



TWO HILLS STUDIO, INC.

Fine Lighting &

Decorative Metal Work

2706 S. LAMAR BLVD.

AUSTIN, TEXAS 78704

800.239.5530 512.707.7571

FAX 512.707.7524

www.twohillstudio.com

OPERATING & MAINTENANCE INSTRUCTIONS

ELECTRICIAN NOTE: PLEASE READ BEFORE INSTALLING FIXTURES AND FORWARD THESE INSTRUCTIONS TO THE OWNER/USER OR MAINTENANCE STAFF FOR THEIR RECORDS

Because of the wide variety of fixture designs and options available, not all of these items may apply to your order.

INSTALLATION

Installation is to be done by a qualified electrician in accordance with all applicable electric codes. Refer to the Installation Instructions sheet packed with the fixture. Because of the custom nature of our business, some slight differences may occur between the actual fixture and the printed instructions. If this is a custom order, you may also need to refer to the custom shop drawing that we prepared. If your Installation Instructions have been misplaced or if you have further questions, please contact us for clarification before attempting the installation.

U.L. LABELING

Except in some special situations, all of our fixtures bear fixture labeling for Underwriters Laboratories for either dry, damp or wet locations. Do not attempt to install fixtures in locations that do not adhere to this labeling. Dry locations are for interior fixtures. Damp locations are for exterior situations where the fixture is not exposed directly to blowing rain or snow. Wet locations are for direct exposure to rain or snow.

SUPPORT BLOCKING

Typically our larger and heavier hanging lanterns and chandeliers require solid wood blocking above the ceiling for a safe and proper installation. This includes blocking to support the electrical junction box as well as blocking surrounding the junction box for attachment of larger canopies. Refer to the installation instructions or custom shop drawings for this important information. Contact us before installation if you are unsure about the blocking requirements.

ROUTINE MAINTENANCE

Fixture Body – To avoid risk of fire, check the fixture on a regular basis to avoid build-up of bird and insect nests. This is especially important for exterior fixtures. In extreme cases of exposure the inside of the lamp socket may need to be cleaned of insect debris to maintain contact between the lamp and socket and to avoid an electrical short or fire hazard. This can be accomplished by using a hand-held can of compressed air such as that used to clean computers or office equipment. Turn off the power to the fixture, remove the lamp(s) and blow the debris clear. Do not spray the fixture with insect spray as it could damage the metal finish and could result in electrical shock or fire if it comes in contact with live electrical parts. Do not spray the fixture with a water hose.

Fixture Glass – Decorative glass lenses on any type of fixture and clear glass tops on wall sconces and lanterns may be cleaned with any mild glass cleaner. After turning off the power to the fixture, apply glass cleaner to a clean, soft cloth and apply directly to the glass surface by hand. Do not spray the fixture with the glass cleaner as it could damage the metal finish and could result in electrical shock or fire if it comes in contact with live electrical parts. Do not spray the fixture with a water hose.

METAL FINISHES

We offer a large number of metal finishes on our copper, brass, pewter and tin and your order may even have a combination of these on a single fixture. It is important to understand that our finishes are hand applied and are not a painted finish. While we endeavor to make these as consistent as possible, our sample kits state that the actual finish may vary from that shown. Because of the many variable factors involved, some variations may occur and we can not guarantee an exact match. All finishes are coated with a clear sealer and should not require any maintenance other than occasional dusting if desired. Do not spray the fixture with any type of cleaner as it could damage the metal finish and could result in electrical shock or fire if it comes in contact with live electrical parts.

For exterior fixtures, the clear sealer is intended only as a protection barrier during handling and installation. Since it is exposed to the elements, the sealer will eventually wear off and the metal finish may darken, dull or mottle depending on its exposure to weather. Especially with copper and brass, this is the nature of the material as it seeks to create its own rich patina.

LAMPING

Labeling - Lamps (bulbs) are not provided with our fixtures. Each fixture is labeled with the maximum wattage allowed. In some cases the exact type of lamp is specified such as A-19, A-15, candelabra-base, minican-base, etc. Do not attempt to use any type of lamp that is not recommended and do not exceed the maximum wattage. Failure to do so may result in a risk of fire.

Incandescent Lamping - One of our trademarks is the dramatic light patterns that our fixtures provide. For incandescent fixtures, we strongly recommend the use of clear lamps (not frosted) for the best results. For longest lamp life, we recommend using lamps rated at 130 volt which are often advertised to provide approximately 5000 hours of life. There are also lamp manufacturers such as *Litetronics International, Inc.* (708-389-8000) (www.litetronics.com) who make lamps that are advertised for an approximate life of 20,000 hours. It is our experience that these long-life lamps provide slightly less lumen output (brightness) than other lamps of the same wattage and their life may depend upon the consistency of the voltage provided by your power supplier (some inconsistencies and voltage spikes are often common and may reduce the life of the lamp).

Self-Ballasted, Compact Fluorescent Lamping - Self-ballasted, compact fluorescent lamps can also be used in our fixtures that are wired with medium-base, incandescent sockets. We recommend using lamps with a correlated color temperature of 2700K for best results. Please note that, while very efficient, these types of lamps do not produce the sparkle or crisp light patterns in our fixtures with hand-punched holes or open notches on the sides.

Compact Fluorescent Lamping - For fixtures ordered for compact fluorescent lamping, we use only electronic ballasts, which require 4-pin lamps with a G24Q base. We strongly urge the use of lamps with end-of-life shutdown protection such as DULUX® EOL lamps by *Osram Sylvania* which safely shut themselves down as they approach the end of their life to avoid overheating problems and extend the life of the ballast. Most compact fluorescent lamps have an advertised life of approximately 10,000 hours. Only use lamps with wattage matching the labeling on the fixture. Note that on fixtures which have two lamps powered by one ballast, both lamps must be operational for either to work. If one lamp fails, the other will not function. We recommend using lamps with a correlated color temperature of 2700K for best results.

WARRANTY

We guarantee our products for a period of one year for parts and workmanship. This does not pertain to damage caused by misuse or improper installation. This warranty begins on the date the fixtures are received or on the date of substantial completion of the project, whichever is latest.