**DEKOR® DockDot™ Installation Instructions**

### Tools Needed

- Drill Motor
- 3/8" Drill Bit (0.95 cm)
- 1" Forstner Bit (2.54 cm)
- Caulking Gun
- Rubber Mallet

### General Information

- ALWAYS check local codes before beginning your project.
- USE DEKOR® TRANSFORMERS ONLY. Using any other type of transformer voids the warranty.

<table>
<thead>
<tr>
<th>TRANSFORMER CAPACITY BY TYPE</th>
<th>EZ Transformer 36W Transformer</th>
<th>EZ Max Transformer 60W Transformer</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOCK Dot™</td>
<td>30</td>
<td>50</td>
</tr>
<tr>
<td>DOCK Dot™ NexGen</td>
<td>24</td>
<td>40</td>
</tr>
</tbody>
</table>

The list above is for maximum number of each individual types of lights. Reference the transformer calculator at [DEKORLIGHTING.com](http://DEKORLIGHTING.com).

### Helpful Tips

- Follow the appropriate building and electrical codes when installing all DEKOR® lighting products.
- Leave wire slack to make fixture terminations.
- DockDot™ LEDs work best when spaced 4' (1.22m) to 6' (1.83m) on center around perimeter of dock.
- It is recommended to determine placement of lighting under dark conditions prior to drilling/installation.
- Carefully drill holes perpendicular to surface to avoid producing an enlarged hole. DockDot™ will have a loose fit if hole is enlarged. **NOTE:** Silicone caulk will be required to anchor light in place in over-drilled recessed light holes.
- Unused connections need to be capped. Use a small dab of dielectric grease and a provided cap to seal the last open connector to prevent corrosion or water damage.
- DO NOT use more than one transformer on each circuit.
- To ensure all components are in working condition it is recommended to have power source attached when installing lights.

### Planning

**NOTE:** Prior to installing, plan locations of lights, power supply, timer, and dimmer. These need to be accessible for service. It is required to install a GFI to help prevent damage to lights caused by electrical surges.

1. Plug Timer in a GFCI outlet located in a dry area.
2. You must install timer vertically with receptacle facing down. Timer and transformer must be installed as per local/state and federal water safety code height regulations. To use the dusk/dawn feature the timer must be in view of the sun.

**NOTE:** When connecting male Plug-N-Play connector to Female Plug-N-Play connectors on DockDot™ lights, be sure to add a drop of dielectric grease (provided) into connector. Plug-N-Play connectors are waterproof, but due to extreme exposure to water use of dielectric grease is mandatory at all connections.

### CAUTION:

When making a connection between a Plug-N-Play connector or a splitter; observe the polarity key to make the proper connection. The male and female connectors have a flat side that **MUST MATCH UP. DO NOT** force the connectors together. Plug-N-Play connectors are waterproof, but if there is constant exposure to water use of dielectric grease is mandatory at all connections. Dielectric grease should be added prior to connection.

**Polarity Key**

NOTE: Construction methods are constantly changing. For the most up-to-date installation instructions visit: [www.DEKORLIGHTING.com](http://www.DEKORLIGHTING.com)

Have Questions? Call 1-800-258-0344

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Photocell/Timer Operation Instructions

1. Select the mode of operation:
   - Dusk to Dawn
   - 2 - 10 hours
   - Always “On”
   - “Off”
Program repeats daily. When power is flowing to lights, green light above POWER is on.

Installing Wiring

**NOTE:** It is best to install wiring before railing and decking have been installed.

- Run Male-to-Male connection wire (lengths vary) up through pre drilled holes.

1. Run wiring under decking structure and behind stringers.

   **DO NOT** run wires in water or between joists and deck boards. Use enclosed cable staples to attach cables to dock frame.

   **DO NOT** crush wire insulation with staple.

DockDot™ Starboard and Port Light Kit Available

- Red
- Green

Affix a red and green light at the end of your dock to help you steer your boat to the correct side at night. Avoid leaving your dock end unilluminated.

**Installing DockDot™ Recessed Lights**

**NOTE:** Install DockDot™ recessed lights after installing decking.

1. Mark location for DockDot™ lights on deck boards.

   **NOTE:** Avoid locations over joists when possible because it will be more difficult to drill holes.

2. Use the Forstner bit and drill a 1” (2.54 cm) dia. hole, 11/16” (1.75 cm) deep into board.
   **Make sure hole does not go all the way through deck board or light will fall through.**
   Drill a 3/8” (0.95 cm) diameter hole in base of the first hole through deck board to run Plug N Play wire.

3. Thread wires through hole. **DO NOT** pull DockDot™ into hole by pulling on wires. This may damage Dock Dot™.

4. Remember to add a small amount of silicone adhesive around the dot to insure proper seal and adhesion.

5. Press DockDot™ into hole until flush with surface.
   **Make connections under deck. Male lead wire from light into female connection on the next light.**

**REMEMBER:** Use dielectric grease on all connections and do not leave an unused connection open. Use EZ Plug and dielectric grease to terminate open ends.

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