

12-Volt LED Lightscaper® Series Installation Instruction Guide



The 12-volt LED Lightscaper series is simple to install and a Philips screw driver maybe the only tool you need. Fixtures have LED light sources installed and there is no need to worry about lamps burning out, correct lamp replacements or how to re-lamp. Fixtures and transformer carry a three year limited warranty from date of shipment from the factory. 12-volt LED Lightscaper fixtures provide lighting for beauty, identification and security. A Lightscaper system will increase the value of your home or business location as well as increase the security by eliminating dark spaces were vandals can hide.

Please note these standard warnings:

1. Do not plug-in transformer until the CB cable and light fixtures are installed. Also disconnect the transformer power before any service to the product.
2. Risk of electrical shock. Do not install light fixtures within 10 feet of pool, spa or fountain.
3. Warning risk of electrical shock, install power unit 5 feet or more from a pool, spa or fountain, connect power unit to a receptacle protected by GFCI protected cover plate receptacle marked "Wet location while in use."
4. Install, operate and maintain system to meet all applicable codes.
5. Operate only 12-volt fixtures on this system.
6. Do not attempt to service, adjust or replace any part of the LED light sources.
7. Always do final aiming and fixture spacing at night for best lighting affect
8. This product contains chemicals known in the state of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning or otherwise touching this product.

First: Select your LVT56 transformer location. Insure total fixture wattage does not exceed 45 watts. Location must be within 30 inches of 120-volt un-switched GFCI protected outlet. **Do not plug transformer in at this point.** See the two mounting hanger locations on the back of the LVT56. Mounting screw spacing is 2 5/8" on center. Firmly seat mounting screws to the surface. Take one end of your CB cable and strip ends 3/8" and separate the leads 1/2". Push both leads up into the cable connection point on the bottom and secure by tightening the set screws on the front. Hang the transformer on the mounting screws. Locate a photocontrol mounting position within 40" of transformer and where natural daylight is available. Be careful to aim away from any artificial light source.

Set Transformer Mode:

LVT56 has several operation choices. OFF – turns off lighting. On – Lights will burn regardless of time. Dusk To Dawn – Uses the photocontrol to turn lights on at dusk and off at dawn. Timer Hours – Use if you desire to turn lighting off during the night. Set to the number of "ON" hours you wish. The photocontrol will turn the lighting on when it gets dark and then they will burn the number of hours set. Example: If set for five hours and it gets dark at 7PM, lighting will turn off at 12PM. Off time will vary based on when darkness occurs.

With Hubbell Lighting 12-volt LED systems, energy consumption is so low the Dusk To Dawn setting is recommended unless local or home owner association codes will not allow. Creating a security barrier of tasteful lighting helps local police, neighborhood watches and you protect your property.

Second: **CB75 / CB150** – lay your 12-volt main cable along the path where your light fixtures will be mounted. Hubbell Lightscaper fixtures come with 4 feet of fixture cable to reach back to a central path to allow you greater run distance. Cable is available in 75' and 150' lengths.



Third: Locate Lightscaper fixtures and connect each to the main CB cable. The "Smart Connect" system makes it easy. Place the plastic insert with curved side down over the main CB cable. While holding these together slip the plastic insert down the connector guides until the connector stainless steel stabs make contact with the CB cable. Tighten the cap, taking care to properly thread, until the cable is compressed on the stabs. The plastic insert centers the cable for proper connection. **No tools are required!** If cable other than #14 is used care must be taken to align cable with stabs. By inverting the plastic insert #12 cable can be used.



Projection fixtures: Use to flood or accent building facades, columns, trees, address numbers, etc. RE-PT and FL-AB units are three watt LED.



Recessed Uplight (RE-PT)

Remove from carton, select mounting location, remove dirt, mulch or deck material so fixture is well seated and will maintain the aiming position you select. Fixture lip should remain above grade. Simply run the fixture cable and connector (included) to the main 12-volt CB cable and connect. Pewter finish, die cast aluminum construction.



Floodlight (FL-AB)

Remove from carton, select spike or deck mount and attach with wing-nut. Place fixture in desired location (if flat surface mount secure with screws for firm mount) and adjust aiming. Tighten the wing-nut to lock angle. Antique bronze finish, protects die cast aluminum construction.

Post or Wall Mount fixture: Use for accenting decks, steps with wide rails, corridors or entries.



Eyelid (EL-AB / EL-PT)

Remove from carton. Remove two cover screws, cover and lens and align at desired mounting location. Two mounting screws are provided for typical mounting. Securely mount taking care not to damage the LED light source and replace lens and cover. Fixture has six-foot fixture cable to provide greater distance from main cable. Attach with connector. Antique bronze or green finishes available.

Path / Walkway Fixtures: Use to illuminate walkways, paths, steps, perimeter areas and planting beds.



Tulip
(TL-AB / TL-AG)



Cone
(CO-AB / CO-AG)



Greenville
(GN-AB / GN-PT)



Saturn
(SA-AB / SA-PT)



Reidville
(RD-AB / RD-PT)



Mission
(MS-AB/MS-AG)

Carefully remove from carton protecting head assembly. Connect staff to head by carefully threading or slipping the staff in place. Select spike or deck adapter mounting. If deck-mount for flat surface, secure the adapter to surface and then insert fixture staff. Tighten set screw. If spike mount, insert staff and tighten set screw. When locating the spike fixture, press into dirt or mulch while holding the spike. To not push from head or staff as damage can occur. Attach connector to main CB cable.



Seashell Adjustable Fixture (SS-AB / SS-AG)

Versatile path light with adjustment of the head from full cutoff (horizontal) to 45 degree up-tilt for flood affect. Use on path or walkway to illuminate taller flowers or large flower beds. You decide!

Carefully remove from carton protecting head assembly. Slip staff into head fitter. Tighten knuckle screw to prevent movement while mounting. Select spike or deck mount. Tighten set screw on adapter and mount as desired. Loosen the knuckle screw and adjust tilt as needed. Re-tighten screw. Use connector to attach to main CB cable.

Thank you for purchasing Hubbell Outdoor Lighting. We hope you will have many hours of enjoyment from your 12-Volt LED Lightscape® landscape fixtures. The LVT56 transformer will allow you to select additional fixtures to expand your accent lighting as desired. (Do not exceed 45 watts of fixture load per transformer)