EAGLE®
Traffic Control Systems

16-inch Pedestrian Signals

DATA SHEET



DESCRIPTION

Ensure pedestrian safety and visibility with MoboTrex's 16-inch Aluminum and Poly Pedestrian Signals. Crafted to meet or exceed ITE specifications, these signals are designed for durability, ease of maintenance, and seamless integration into existing traffic systems.

ALUMINUM SIGNAL

The 16-inch Aluminum Pedestrian Signal LED housing is one piece die-cast aluminum alloy, with two integrally-cast hinge lugs, screw slots, and openings at each end. The swing-down door is a single piece die-cast aluminum alloy, with two hinge lugs cast on the top of the door and two latch points on the bottom. The door is attached to the bottom of the housing using two hinge pins. Two eye bolts and wing nuts on the top allow the door to be opened and closed without the need for special tools.

POLYCARBONATE SIGNAL

The Polycarbonate 16-inch Pedestrian Signal is available in three different colors, yellow, black and green. The LED housing is one-piece injection-molded with hinge lugs, screw slots, and openings at each end. The swing-down door is a single piece injection-molded polycarbonate, with two hinge lugs molded on the bottom of the door and two latch points on the bottom. The door is attached to the bottom of the housing using two cotterless locking pins. Two eye bolts and wing nuts on the top allow the door to be opened and closed without the need for special tools.

FEATURES

- **Meets or exceeds ITE specifications.**
- **Design provides minimum weight but maximum rigidity and strength.**
- **The housing is designed to work with a gasket supplied by LED manufacturer.**
- **Mounting is completely compatible with all standard signal hardware.**
- **The housing is designed to accommodate 16-inch LEDs.**
- **Heavy duty .250″ thick material.**

SIGNAL HOUSING

The openings will accommodate standard 1.5" pipe brackets. The bottom opening of the housing has an integrally-cast locking boss. The radial angular grooves of the locking boss provide 5 degree incremental positioning of the signal to eliminate rotation or misalignment of the signal. The housing is available with a knock-out plug at the top and bottom. This plug eliminates the need for additional hardware to close these openings when using a clamshell or post-top mounting bracket.

VISOR OPTIONS

The egg crate visor option is designed to eliminate sun phantom and minimize damage to the LED. The egg crate visor is inserted through the back side of the door and it overlaps by 1/2". It is sealed when the door is closed, which prevents light from escaping between the visor and the door. The egg crate visor is available only in black. A tunnel visor is also available to be included either with or without the egg crate visor.

VISOR NOTES

- When ordering egg crate visor, use visor color designator F.
- When ordering assembly without visor, use visor type 0 and visor color designator F.

WEIGHTS

16" Ped Parts	Polycarbonate	Aluminum
Housing	6.3 lbs.	10.5 lbs.
Door	1.5 lbs.	1.8 lbs.
Tunnel Visor	1.0 lbs.	1.4 lbs.
Egg Crate	2.0 lbs.	2.0 lbs.

ALUMINUM SIGNALS ONLY

- Clamshell installation reference is facing the front of the signal.
- If ordered with Clamshell attached, only the side with the clamshell is drilled.
- If ordered without Clamshell attached, both sides will have 5 holes with knockouts in place.
- Peds are shipped without a door gasket or LED locking device.
- Serration located on bottom.

POLYCARBONATE SIGNALS ONLY

- Clamshell installation reference is facing the front of the signal.
- If ordered with Clamshell attached, only the side with the clamshell is drilled.
- If ordered without Clamshell one side will have 5 holes with knockouts in place.
- Peds are shipped without a door gasket or LED locking device.
- Serrations located on top and bottom.
- When ordering black poly housings or doors, use color designator B. Flat Black is not a color option on polycarbonate signals.

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Signal Head Ordering – 16" Pedestrian Aluminum and Polycarbonate

Signal Shape 16" PED	Housing Type	Lens Configuration*	Housing/ Door Material	Clamshell	LED Supplied By	Visor Type	Housing Color	Door Color	Visor Color	LED
SG7 = EAGLE	S = STD M = MAINT B = Both	A = Hand/Man B = Walk/Don't C = SM/WM/CD D = Canada E = Canada F = Count Down G = Hand/CD H = H/M+CD Z = Customer Supplied 0 = None	1 = Poly/Poly 2 = Alum/Alum 3 = Poly/Alum 4 = Alum/Poly	0 = None 1 = Right 2 = Left	0 = None 1 = Eagle A = Dialight B = Dialight XTE C = Customer F = Dialight USA G = Dialight 48V J = GE Specific	0 = None 1 = Egg 2 = Alum Tunnel 3 = Poly Tunnel 4 = McCain Alum 11" 5 = MoboTrex Alum 11" 6 = MoboTrex Alum 9"	0 = No Housing A = Aluminum Gray B = Gloss Black C = Berkley Brown D = MDC Gray E = Battleship Gray F = Flat Black G = West Coast Green H= Minneapolis Yellow J = Texas Brown L = Ocean State Green M = East Coast Green N = Bare P = Quebec Brown Q = Bronze (Retardo) R = Wine Red S = Star Dust Silver T = Toronto Gray V = VStanley – NY Green W = White (Navajo) Y = Yellow Z* = Special X# = Non-Standard for Poly (minimums apply)	0 = No Door A = Aluminum Gray B = Gloss Black C = Berkley Brown D = MDC Gray E = Battleship Gray F = Flat Black G = West Coast Green H = Minneapolis Yellow J = Texas Brown L = Ocean State Green M = East Coast Green N = Bare P = Quebec Brown Q = Bronze (Retardo) R = Wine Red S = Star Dust Silver T = Toronto Gray V = VStanley – NY Green W = White (Navajo) Y = Yellow Z* = Special X# = Non-Standard for Poly (minimums apply)	0 = No Visor A = Aluminum Gray B = Gloss Black C = Berkley Brown D = MDC Gray E = Battleship Gray F = Flat Black G = West Coast Green H= Minneapolis Yellow J = Texas Brown L = Ocean State Green M = East Coast Green N = Bare P = Quebec Brown Q = Bronze (Retardo) R = Wine Red S = Star Dust Silver T = Toronto Gray V = VStanley – NY Green W = White (Navajo) Y = Yellow Z* = Special X# = Non-Standard for Poly (minimums apply)	10

STD - Standard MAINT - Maintenance

Notes

When ordering Maintenance housing WITHOUT clamshell installed, BOTH sides of housing will have mounting holes drilled with removable plugs inserted.

When ordering Maintenance housing WITH clamshell installed, mounting holes will be drilled only on the side the clamshell is installed.

Egg Crate visors available in flat black ("F") only.



A

Hand/Man



B

Walk/Don't Walk



C

Standing Man Walking Man Count Down



D

Canadian Standing Man Walking Man Count Down



E

Canadian Walking Man Hand



F

Count Down



G

Hand Count Down



H

Hand/Man Count Down

*All renderings are for reference only

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