

LED TRAFFIC SIGNAL Pedestrian Signal Modules

PRODUCT

FEATURES



90% Less Power Consumption



Longer Lifetime



High Brightness



Modular Design



Virtually Maintenance Free



ITE Conformance Design
CA and Other DOT's
Prequalified



Weatherproof



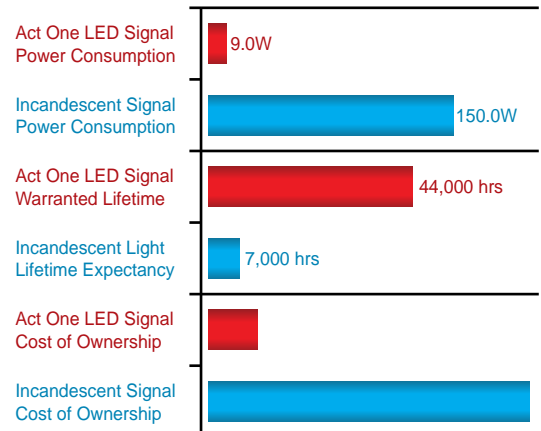
The LED alternative for traffic control systems is the wave of the future due to its high reliability and extremely low energy and maintenance costs compared to traditional incandescent signals. Cooperating with the leading LED component supplier in the industry, Dayton Signal & Lighting integrates the latest technology and accumulated industrial experience to provide a dramatically better solution for traffic control systems.

Act One LED traffic signal modules are replacements to be retrofitted into existing signal lamps and require no special tools for installation. The installation to an existing signal housing requires only the removal of the existing optical unit components, i.e., lens, lamp module, gaskets, and reflector. Our modules fit into traffic signal housings built to the VTCSH standard without any modifications to the housing.

The LED signal module lens may be replaced without the need to replace the complete LED signal module. The modules are protected against dust and moisture intrusion according to the requirements of NEMA standards for Type 4 enclosures. The LED signal module has been designed to assure all internal LED and electronic components are adequately supported to withstand mechanical shock and vibration from high winds and other sources.

The enclosure containing either the power supply or electronic components of the signal module, except for lenses, is made of UL94VO flame retardant materials. The power supply is integrated inside the module to form a single, self-contained device, requiring no on-site assembly for installation.

The advantages of Act One LED traffic signals over traditional incandescent lights are numerous. They are energy-efficient, with long-life performances. They generate little heat, are shock- and vibration-resistant and easy to install. See how Dayton Signal can light your way to a brighter future.



Note: Based on 5-year duration, LED signal model TP-16WP-1, energy cost \$0.08/kWh, 100% on-time, emergency repair twice a year for incandescent light bulbs.

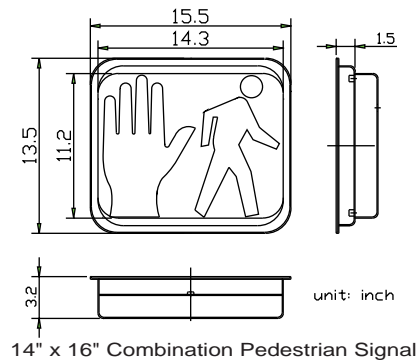
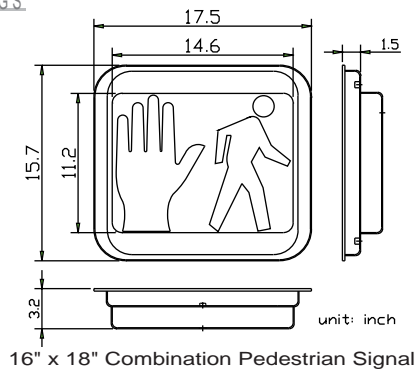


PEDESTRIAN SIGNAL SPECIFICATIONS

Specifications listed are subject to change without prior notice. All values are design specifications, or typical values when measured in laboratory environments.

SYMBOL	Symbol	Hand	Walking Person
		Filled	Filled
	Color	Portland Orange	Lunar White
	LED Material	AllnGaP	InGaN
	Power Consumption (Watts)	9.0	9.0
GENERAL	Module Size	Fits Existing Type A Housing	
	Nominal Applied Voltage	120 VAC / 60Hz	
	Operating Voltage Range	80 ~ 135 VAC / 60Hz	
	Total Harmonic Distortion (THD)	< 20%	
	Power Factor (PF)	> 0.9	
	Connect Terminal	Spade Quick Connector	
	Moisture Resistance	NEMA Type 4 Enclosure, Standard 250-1991	
	Vibration Resistance	Passing MIL-STD-883 Test Method 2007	
	Model Number	TP-16WP-1 (16" x 18")	TP-14WP-1 (14" x 16")
	Module Weight	4.6 Pounds	4.2 Pounds
ENVIRONMENTAL	Operating Temperature	-40°F ~ 165°F (-40°C ~ 74°C)	
	Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)	

DRAWINGS



At Dayton Signal & Lighting, we lead in the creation, development and manufacture of the industry's most advanced LED electronic display technology.

Our brightness, quality and standards are superior. We translate advanced technologies into value for our customers through products that perform and exceed expectations.

Dayton Signal & Lighting is comprised of professionals who help you make sense of technology. Professionals who make sure that the solution you want is the solution you get.

- Higher Brightness
- Higher Quality
- Higher Standards

OTHER LED TRAFFIC PRODUCTS



Superimposed Hand & Walking Person Signal Head
12" Square



Outlined Hand Signal
12" Circular



Countdown Signal Head
12" Square



Outlined Walking Person Signal
12" Circular



Hand/Person and Countdown Combination Signal Head
16" x 18" & 14" x 16"



Variable Message System
Full-Color / Multi-Color / Mono



Superimposed Hand & Walking Person Signal Head
16" x 18" & 14" x 16"



Ball and Arrow Signal Modules
8" & 12" Circular



TP-16WP-1

Certified to ENERGY STAR® Standards
ITE Conformance Design
Caltrans & Other DOT's Pre-Qualified

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