INTRODUCING

HEXLYTE

Hexlyte is a revolutionary idea in illuminating upper tree growth for decorative purposes, while providing the ability for downlight for security and pathway illumination.

ILLUMINATION

Illuminating upper tree growth has been accomplished by using floodlights mounted on the ground or by using a metal structural ring or by tree straps. Floodlights shine up into the upper growth illuminating the branches using round optical beams of light. Structural tree rings are large circular steel rings where floodlights are attached and shine upward. In cases floodlights are attached to these same rings and shine down to provide illumination below. Often these floodlights require periodic adjustments as they get knocked out of alignment from falling branches, storms, or animals. In some cases, these alignment issues are due to tree growth. These floodlights are heavy and require many hours to wire in place causing excessive cost to each tree.

Hexlyte integrates the illumination source into a single piece, high strength, extruded aluminum housing. The distribution of this illumination source, using the latest LED technology, allows for the physical size to be much smaller than traditional tree rings.

The Hexlyte is made up of six (6) individual sections. Each section has a divided upper and lower illuminated optical chamber. **Hexlyte allows for the lighting designer to choose how many and which sections to be illuminated. I**n both the upper and lower sections, the designer can select to use only one (1) section, two (2) sections, Three (3) sections or any combination up to six (6) up and six (6) down. Each section is approximately 815 lumens up, as well as down. The system has a variety of spread optics to easily illuminate narrow or wide canopies and it does not have to be aimed or re-adjusted over time.

Hexlyte offers many additional features never before seen. A designer could use three (3) sections with adequate up lighting for normal nights and three (3) sections using RGB for color changing during special seasons or events. (Note: Turtle-Friendly Amber LEDs are available.)

DESIGN

The rounded, high impact resistant lens used in the upward chambers is self-cleaning and keeps rain water, ice, or snow from collecting. The flat lens used in the lower chamber helps hide the brightness of the illumination source from viewers. Four (4) sizes are offered as standard, but custom sizing is available. Much lighter in overall weight, the **Hexlyte is easier and quicker to install reducing overall cost.** Overall cost reduction in some cases has been reduced to half that of a standard tree ring.

Hexlyte is fully controllable with Teslyte's private App. This App allows the user to set on/off times and even the option to dim further in late hours for energy efficiency. It allows the user to control the brightness to desired levels after the install and in changing environmental conditions.

INSTALLATION

Measure the tree trunk at the desired location and select the proper size ring. Larger rings may be selected if desired. Consult factory for longer stem lengths if necessary. The connection corner is designed to disconnect and open the ring to allow Hexlyte to be positioned around the tree at the desired point. Hexlyte is brought back together and reconnected at the connection corner.

Installer makes final adjustment to the stems by hand tightening securely to the tree. Hexlyte is pre-wired at the factory. The attached pre-wired 4' long cable is then connected to a weather-proof junction box (by others) close to Hexlyte. A weather-tight cord or cable (by others), approved by local codes, is run down the tree to the provided driver box.

Driver box is either located at base of tree or in-grade as selected by end user. Installer connects wires inside driver box per instructions and provides line voltage power 120/277 volt per local codes. Installer follows instructions as to setting up the App driven control system. Over the course of time, it may be necessary to re-adjust the stems and/or the length of cable run as tree grows.