

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

733 Signal Indications and Mounting Assemblies

733 LED Pedestrian Signal Assembly

ADOT Standard Specification: 733

ADOT Standard Drawing: T.S. 8 Series

Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Pedestrian Signal Assembly: Definition	T.S. 8-7 (1 of 3)	A pedestrian signal housing consists of a body, hinged door, terminal block, and related hardware. A pedestrian indication module and visor are added to the housing to make a pedestrian signal.		
Pedestrian Signal Assembly: MUTCD and ITE Requirements	T.S. 8-7 (1 of 3)	The pedestrian signal housing and signal shall meet or exceed the applicable requirements of the MUTCD and ITE Equipment and Material Standards.		
Pedestrian Signal Assembly: ITE Requirements	T.S. 8-7 (1 of 3)	The "Countdown person hand" Pedestrian signal indication shall conform to the 2010 ITE "Pedestrian Traffic Control Signal Indicators: Light Emitting Diode (LED) Signal Modules".		
Pedestrian Signal Assembly: ITE Certification and Labeling	T.S. 8-7 (1 of 3)	The module shall be certified or listed and permanently labeled on the back of the unit as meeting the applicable ITE specification per a third party verification program.		
Pedestrian Signal Assembly: Signal Lens	T.S. 8-7 (1 of 3)	The signal lens shall also include an integrated black screen material which will obscure the icons (hand, person and numerals) so they are not visible when not lighted.		

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Pedestrian Signal Assembly: Serial Number	T.S. 8-7 (1 of 3)	All units shall have a unique serial number that is expressed on the back of the unit in writing and bar coded on a permanent label.		
Pedestrian Signal Assembly: Type	T.S. 8-7 (1 of 3)	Incandescent pedestrian or neon type signal indications shall not be used. Only approved LED modules shall be used.		
Pedestrian Signal Assembly: Warranty	T.S. 8-7 (1 of 3)	All modules shall have, as a minimum 3 year replacement warranty.		
Pedestrian Signal Assembly: Housing Body	T.S. 8-7 (1 of 3)	The housing body shall be a one-piece die-cast or molded cast aluminum unit.		
Pedestrian Signal Assembly: Housing Compatibility	T.S. 8-7 (1 of 3)	The housing shall be compatible with approved ITE compliant LED countdown pedestrian signal modules.		
Pedestrian Signal Assembly: Terminal Blocks Mounts	T.S. 8-7 (1 of 3)	The body shall have terminal block mounts cast into the back wall.		
Pedestrian Signal Assembly: Housing Door	T.S. 8-7 (1 of 3)	The housing door shall be one-piece die-cast or molded cast aluminum with two captive ¼ inch eyebolts with wing nuts (wingnut eyebolt assembly) to latch the door to the body.		
Pedestrian Signal Assembly: Gasket	T.S. 8-7 (1 of 3)	Once latched, the door shall form a positive dust and weatherproof seal between the door and body via a neoprene or similar suitable synthetic rubber gasket material which is rated for outdoor use.		
Pedestrian Signal Assembly: Gasket Channel	T.S. 8-7 (1 of 3)	The gasket shall be fitted into the molded gasket channel cast into the perimeter of the door or housing.		
Pedestrian Signal Assembly: Door Holes	T.S. 8-7 (1 of 3)	The door shall be provided with four tapped and threaded holes on the back per a standard layout.		

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Pedestrian Signal Assembly: Door Holes Hardware	T.S. 8-7 (1 of 3)	The holes shall accept 3/16-inch stainless steel screws to secure four ITE compliant LED signal face module holding clips.		
Pedestrian Signal Assembly: Finish	T.S. 8-7 (1 of 3)	All exterior portions of the body and door shall be powder coated or painted a minimum of two coats of dull black paint. (FS 595A or b 37038)		
Pedestrian Signal Assembly: Finish	T.S. 8-7 (1 of 3)	The finish achieved shall have a minimum outdoor weather rating of 12 or more years.		
Pedestrian Signal Assembly: Exterior Hardware	T.S. 8-7 (1 of 3)	All exterior hardware such as hinge pins, bolts, screws, washers, and locking wing nuts shall be stainless steel.		
Pedestrian Signal Assembly: Interior Hardware	T.S. 8-7 (1 of 3)	All interior screws, fittings, washers, bolts, connectors, terminal blocks shall be stainless steel, plated steel aluminum or brass that is corrosion resistant.		
Pedestrian Signal Assembly: Terminal Block	T.S. 8-7 (1 of 3)	One spade type three-position two sided removable terminal block shall be provided per pedestrian signal housing assembly.		
Pedestrian Signal Assembly: Terminal Block Hardware	T.S. 8-7 (1 of 3)	Each terminal block shall be secured to the back inside wall of the housing with two stainless steel screws.		
Pedestrian Signal Assembly: Mounting	T.S. 8-7 (1 of 3)	The housing shall be capable of mounting to the left or right and shall be compatible with standard mounting hardware.		
Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	Each pedestrian signal housing shall have an egg crate type visor unless specified otherwise on the plans. A hood type visor can be specified if called for on the plans.		
Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	The visor shall be secured to the inside of the door with four stainless steel screws.		
Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	The visor shall be one-piece design.		

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Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	The visor shall be 100% impregnated black polycarbonate plastic or aluminum with a flat black finish.		
Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	The visor shall have a minimum of 18 straight horizontal louvers and 19 zigzag pattern diagonal louvers.		
Pedestrian Signal Assembly: Visor	T.S. 8-7 (3 of 3)	The visor shall overlap with the door such that when installed, the visor shall form a seal with the door.		