

Trio Pedestrian Lighting blends seamlessly with our Trio family of products. Trio Pedestrian Lighting fixtures are available in both 3000K and 4000K and are sleek in appearance to echo the design themes of the entire line. Lighting fixtures contain high recycled content and are highly recyclable.

**Recycled Content & Certifications**

Configurations	Pre-Consumer Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 <sup>rd</sup> Party Certifications
Trio Pedestrian – 3000K LED	54%	5%	59%	-
Trio Pedestrian – 4000K LED	54%	5%	59%	-

**Green Building Standards**

<p><b>LEED® v3</b></p> <p>SS8: <i>Light Pollution</i> – full light output data is available on Product Data Sheets. Contact for details.</p> <p>EAp2/EA1: <i>Optimize Energy Performance</i> - the low power consumption of the LEDs used in this product reduces energy consumption. LEDs also produce a more uniform, directional form of illumination allowing lower levels of light to meet lighting requirements. Solar-powered options further reduce energy use.</p> <p>MR2: <i>Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p>MR4: <i>Recycled Content</i> – this product contains recycled material. Recycled content is shown above for all standard options.</p> <p>MR5: <i>Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Extraction information unavailable.</p>
<p><b>LEED v4</b></p> <p>SS6: <i>Light Pollution Reduction</i> - full light output data is available on Product Data Sheets. Contact for details.</p> <p>EAp2/EA2: <i>Optimize Energy Performance</i> - the low power consumption of the LEDs used in this product reduces energy consumption. LEDs also produce a more uniform, directional form of illumination allowing lower levels of light to meet lighting requirements. Solar-powered options further reduce energy use.</p> <p>MRp2/MR5: <i>Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p>MR3: <i>Sourcing of Raw Materials (recycled content)</i> – this product contains recycled material. Recycled content is shown above.</p> <p>(<i>regional materials</i>) – this product is manufactured in Pittsburgh, PA. Extraction information unavailable.</p>
<p><b>Green Globes™</b></p> <p>2.6 <i>Exterior Light Pollution</i> - full light output data is available on Product Data Sheets. Contact for details.</p> <p>3.1 <i>Energy Performance</i> - the low power consumption of the LEDs used in this product reduces energy consumption. LEDs also produce a more uniform directional form of illumination allowing lower levels of light to meet lighting requirements. Solar-powered options further reduce energy use.</p> <p>5.4 <i>Sustainable Materials Attributes (recycled content)</i> - this product contains recycled material. Recycled content is shown above.</p> <p>5.6 <i>Waste (Construction Waste)</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p>5.7 <i>Resource Conservation (Design for Deconstruction)</i> – this product can be disassembled to separate recyclable components</p> <p>6.3 <i>Lighting Design and Systems (Lighting Sustainability)</i> – please contact for details.</p>
<p><b>Estidama Pearl Rating System: Design &amp; Construction, Version 1.0</b></p> <p>LBo-10: <i>Light Pollution Reduction</i> – full light output data is available on Product Data Sheets. Contact for details.</p> <p>RE-R1/RE-1: <i>Energy Performance</i> - the low power consumption of the LEDs used in this product reduces energy consumption. LEDs also produce a more uniform,directional form of illumination allowing lower levels of light to meet lighting requirements. Solar-powered options further reduce energy use.</p> <p>RE-6: <i>Renewable Energy</i> - solar-powered options reduce environmental impacts associated with fossil fuel energy use.</p> <p>SM-R1: <i>Hazardous Material Elimination</i> – product contains no ACMs and no CCA-treated timber</p> <p>SM-R2/SM-13: <i>Construction Waste Management</i> - packaging is designed to be reusable or recyclable. See below for details.</p> <p>SM-4: <i>Design for Disassembly</i> - this product can be disassembled to separate recyclable components</p>

**Green Building Standards continued**

SITES v2 Rating System
Materials C5.3: Design for adaptability and disassembly - this product can be disassembled to separate recyclable components
Materials C5.5: Use recycled content materials - this product contains recycled material. Recycled content is shown above for all standard options.
Materials C5.6: Use regional materials - this product is manufactured in Pittsburgh, PA. Extraction information unavailable.
HHWB C6.8: Reduce light pollution - full light output data is available on Product Data Sheets. Contact for details.
Construction C7.5: Divert construction and demolition materials from disposal - packaging is designed to be reusable or recyclable. See below for details.
O+M C8.5: Reduce outdoor energy consumption – the low power consumption of the LEDs used in this product reduces energy consumption. LEDs also produce a more uniform, directional form of illumination allowing lower levels of light to meet lighting requirements. Solar-powered options further reduce energy use.

**Product Materials**

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
Acrylic	Thermoplastic, petroleum-based polymer often used as a substitute for glass because of its high impact strength and clarity.	4	0		x		x	
Aluminum	Corrosion-resistant metal that is suitable for many fabrication methods.	3	3		x		x	
Stainless Steel	Steel that is alloyed with chromium and other metals to improve corrosion-resistance. Formed by rolling or extruding.	3	4		x		x	

\*Maintenance ratings are assigned as follows: 0 – High level of maintenance required to keep up product performance and aesthetics; 5 – Absolutely no maintenance required to keep up product’s visual appearance and performance characteristics;

\*\*Inherent value ratings are assigned based on the material’s scrap value: 0 – No scrap value, or negative scrap value, and/or no scrap market; 5 – High scrap value, accompanied by robust scrap market

**Processes**

Process	Description
Aluminum Making	A two-step process by which the aluminum is first dissolved in a caustic bath and then precipitated out in crystals. This two-step process can be circumvented by using recycled scrap that is melted down to form new parts.
Casting	The process of creating a solid object by pouring molten metal into a mold and allowing it to cool.
Cutting	A variety of methods may be used to cut through various materials.
Machining	A form of subtractive or additive manufacturing often requiring specialty tooling to physically remove or add material to achieve a desired geometry.
Metal Protection	A process in which metal receives a thin layer of coating to improve corrosion resistance and coating adhesion.
Plastics Manufacture	Plastic is the common term for a wide range of synthetic or semi-synthetic organic solid materials used in industrial applications. Plastics are typically polymers of high molecular weight, and may contain other substances to improve performance or reduce costs.
Powdercoating	A solvent-free finishing method in which electrically charged particles of pigmented resins are sprayed onto a product. Electrical grounding of the coated object causes the charged powder to adhere to the surface. When baked in a curing oven the deposited powder melts and fuses together to form a durable, cross-linked coating
Sand Blasting	The process of smoothing, shaping and cleaning a hard surface by forcing solid particles across that surface at high speeds to provide an even finish.
Steel Making	Steel and stainless steel are made in one of two types of furnace: a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). A BOF is used to make steel from iron ore or from scrap steel; an EAF is used primarily to reprocess scrap steel.

Welding	A process that joins two similar metals by causing coalescence. Usually accomplished by melting the work pieces and adding a filler material to form a pool of molten metal that cools to become a strong joint.
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**Packaging Materials**

Material	Type	Description	Disposal
Cardboard	Box	Small or light products are packaged in cardboard boxes. Reused for shipping, then recycled.	Reuse/Recycle
Cardboard	Spacers	Used to provide impact cushioning between a product and its package or between two products.	Reuse/Recycle
Plastic	Shrink wrap	Shrink wrap is used to protect the finish on products and also to hold padding to products.	Recyclable
Wood	Pallet	Used in shipping. Reused onsite until no longer serviceable, then recycled.	Reuse/Recycle

**Transport**

Method	Type	Description
Boat	Overseas	Some product components are shipped by cargo ship from overseas
Ground	Truck/Rail	Some incoming shipments and almost all outgoing shipments to customers are sent via ground transportation. This can include truck and often rail transport depending on the final destination. We are an EPA SmartWay® Transport Partner.

**Maintenance & Use**

Maintenance or Use	Description	Chemicals Required
Clean with Water and Mild Cleaner	This product requires a damp cloth and a mild, nontoxic cleaner for maintenance.	Mild, water-based cleaner
Electricity – LED	Product is available with LED lighting.	N/A

**Disposal**

Method	Description
Disassemble	Product can be disassembled to separate recyclable components
Recyclable	Metal and acrylic components are recyclable. LEDs may be recyclable in some areas.
Recycling - Scrap	Materials can be sold for scrap

Forms+Surfaces is dedicated to environmental responsibility. We maintain an Environmental Management System and are continually working to improve our impact through efficiency, material selection, vendor education, employee involvement, and an unwavering commitment to being exemplary corporate citizens. If you would like additional information, please contact our Sustainability Team at [green@forms-surfaces.com](mailto:green@forms-surfaces.com).