



Turn Lane Pedestrian Indicator (TLPI)



LED signs regardless of manufacturer can be paired with PedSafety's TLPI.

The **Turn Lane Pedestrian Indicator (TLPI)** provides a visual warning indication to drivers that the intersection is active with pedestrians who are legally crossing the street during the walk cycle in one or more locations that are potentially in a collision path with an automobile. The visual warning **only** becomes active after a pedestrian has pressed or waved at an APS or PPB.

Why is this important? It now shifts the focus of safety from the pedestrians to drivers of vehicles. Drivers now have a visual warning that pedestrians are present and must proceed with caution.

The TLPI can be used to provide drivers who are making right or left turns with warnings that the intersection is active. Drivers are often looking for vehicles rather than pedestrians at intersections and the TLPI provides drivers with a warning.

The TLPI warning starts with the intent of the pedestrian to cross the street. By pressing the pushbutton, the TLPI communicates wirelessly to a high-intensity flashing 30"x30" R10-15 sign warning the driver intending to turn that the pedestrian is either entering the crosswalk or already in the crossing.

TLPI is ideal for a range of applications:

- Right-hand turn on a red light
- Legal left-hand turn on red light
- Right-hand turn on a green light
- Legal left-hand turn with no traffic arrows
- Legal left-hand turn with flashing yellow arrow
- Visual warning of pedestrians in low light conditions or extreme weather conditions
- Visual warning of pedestrians crossing at nighttime
- Solar, hybrid, and AC power options available

Wireless Communication

The TLPI patented warning system utilizes multiple wireless nodes communicating through the 900 MHz radio frequency to energize a high-intensity illuminated R10-15 sign that provides visual warnings to those who intend to turn.

Wireless communication between the button and the sign removes the need to wire the R10-15 sign back to the cabinet. This equals faster installation, less labor, and the ability to install a lighted sign ahead of the intersection.



Specifications:

Parameter	Rating
Wireless Communication	900 MHz Narrow Bandwidth
	Digi Mesh Networking
Sign Dimensions	R10-15 30"x 30 or 18"x 18"
Environmental	Operating Temperature -34°C to +74°C -30 °F to +165°F
	NEMA 4X enclosure
	Nodes epoxy encapsulation
	Temperature and Humidity NEMA TS2 Mechanical shock and vibration NEMA TS2
Electrical	Transient Suppression NEMA TS2
Warranty	3-year limited Warranty

Power Supplies	Rating
Signal Power Interface	Input Connections: 85 – 135 VAC & 220 VAC at 6VA Max
Solar Application	Varies depending on sign manufacturer

Please Specify Part Numbers:

TLPI Signal Interface Node (Ped head unit)	507-0001
TLPI Sign Driver Node (Back of Sign unit)	507-0002

Signal Power Interface (SPI) 120 VAC	501-0300
Signal Power Interface (SPI) 48 VDC	501-0303

