

Peek PED-100™ Single Section Aluminum Incandescent Pedestrian Signal



- Certified ITE color and intensity
- Various lens configurations
- 11" (280mm) High Symbols exceeds FHWA minimum message size
- Honeycomb Lexan crate W stabilized visor virtually eliminates sun-phantom
- Double parabolic Lexan polycarbonate reflector
- Power-saving lamps of 60, 67, 69, and 116 watts can be installed into PED-100™
- High grade powder coat paint for years of service
- Vandal-resistant construction with diecast 380 aluminum
- Two-year limited factory warranty

Peek PED-100™ is designed as the Single Section Aluminum Incandescent Pedestrian Signal for the new millennium. PED-100™ is the result of Peek's many years of traffic industry leadership worldwide, superior design and quality manufacturing standards that you expect from Peek Traffic.

The lightweight aluminum housing and door is vandal-resistant and equipped with (AISI 304) stainless steel hardware. The unique honeycomb visor is manufactured from molded high-impact Lexan polycarbonate resin, which is ultraviolet stabilized, providing many years of attractive and trouble-free operation. A one-piece door gasket provides a weather-resistant and dust-tight assembly. A single piece double parabolic reflector of metalized Lexan 143 polycarbonate ensures proper ITE mandated light output.

Part Number	Description
057000	Yellow Single Section Ped-Hand/Man
057500	Yellow Single Section Ped-Walk/Don't Walk
058000	Black Single Section Ped-Hand/Man
058500	Black Single Section Ped-Walk/Don't Walk
059000	Green Single Section Ped-Hand/Man
059500	Green Single Section Ped-Walk/Don't Walk

Peek PED-100™ Technical Specification 1.0

This specification describes the physical and functional properties of the Peek PED-100™ Single Section Aluminum Incandescent Pedestrian Signal manufactured by Peek Traffic Systems, Inc. Peek Traffic reserves the right to alter any of the Company's products or published technical data relating thereto at any time without notice.

1.0 Hardware

- 1.1 Pedestrian Body (1 per unit)
 - 1.1.1 Diecast using 380 aluminum. Three colors (yellow, black and green), are powder coated using a seven stage prewash (degrease, rinse, alkaline etch, rinse, chromate conversion coating, rinse and hot rinse), then powdered with industry standard powder paint. Physical assembly size is 18.5" H x 18" W x 7" D, including ears for eyebolts and door attachment. Both sides have a connection collar with 72 teeth for hardware attachment.
- 1.2 Pedestrian Door (1 per unit)
 - 1.2.1 Diecast using 380 aluminum. Powder coated black with seven-stage prewash (chromate conversion) consisting of outer shell with two latch pegs for eyebolt closure and two ears for attachment to the body. Exterior dimensions 18.5" H x 18.75" W including ears and latch plugs.
- 1.3 Reflector (1 per unit)
 - 1.3.1 Molded 143 Lexan polycarbonate with dual sides, divided by a full depth molded divider with a textured pattern on both interior sides of the reflector to aid in consistent light output. Parts are molded to fit inside the body and over the receptacles on the receptacle plate. The reflector is metalized using a five-stage process consisting of a wash, rinse, baked on lacquer coat, vacuum formed vaporized aluminum coating, and a protective clear urethane coating.
- 1.4 Honeycomb Crate (1 per unit)
 - 1.4.1 Molded HF1130 GE Lexan polycarbonate, which fits inside the assembly door, secured with four screws to minimize movement. Unique pattern of interlocking honeycombs bisected with a horizontal lime.
- 1.5 Lens (1 per unit)
 - 1.5.1 ITE approved tri-colored lens (lunar white, Portland orange and black), with 3/16" tempered glass, consisting of two sides and a black background. The two sides representing "Walk/Don't Walk" or "Hand/Man." The unscreened side is textured to provide a uniform light output. The lens has rounded corners at a 45° radius and is seamed to reduce sharp edges.
- 1.6 Socket Plate Assembly 1 aluminum plate consisting of:
 - 1.6.1 Ceramic receptacles (2 per unit) flush mounted for placement on receptacle plate. Contains medium based screw shell for lightbulb installation. Wired with UL-15 18-gauge wires terminated for assembly to terminal block. Color coded (blue, orange, and white for ground).
 - 1.6.2 Standard 3-position terminal block (1 per unit), prewired to receptacles to permit easy field installation of a power supply.
 - 1.6.3 304 SST hex head bolts (4 per unit) 10-24 x 3/8" preinstalled to hold receptacle plate in place and minimize movement.
 - 1.6.4 304 SST lock washers (4 per unit) 10-24 for additional security on the hex head bolts.
 - 1.6.5 Standard 67 watt light bulbs (2 per unit) 8,000 to 10,000 hour life traffic signal bulb with reflective disks. Gasket (1 per unit)
 - 1.7.1 Extruded closed cell medium density EPDM rubber with high UV resistance, $\frac{1}{2}$ " x 5/8" x 63" attached to the lens assembly with double sided tape at approximately 7 pounds PSI, forming an air and water tight seal with the body.
- 1.8 Screws (4 per unit)

1.7

- 1.8.1 SST 10-32 \times ½" round Phillips head used to assemble the honeycomb crate to the door, and minimize crate movement.
- 1.9 Eyebolts Assembly (2 per unit)
 - 1.9.1 304 SST 2" eyebolt to prevent door opening without removing the eyebolt assembly.
- 1.10 Pins (4 per unit)
 - 1.10.1 304 SST Clevis pins 1-5/16" \times 3/16" allow for a no tool installation of the door assembly to the body, and to connect the eyebolt assembly to the body.

