

# INSTALLATION INSTRUCTION

## Indicator Lights

RM-1011/ 1021

RM-2011/ 2021/ 2091/ 2101

# WAC

### WARNING

IMPORTANT: NEVER attempt to do any work without shutting off the electricity.

1. Read all instructions before installing.
2. System is intended for installation by a qualified electrician in accordance with the National Electrical Code and local regulations.
3. Place the wall switch in the "OFF" position.
4. Go to the main fuse box, or circuit breaker. Unscrew the fuse(s) or switch "OFF" the circuit breaker switch(es) that control the power to the space that you are working on.
5. Risk of electric shock. Install all luminaires 10 feet (3.05m) or more from a pool, spa or fountain.

### CAUTION

- All parts must be used as indicated in these instructions. Do not substitute any parts, leave parts out, or use any parts that are worn out or broken. Failure to follow this instruction may invalidate the UL listing of this fixture.

### AVERTISSEMENT

IMPORTANT: Coupez l'électricité avant TOUTE manipulation.

- Lisez toutes les instructions avant d'installer.
- Système est destiné à être installé par un électricien qualifié en conformité avec le code national de l'électricité et les règlements locaux.
- Placez l'interrupteur mural en position d'arrêt (« OFF »).
- Toujours mettre le fusible ou le disjoncteur en position arrêt dans la pièce ou des travaux électriques sont prévus

### MISE EN GARDE

- Toutes les pièces doivent être utilisées tel qu'il est indiqué dans ces instructions. Ne remplacez pas les pièces, n'en laissez pas de côté et ne les utilisez pas si elles sont usées ou brisées. Le non-respect de ces instructions peut annuler l'homologation UL du luminaire.

### ADVERTENCIA

IMPORTANTE: NUNCA intente hacer trabajos sin desconectar el suministro eléctrico.

- Lea y comprenda todas las instrucciones e ilustraciones por completo antes de proceder con el ensamblaje e instalación de esta lámpara.
- Sistema está diseñado para ser instalado por un electricista calificado, de acuerdo con el código eléctrico nacional y las normas locales.
- Coloque el interruptor de la pared en la posición "OFF" (APAGADO).
- Diríjase a la caja de fusibles o a la caja del interruptor de circuito principal en su hogar. Coloque el interruptor de alimentación principal en la posición "OFF" (APAGADO).

### PRECAUCIÓN

- Todas las piezas deben usarse como lo indican estas instrucciones. No reemplace las piezas, no omita piezas durante la instalación ni utilice piezas gastadas o rotas. El incumplimiento de esta indicación podría invalidar la calificación UL esta lámpara.

**THIS INSTRUCTIONS APPLY TO THE MODELS BELOW:** \*Note: WAC power supply is required to power the fixture. (sold separately)



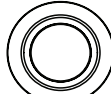
RM-1011



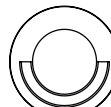
RM-1021



RM-2011



RM-2021



RM-2091



RM-2101

Fixture Accessory (included in box)



Outdoor Rated Wire Nut  
Model: **9020-WNT-BK**  
Qty: 2pcs

wacighting.com  
Phone (800) 526.2588  
Fax (800) 526.2585

Headquarters/Eastern Distribution Center  
44 Harbor Park Drive  
Port Washington, NY 11050

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1600 Distribution Ct  
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Western Distribution Center  
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## Indicator Lights

RM-1011/ 1021

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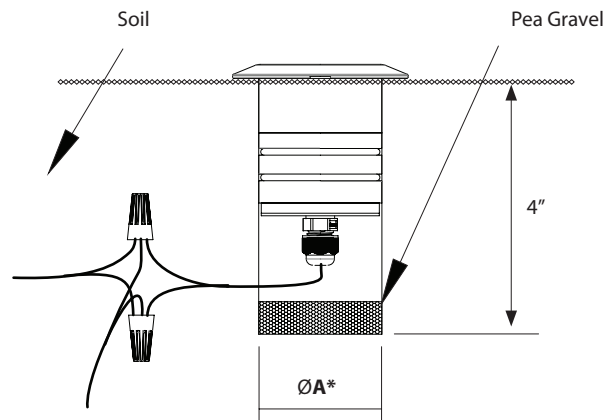
# WAC

### SOFTSCAPE INSTALLATION

*\*Note: Power supply is required to power the fixture.(sold separately)*

1. Turn the main power off.
2. Dig a hole at the point of application. Make sure the hole measures roughly  $\varnothing A^*$  in diameter and 4 inches in depth. (**Fig.1**)
3. Place a layer of pea gravel at the base of the hole to help with drainage.
4. Connect the fixture wires to landscape wires coming from the Class 2 power supply using the outdoor rated direct burial wire nuts provided
5. Place the fixture in the hole and repack the soil to hold it in place. Make sure the trim is flush with the ground.

**Fig.1**



To Next Fixture

For model # 1011/1021/1051

$A^* = \varnothing 1$  in.

For model # 2011/2021/2051/2091/2101

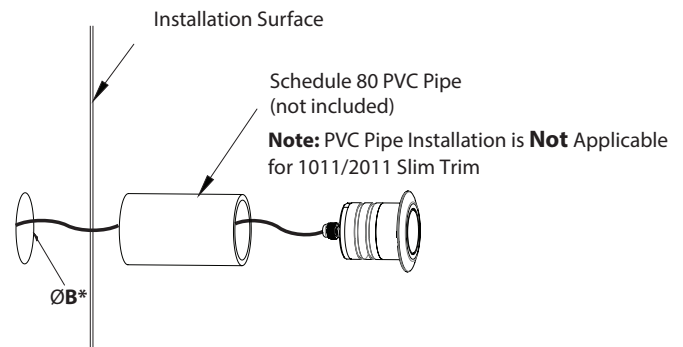
$A^* = \varnothing 2$  in.

### HARDSCAPE INSTALLATION

*\*Note: Power supply is required to power the fixture.(sold separately)*

1. Turn the main power off.
2. Prepare a hole large enough ( $B^*$  diameter) to fit a schedule 80 pipe (not included). (**Fig.2**)
3. Install the pipe into the hole
4. Connect the fixture wires to low voltage wires coming from the Class 2 power supply using the outdoor rated direct burial wire nuts provided.
5. Smear some plumbers' silicone (not included) on the O-rings of the fixtures to help keep moisture out.
6. Insert the fixture into the pipe, making sure the trim is flush with the mounting surface.

**Fig.2**



For model # 1021/1051

$B^* = \varnothing 1.315$  in.

For model # 2021/2051/2091/2101

$B^* = \varnothing 2.375$  in.

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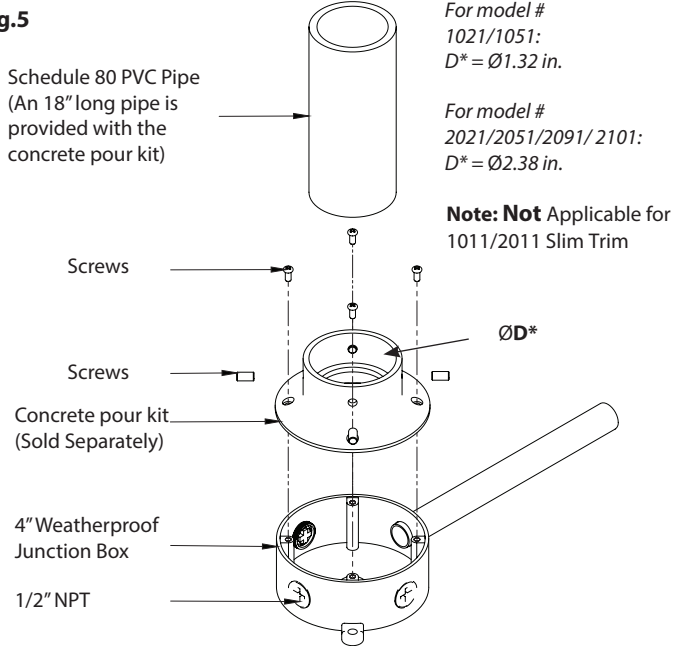
### CONCRETE POUR INSTALLATION

*\*Note: Power supply is required to power the fixture. (sold separately)*

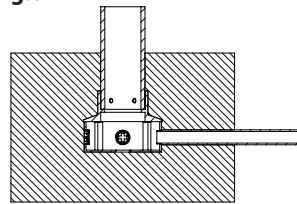
1. Turn the main power off.
2. Install wiring and conduit (use ½" NPT) at desired position, plug all un-used holes. Refer to applicable wiring diagram. **(Fig.5)**
3. Secure 4" weatherproof junction box to the ground, preferably over a layer of sand or pea gravel for drainage.
4. Cut Schedule 80 PVC Pipe in excess length for planned concrete thickness.  
(An 18" long pipe is supplied with concrete pour kit)  
*\*Make sure the cut end is put into the concrete pour kit*
5. Insert the PVC pipe into the mounting flange and lock it with screws
6. Secure concrete pour kit onto the 4" junction box.
7. Pour desired amount of concrete, making sure **NO CONCRETE ENTERS THE BOX. (Fig.6)**
8. After the concrete has cured, cut off excess PVC pipe protruding from the ground. **(Fig.7)**
9. Connect fixture wires to box wires using the outdoor rated direct burial wire nuts. **(Fig.8)**
10. Smear plumbers' silicone (not included) to O-rings.
11. Insert LED Fixture into flange with a twisting motion. Make sure the trim is flush with the top of the poured concrete.
12. To remove fixture, use a small flat head screwdriver and pry it from the flange. **(Fig.9)**

**Fig.5**

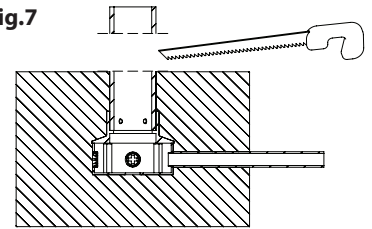
Schedule 80 PVC Pipe  
(An 18" long pipe is provided with the concrete pour kit)



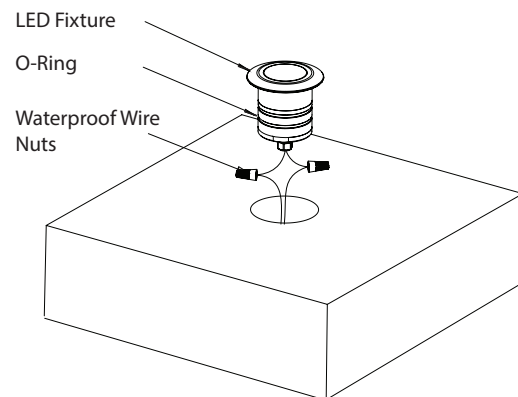
**Fig.6**



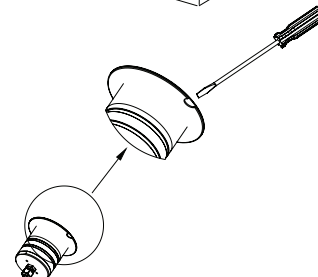
**Fig.7**



**Fig.8**



**Fig.9**



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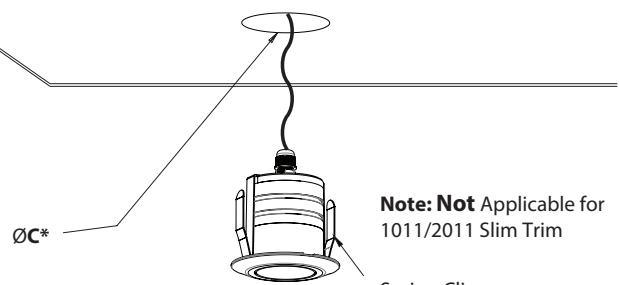
## Indicator Lights

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*\*Note: Power supply is required to power the fixture.(sold separately)*

- Fig.3**



**Note: Not** Applicable for  
1011/2011 Slim Trim

Spring Clip  
(Model: **1000-CLIP-SS**)  
(Model: **2000-CLIP-SS**)

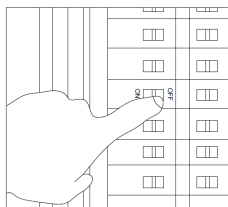
For model # 1021/1051

$$C^* = \varnothing 1.375 \text{ in.}$$

For model # 2021/2051/2091/2101

$$C^* = \varnothing 2.25 \text{ in.}$$

1. Turn Power off at circuit breaker



2. Loosen two cover screws and remove the cover, secure power supply to suitable mounting surface using screws.
3. Connect electrical power feed wires

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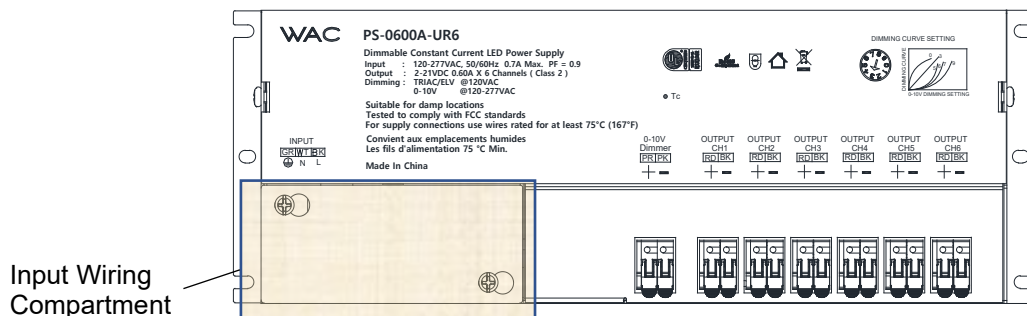
## 6 CHs ~ 600mA, 2-21VDC, 75.6W Remote Power Supply

PS-0600A-UR6

WAC

- The power supply box has a separate line voltage wiring compartment with trade size knock out. Remove appropriate power feed knockout in the power supply box and connect building wires to the same color power supply wires with wire nuts or UL certified electrical connector.
- Enclosed remote power supply must be installed away from any heat sources, and it must be accessible for service.
- Enclosed remote power supply is UL listed.

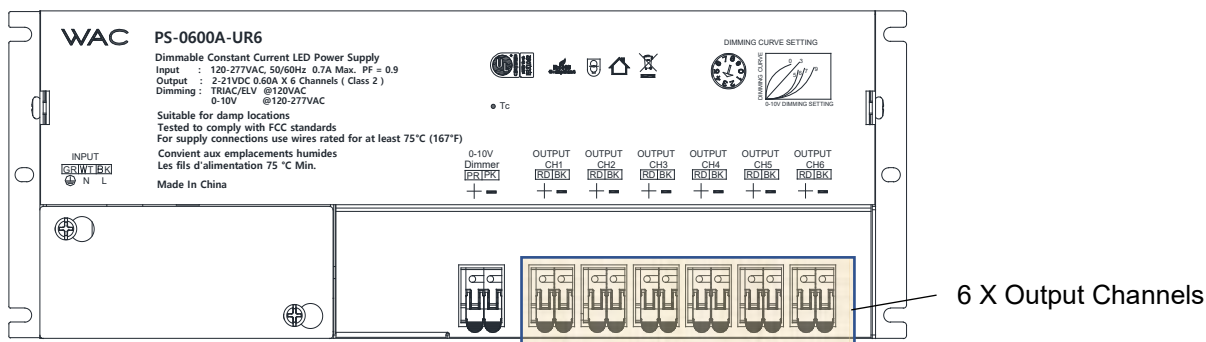
### Input Wiring Compartment



Power Supply Input Wire Colors	Building Electrical Wiring
BLACK	Line
WHITE	Neutral
GREEN	Ground

### Output Wiring Terminals

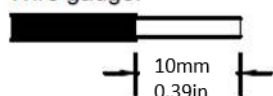
- Connect compatible fixture (s) to output wires of power supply using time saving terminate conductors from 22-12 AWG of solid, stranded, and fine-stranded conductors by lift lever to open clamping unit, insert stripped conductor and lower the level to close the clamping unit.



Power Supply Output Terminal Colors	Electrical Wiring to light fixture
RED	+ (Positive)
BLACK	- (Negative)

- Recommended conductor stripped length for lever connector is shown below:

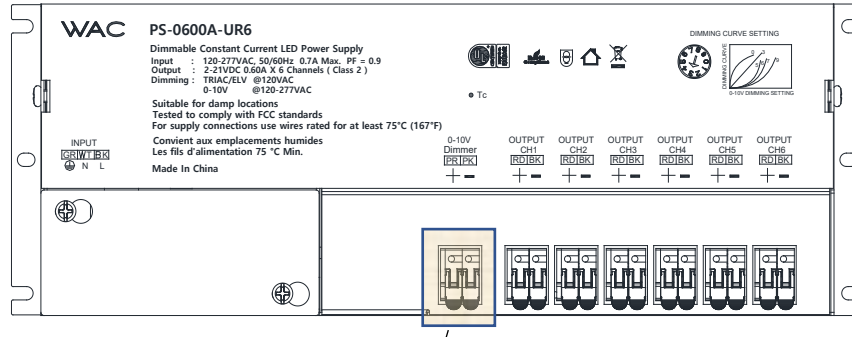
Wire gauge: 22-12 AWG



## CONTROLS

Power supply allows output current adjustment through either 0-10V low voltage control or phase cut voltage (TRIAC/ELV)

### Option A: 0-10V Low Voltage

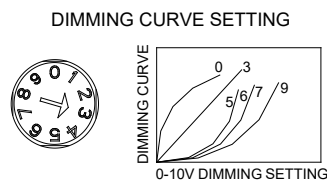


0-10V Input Terminal

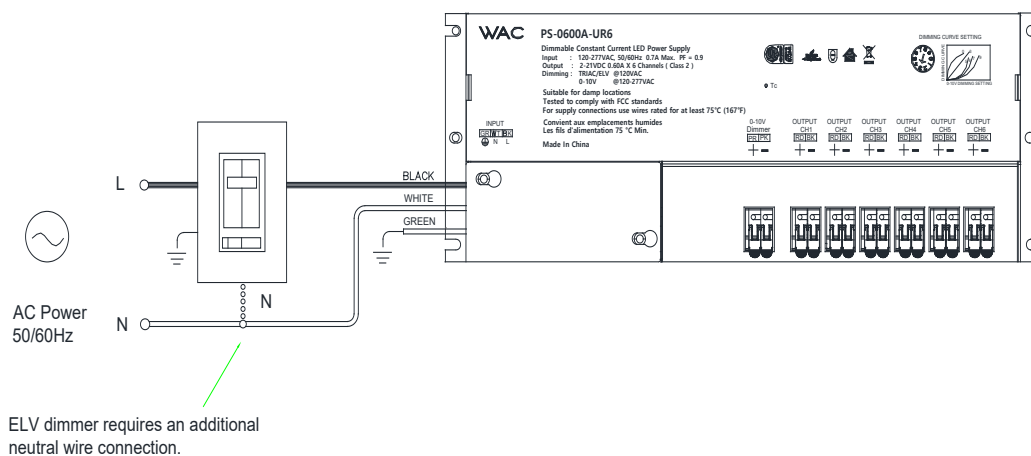
Power Supply 0-10V Input Terminal Color	Electrical Wiring to/from 0-10V Controller
Purple (PR)	+ (Positive)
Pink (PK)	- (Negative)

### Dimming Curve Adjustment

This dimming curve adjustment feature only offers with 0-10V dimming control. Simply rotates an arrow on a dial using a flat tip screw head from 0 to 9, dimming curve will change from negative exponential (0-2) to linear (3) and positive exponential dimming curve (4-9)



### Option B: Input phase cut voltage (ELV/TRIAC)



\*Note: No dimming curve adjustment function for Phase Cut dimming.

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## 6 CHs ~ 600mA, 2-21VDC, 75.6W Remote Power Supply

PS-0600A-UR6

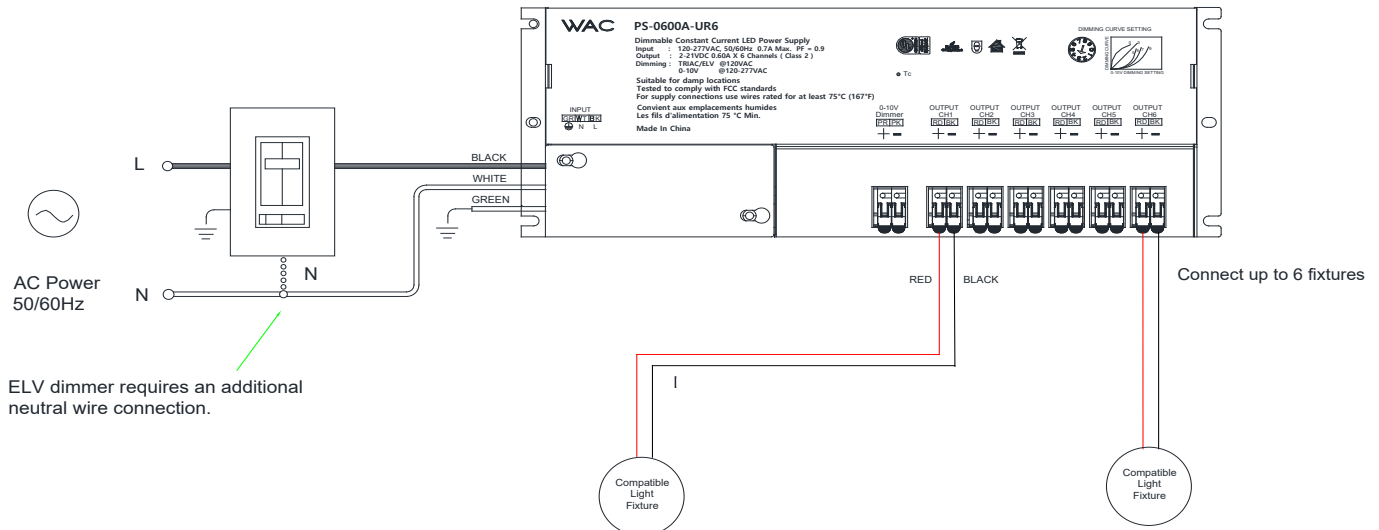
WAC

### SYSTEM DIAGRAM:

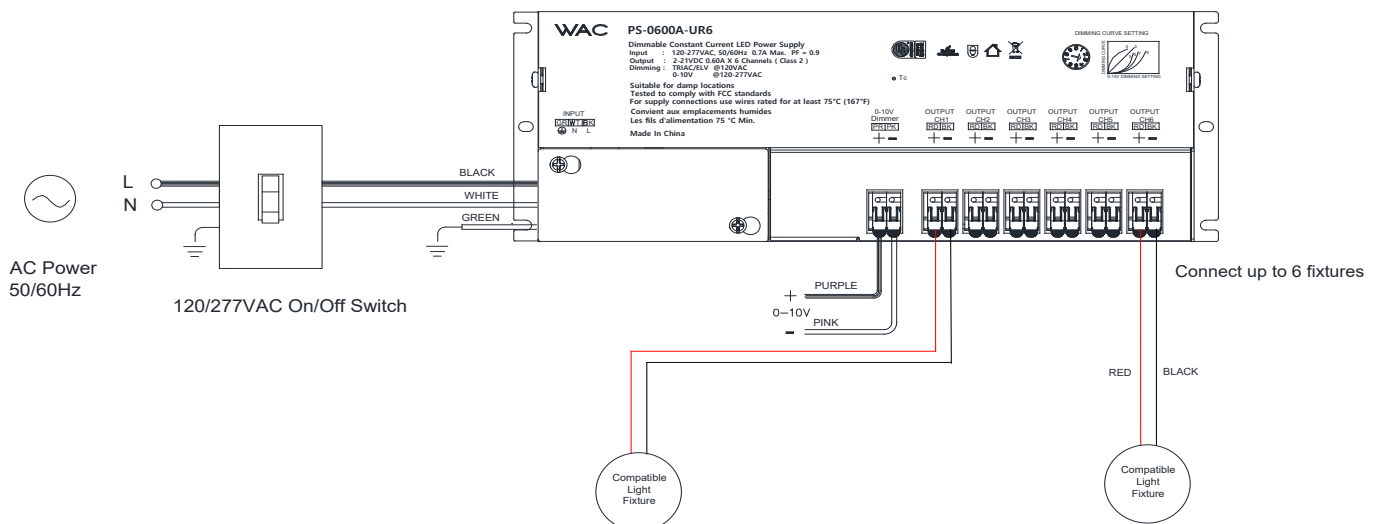
Recommended maximum distance between power supply to compatible light fixture is shown in below table:

600mA	18 AWG	16 AWG	14 AWG	12 AWG
Max Run Length between power supply to light fixture	100 ft	150 ft	200 ft	250 ft

### TRIAC/ELV Dimmer



### 0-10V Dimmer



\*Note: Longer distance than 100ft between power supply to light fixture requires larger conductor wire than 18 AWG to lower voltage drop across the wire. Excessive voltage drop on conductor wires may lead to an inoperative of power supply.