**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.

1. **GENERAL**
	1. SECTION INCLUDES
		1. Under-Deck, Directional LED Soffit Light
	2. RELATED SECTIONS
		1. Section 06 10 00 – Rough Carpentry
		2. Section 06 11 00 – Wood Framing
		3. Section 26 55 00 – Special Purpose Lighting
	3. SUBMITTALS
		1. Submit under provisions of Section 01300.
		2. 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.
		3. Shop Drawings: Submit shop drawings including details of construction and relationship with adjacent construction.
		4. Verification Samples: For each finish product specified, two samples, representing actual product and color.
	4. QUALTITY ASSURANCE
		1. Installer Qualifications: Experienced in installation of specified material type with working knowledge of specified products and Project specific application requirements.
	5. DELIVERY, STORAGE, AND HANDLING
		1. Material should be left in its original packaging until use.
		2. Store indoors, between 40 – 100 degrees F.
	6. PROJECT CONDITIONS
		1. 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.
	7. WARRANTY
		1. 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/>
2. **PRODUCTS**
	1. MANUFACTURES
		1. Contract Documents are based on products supplied by; IBP, LLC, 2190 West Bates Ave., Englewood, CO 80110
		2. Substitutions: Not permitted under Division 01
	2. UNDER-DECK, DIRECTIONAL LED SOFFIT LIGHT
		1. Special Purpose Lighting.
			1. Products: TREX® RainEscape® Soffit Light as manufactured by IBP, LLC.
				1. Material Finish: Powder-Coated Aluminum w/Polycarbonate Lens
				2. Housing Flange Diameter (metal): 5 7/16 inches
				3. Light Face Diameter (exposed): 3 3/8 inches
				4. Ceiling Protrusion at maximum tilt: 7/8 inches
				5. Ceiling Material Thickness Requirements:

Minimum Thickness: 1/8 inch

Maximum thickness: 1 inch

Required Hole Size: 4 5/8 inches (120 mm)

* + - * 1. Included Cables:

6 inch Female Pigtail attached to light

5 foot male-to-male

* + - * 1. Material Finish: Powder-Coated Aluminum w/Polycarbonate Lens

Colors: Black, Bronze, White

* + - * 1. Consumption: 4.25 Watts (350mA@12 VDC)
				2. Actual Color Temperature (K): 3120
				3. Lumens: 445 Lumen
			1. TREX® Lighting Accessories (Warranty Voided if not Used)
				1. Transformer (100 watt/8.3 amp): TREXTL100W

Light Capacity: 23 soffit lights

* + - * 1. Transformer (30 watt/2.5 amp): TREXLT30W

Light Capacity: 7 soffit lights

* + - * 1. Remote Dimmer: TREXDIMMER
				2. Light Hub Splitter

3 way splitter: TREX3WAY

6 way splitter: TREX6WAY

* + - * 1. Light Hub Male-to-Male Wire

5 foot: TREXL5WIRE

10 foot: TREXL10WIRE

20 foot: TREXL20WIRE

40 foot: TREXL40WIRE

60 foot: TREXL60WIRE

* + - * 1. Female-to-Female Adapter: TREXLFFA
				2. Light Hub Transformer Splitter 5 Way: TREXLT5WAY

1. **EXECUTION**
	1. Installation
		1. Install according to TREX® RainEscape® soffit light installation guidelines.

<https://trexrainescape.com/wp-content/uploads/2021/09/soffit-light-installation-guide-english-sept-2021.pdf>

<https://youtu.be/NuP2Qb7f9Vw>

<https://www.youtube.com/watch?v=NuP2Qb7f9Vw>

**END OF SECTION**