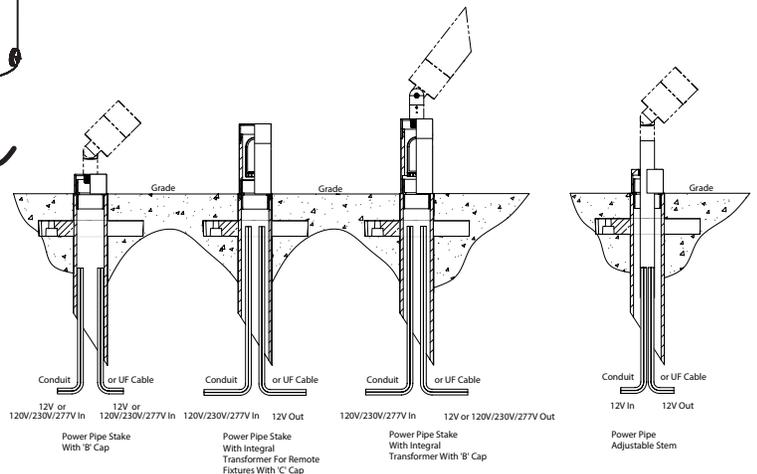
IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations



Proper soil preparation is recommended before installation. See the DIG-IT guide at www.bklighting.com/dig-it for more information.

Please refer to the low voltage design guide at www.bklighting.com/lvguide before installation for proper wire selection.



IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

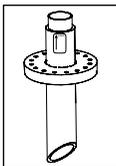
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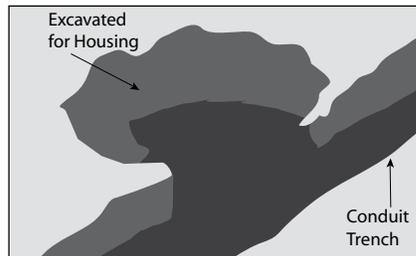
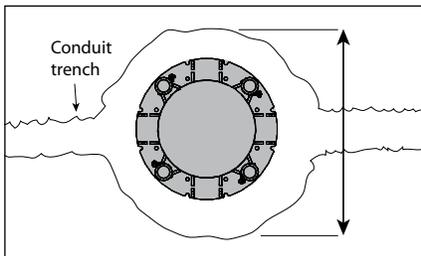
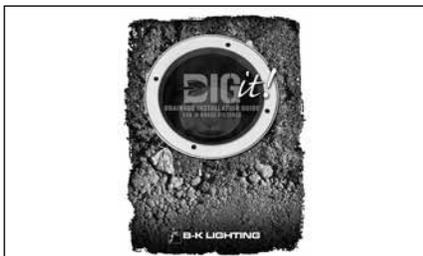


POWER PIPE™ SYSTEM

Power Pipe™ Stake and Adjustable Stem Installation Instructions

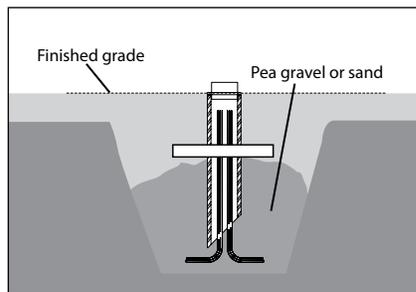
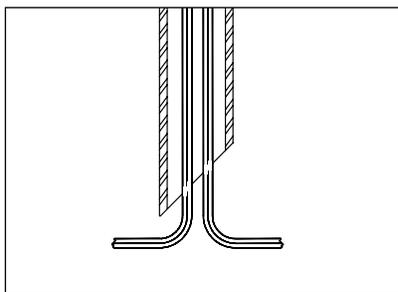
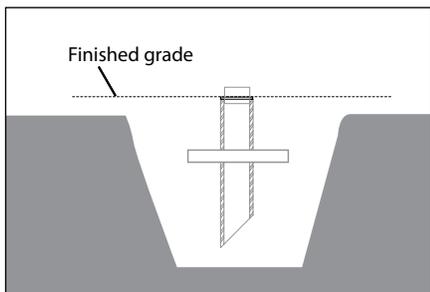
**TRANSFORMER HOUSING MUST BE INSTALLED ABOVE GRADE. POWER PIPE™ IS LABELED AT GRADE LEVEL.
TRANSFORMER HOUSING INSTALLED BELOW GRADE WILL VOID WARRANTY**

Soil Prep



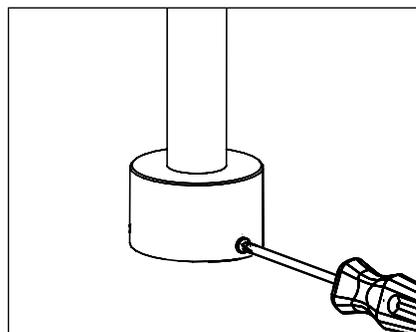
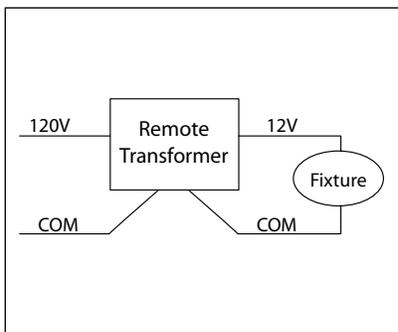
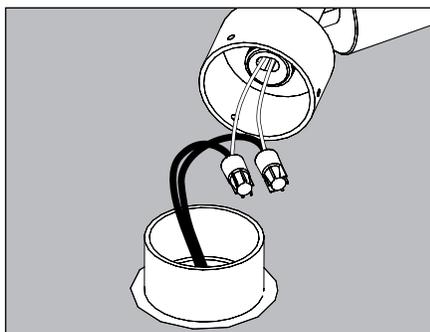
- A. Determine Soil Type by referencing DIG-IT Guide. Prep soil according to DIG-IT Guide.
 B. Dig hole 10" wide and 24" deep.
 C. Prep soil according to DIG-IT Guide.

INSTALLATION OF POWER PIPE™ STAKE



1. Excavate trench according to designed lighting plan. Dig hole a minimum of 24" deep and 10" wide to accommodate Power Pipe™ at desired fixture locations. **Do not cut PVC.**
 2. Route the necessary UL approved under ground branch circuit or low voltage wiring to Power Pipe™ necessary for appropriate installation. Leave enough length to make connections to fixture leads.
 3. Back fill hole with soil and/or prep for concrete.
 4. Pull branch circuit or low voltage wiring necessary for appropriate installation (By Others).

STAKE WITH "B" CAP:



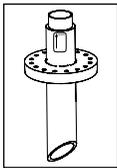
1. Make watertight connections from remote 12V transformer to fixture leads using waterproof wire connectors. (By Others)
 2. Attach B cap to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base to secure to Power Pipe™ with Phillips screwdriver.

⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

WIRING DIAGRAM

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**



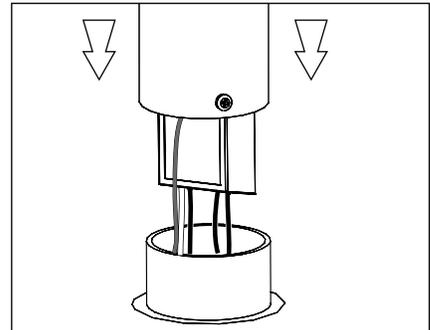
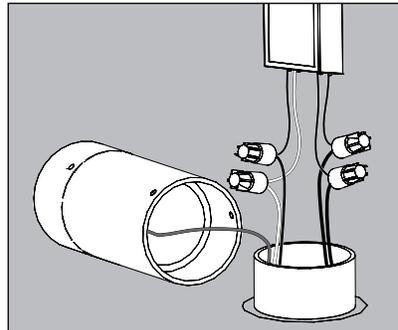
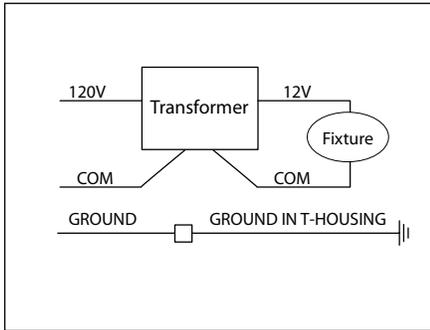


POWER PIPE™ SYSTEM

Power Pipe™ Stake and Adjustable Stem Installation Instructions

| | |
|----------|--|
| PROJECT: | |
| TYPE: | |

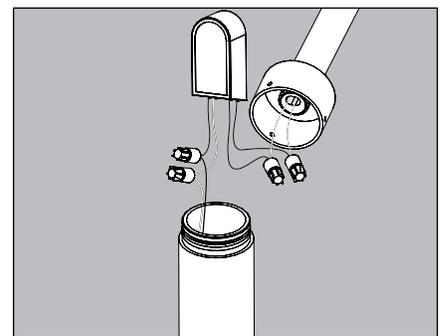
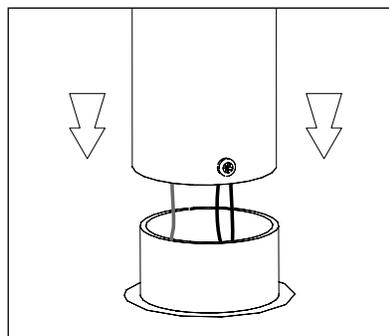
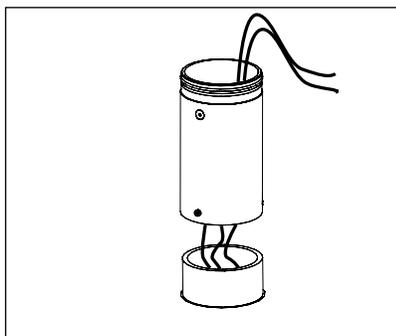
STAKE WITH INTEGRAL TRANSFORMER T-HOUSING WITH "C" CAP:



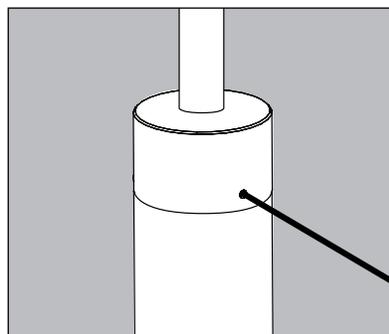
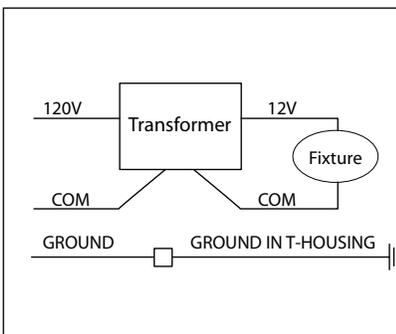
1. Make watertight connections from primary branch circuit to primary side of transformer using waterproof wire connectors. (By Others). Attach secondary leads from transformer to low voltage cable using waterproof wire connectors. (By Others).
2. Attach ground from branch circuit to screw in transformer T-housing. Place transformer and connectors into T-housing.
3. Attach C cap and transformer T-housing to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base of housing to secure to Power Pipe™ with Phillips screwdriver.

⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

STAKE WITH INTEGRAL TRANSFORMER AND "B" CAP:



1. Pull primary branch circuit through transformer T-housing. Attach ground from branch circuit to screw in transformer T-housing.
2. Attach transformer T-housing to Power Pipe™ with (3) #8-32 round head Phillips stainless steel screws at base of housing to secure to Power Pipe™ with Phillips screwdriver.
3. Make watertight connections from primary branch circuit to primary side of transformer using waterproof wire connectors. (By Others). Attach secondary leads from transformer to fixture leads using waterproof wire connectors. (By Others). **See wiring diagram.**



⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

WIRING DIAGRAM

4. Place transformer and connectors into T-housing. Attach B cap to T-housing with (3) #8-32 stainless steel set screws using 5/64" Allen wrench.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
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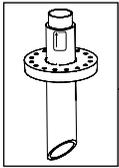


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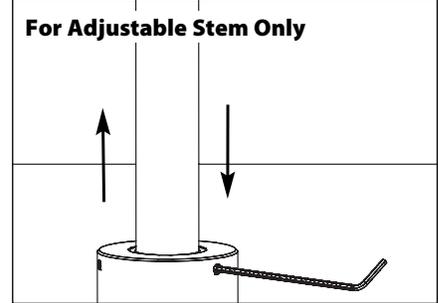
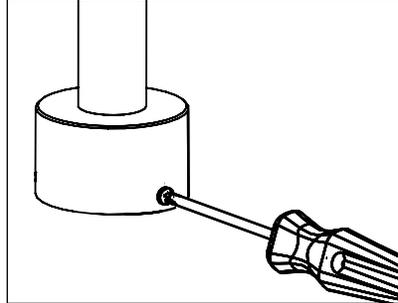
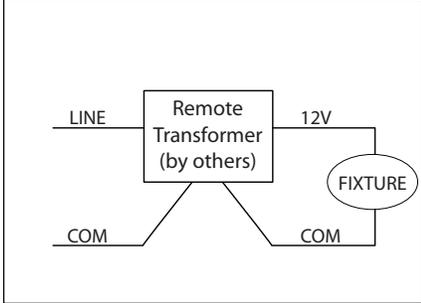


POWER PIPE™ SYSTEM

Power Pipe™ Stake and Adjustable Stem Installation Instructions

| | |
|----------|--|
| PROJECT: | |
| TYPE: | |

ADJUSTABLE STEM FIXTURE INSTALLATION



1. Make watertight connections from remote transformer to fixture leads using waterproof wire connectors. (By Others).

2. Insert additional wires and connectors into Power Pipe. Place fixture on Power Pipe™.

3. Tighten three (3) #8-32 round head Phillips stainless steel screws at base to secure to Power Pipe™ with Phillips screwdriver.

4. Slide stem up or down to desired height. Delrin bushing holds stem in position. Tighten three (3) #8-32 stainless steel set screws using a 5/64" Allen wrench to lock mounting height in place. Unused stem length remains hidden inside Power Pipe™ to accommodate future landscape growth.

⚠ Adjustable stem includes 60" of additional 18/2 direct burial low voltage cable.

⚠ Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.

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