



“Wireless” Traffic Control Solutions

AC/DC LED Traffic Beacon Kits

Features

- Long lifespan
- Solid-state design
- Polycarbonate signal heads
- Tunnel visor included
- 5-inch louvered back plate (DOT models)
- Corrosion resistant hardware
- 6-position terminal block in each head
- Lamps meet or exceed ITE intensity levels
- 3-year warranty on DC LED lamps
- DC lamps made in USA, in house by Solar Traffic Controls, tested and calibrated for best performance
- Aluminum mounting hardware kit including upper arm, universal hub and closure kit

Options

- High Intensity 12-inch LED lamps in Red or Amber
- Aluminum signal head option
- Signal head color and visor option
- Lower mounting arm kit option

Applications

- 24 Hour Flashers
- School Zone Flashers
- Pedestrian Crossing Flashers
- Fire Station Flashers



Configurations:

12" amber LED beacon, AC/DC	8" amber LED beacon, AC/DC
12" red LED Beacon AC/DC	8" red LED beacon, AC/DC
DOT Style w/ backplate	Economy Style w/o backplate

DOT Style Beacon Kits:

DOT style beacon kits include the LED lamp, a polycarbonate signal head with visor, upper arm assembly, a one-way hub (with U-bolt), a universal hub, 5" louvered black backplate and lamp closure kit. Additional items such a lower arm and additional hubs are available as options to the basic DOT package. All hardware is aluminum.

Economy Beacon Kits:

Economy style beacon kits include the LED lamp, a polycarbonate signal head with visor, upper arm assembly, a universal hub, lamp closure kit. Additional items such a lower arm and additional hubs are available as options to the basic Economy package. All hardware is aluminum.

LED Lamps:

All STC DC LED lamps meet or exceed ITE standards for optical output and beam spread. AC lamps are from recognized major US suppliers. DC lamps are manufactured by STC in the USA to meet ITE and MUTCD guidelines for traffic signals. All lamps, AC and DC, include multi-parallel strings so that if one goes out the whole lamp does not go dark. DC LED lamps include 4 elements per string and operate from 10.5-15VDC. Typical optical output on the DC LED lamps is as follows:

Parameter / Model No.	8408R1383	8408A1384	8412A2385	8412R2989
Color/Size(mm)	Red/ 8"(200)	Amber/ 8"(200)	Amber/12"(300)	Red/12"(300)
Working Voltage	10.5 - 15 VDC	10.5 - 15 VDC	10.5-15 VDC	10.5-15 VDC
Candela @ 2.5°V -2.5°H (12 V)	≥400 cd	≥600 cd	≥1000 cd	≥452 cd
Lamp Wattage@12V	5.8 W	9.9 W	15.6 W	5.8 W
Lamp Wattage@13V	6.4 W	11.4 W	18.3 W	6.5 W
Beam Spread	17.5° X 55°	17.5° X 55°	17.5° X 55°	17.5° X 55°
LED Quantity/Wavelength (type)	148/620-625nm	148/590-592nm	196 /590-592nm	120 /620-625nm
Main Circuits	37 circuits	37 circuits	49 circuits	30 circuits
Replaceable Lens	Yes	Yes	Yes	Yes
Voltage Spike Protection	Yes	Yes	Yes	Yes



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