

## LAMPLIGHTER™ 1

Thank you for purchasing the Lamplighter™ 1. If you purchased the optional 110V adapter, plug it into a 110V outlet and insert the barrel jack connector into the power port on the Lamplighter™ 1. If you did not purchase the optional power supply, connect one wire to each of the two screw terminals on the power jack. Then, connect these wires to your existing AC or DC accessory power bus. Insert the barrel jack into the power port on the Lamplighter™ 1. Polarity is not a concern. Please ensure the accessory voltage is above 9 volts.

The typical fiber diameters for lighting the interior of a building in HO and O scales are 1.0 mm and 1.5 mm, while N scale typically uses 0.75 mm and 1.0 mm. Dwarvin Street Lamps come pre-assembled with a fiber. Other fiber diameters you may find useful include 0.5 mm, 0.75 mm, and 1.0 mm. The suitable size depends on the application, such as lighting cars, trees, etc.

### Instructions for use:

- To optimally illuminate a fiber, insert it through the bushing in the box until it reaches a stop, approximately 3 inches (8 cm) from the face of the bushing.
- If only a few fibers are used, they can be easily inserted. See the “Tips” page for additional advice on getting started.
- If a larger number of fiber cables are used, such that they nearly fill the diameter of the bushing, it is recommended to open the fronds of the bushing before inserting the fiber cables. This can be done using the blunt end of a standard pencil.

**WARNING:** Do not insert the pencil more than 1 inch (2.5 cm) to avoid damaging the internal optics

**WARNING: DO NOT** look directly at the light through the bushing in the Lamplighter™ 1 unit while it is on, as it may cause eye damage. The unit is powered by a state-of-the-art LED and is extremely bright.

Only your imagination limits the lighting effects you can achieve with the Lamplighter™ 1. We wish you hours of enjoyment using Lighting without Wiring®.

For helpful tips and instructional videos, visit our website: [www.Dwarvin.com](http://www.Dwarvin.com)

**Appreciation:** If you enjoy our product, please like us on [Facebook: DwarvinEnt/](https://www.facebook.com/DwarvinEnt/)

**Concerns or questions?** Please contact us at:

- **Email:** [customerservice@trainz.com](mailto:customerservice@trainz.com)
- **Phone:** 866-285-5840

Thank you, **Dwarvin – Lighting without Wiring® – by Trainz.com**

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