

SECTION 26 55 00

Special Purpose Lighting – TREX[®] RainEscape[®] Soffit Lights

TREX[®] RainEscape[®] products are manufactured and sold by IBP, LLC under a Trademark License Agreement with Trex Company, Inc. RainEscape[®] is a federally registered trademark of IBP, LLC.

The unique TREX[®] RainEscape[®] under-deck drainage system keeps rain, spills, and snow melt from dripping through the decking boards above, creating a dry area below.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Under-Deck, Directional LED Soffit Light

1.2 RELATED SECTIONS

- A. Section 06 10 00 – Rough Carpentry
- B. Section 06 11 00 – Wood Framing
- C. Section 26 55 00 – Special Purpose Lighting

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Submit shop drawings including details of construction and relationship with adjacent construction.
- D. Verification Samples: For each finish product specified, two samples, representing actual product and color.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Experienced in installation of specified material type with working knowledge of specified products and Project specific application requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Material should be left in its original packaging until use.
- B. Store indoors, between 40 – 100 degrees F.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 WARRANTY

- A. Limited Warranty:
 - 1. Manufacturer warrants the LED engine for a period of **five years** from the date of purchase when applied according to published directions.
 - 2. Manufacturer warrants the powder coating to be free from defects in material and manufacturing for a period of **ten years** from the date of purchase when applied according to published directions.
 - 3. Specific terms for warranties can be found at: <https://trexrainescape.com/warranty/>

PART 2 PRODUCTS

2.1 MANUFACTURES

- A. Contract Documents are based on products supplied by; IBP, LLC, 2965 S Tejon St, Englewood, CO 80110
- B. Substitutions: Not permitted under Division 01

2.2 UNDER-DECK, DIRECTIONAL LED SOFFIT LIGHT

- A. Special Purpose Lighting.
 - 1. Products: TREX® RainEscape® Soffit Light as manufactured by IBP, LLC.
 - a. Material Finish: Powder-Coated Aluminum w/Polycarbonate Lens
 - b. Housing Flange Diameter (metal): 5 7/16 inches
 - c. Light Face Diameter (exposed): 3 3/8 inches
 - d. Ceiling Protrusion at maximum tilt: 7/8 inches
 - e. Ceiling Material Thickness Requirements:
 - 1) Minimum Thickness: 1/8 inch
 - 2) Maximum thickness: 1 inch
 - 3) Required Hole Size: 4 5/8 inches (120 mm)
 - f. Included Cables:
 - 1) 6 inch Female Pigtail attached to light
 - 2) 5 foot male-to-male
 - g. Material Finish: Powder-Coated Aluminum w/Polycarbonate Lens
 - 1) Colors: Black, Bronze, White
 - h. Consumption: 4.25 Watts (350mA@12 VDC)
 - i. Actual Color Temperature (K): 3120
 - j. Lumens: 445 Lumen
 - 2. TREX® Lighting Accessories (Warranty Voided if not Used)
 - a. Transformer (100 watt/8.3 amp): TREXTL100W
 - 1) Light Capacity: 23 soffit lights
 - b. Transformer (30 watt/2.5 amp): TREXLT30W
 - 1) Light Capacity: 7 soffit lights

- c. Remote Dimmer: TREXDIMMER
- d. Light Hub Splitter
 - 1) 3 way splitter: TREX3WAY
 - 2) 6 way splitter: TREX6WAY
- e. Light Hub Male-to-Male Wire
 - 1) 5 foot: TREXL5WIRE
 - 2) 10 foot: TREXL10WIRE
 - 3) 20 foot: TREXL20WIRE
 - 4) 40 foot: TREXL40WIRE
 - 5) 60 foot: TREXL60WIRE
- f. Female-to-Female Adapter: TREXLFFA
- g. Light Hub Transformer Splitter 5 Way: TREXLT5WAY

PART 3 EXECUTION

3.1 Installation

- A. Install according to TREX® RainEscape® soffit light installation guidelines.
<https://trexrainscape.com/wp-content/uploads/2020/06/soffit-light-installation-guide-english.pdf>

END OF SECTION