The Equalizer™ HUB Wiring System is the ultimate In-Line fuse protected wiring system. Allowing you to size the fuse according to load or wire size, thus making troubleshooting accessible, convenient and fast. You wouldn’t purchase a home or an automobile without fuse protection... An outdoor lighting system warrants the same respect!
25 Fixture System Example

Unique Lighting Systems® fixtures come standard with a 25' wire lead.

Advantages
- 18/2 - 25' wire lead on each fixture
- Secondary fuse for protection included at the HUB
- Only need to check voltage at the hub vs. every fixture
- One point of connection per home run
- Connections protected in direct burial enclosure
- Equal voltage to every lamp

Take It To The Next Level!
The Intelli-HUB Method

Fuse HUBs to Load Size

<table>
<thead>
<tr>
<th>HUB</th>
<th>WATTS</th>
<th>FUSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intelli-HUB</td>
<td>127.2W</td>
<td>15 Amp</td>
</tr>
<tr>
<td>SAT HUB 1</td>
<td>27.6W</td>
<td>4 Amp</td>
</tr>
<tr>
<td>SAT HUB 2</td>
<td>27.6W</td>
<td>4 Amp</td>
</tr>
<tr>
<td>SAT HUB 3</td>
<td>18.75W</td>
<td>2 Amp</td>
</tr>
</tbody>
</table>

Load is determined by adding the appropriate draw from all connected fixtures.

The "T" Method
- 34 CONNECTIONS
- NOT FUSED
- MORE TIME
- PRONE TO FAILURE

The Daisy Chain Method
- 50 CONNECTIONS
- NOT FUSED
- MORE TIME
- PRONE TO FAILURE

The Loop Method
- 50 CONNECTIONS
- NOT FUSED
- MORE TIME
- PRONE TO FAILURE
5 Fixture Example

See The Difference!

Advantages
- Secondary fuse for protection included at the HUB
- Only need to check voltage at the hub vs. every fixture
- One point of connection per home run
- Connections protected in direct burial enclosure
- Equal voltage to every lamp

Disadvantages
- Difficult to troubleshoot
- Short wire lead does not allow for final adjustment of lighting portrait
- Does not equalize voltage to all lamps on the run
- You **MUST** match the polarity or you can cause bodily harm or damage to the circuit
- Wastes a lot of wire completing the loop

The Daisy Chain Method

Disadvantages
- Difficult to troubleshoot
- Short wire lead does not allow for final adjustment of lighting portrait
- Does not equalize voltage to all lamps on the run

The Loop Method

Disadvantages
- Difficult to troubleshoot
- Short wire lead does not allow for final adjustment of lighting portrait
- Does not equalize voltage to all lamps on the run

The “T” Method

Disadvantages
- Difficult to troubleshoot
- Short wire lead does not allow for final adjustment of lighting portrait
- Does not equalize voltage to all lamps on the run

Unique Lighting Systems® fixtures come standard with a 25’ wire lead.

Secondary fuse for protection included at the HUB

Only need to check voltage at the hub vs. every fixture

One point of connection per home run

Connections protected in direct burial enclosure

Equal voltage to every lamp

6 CONNECTIONS + NOT FUSED + MORE TIME = PRONE TO FAILURE

10 CONNECTIONS + NOT FUSED + MORE TIME = PRONE TO FAILURE

10 CONNECTIONS + NOT FUSED + MORE TIME = PRONE TO FAILURE

3 CONNECTIONS
EASY TROUBLESHOOTING
SAVES TIME
FUSED TO LOAD

10 CONNECTIONS

10 CONNECTIONS

10 CONNECTIONS

3 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS

6 CONNECTIONS
**Intelli-HUB Wiring Method Design**

Shown here is an actual Intelli-HUB wiring design. As you can see, the Intelli-HUB wiring method not only reduces the number of connections in the field, it is the safest way to install low voltage lighting. By fusing HUBs in the field, total system failures are greatly reduced. Allowing you to enjoy your system for years without worry of a short or a redesign years down the road. A few advantages of the HUB wiring method:

- Utilizing the same home run, you can branch off from the larger Intelli-HUB to secondary HUBs known as Satellite HUBs
- All HUB/fixture connections are fused to the load for safety
- All connections are in easy to find locations
  - Fused for **SAFETY**
  - Easy to check voltage
  - Easily trouble shoot