

SIGNALTECH LED LIGHTS



Signaltech™ LED Light Series

The SIGNALTECH™ LED lights feature a high-impact resistant polycarbonate housing and the unique “reflector-cell” technology that enhances brightness - even in full sunlight. The SIGNALTECH LED lights were developed around emergency vehicle specifications. Take advantage of SIGNALTECH’s reduced maintenance costs associated with LED technology.

Flashing LED Light Kits

Flashing SIGNALTECH LED light kits feature a “fully potted”, integrated flasher. A separate power supply is not required for these kits. Each LED light head produces an attention-getting warning signal by simply applying voltage. The flashing, LED light heads come equipped with an override feature that allows the user to sequence multiple LED light heads using an external flasher, such as the INTELLI-FLASH™ Series-Model 650203. Flashing SIGNALTECH LED lights meet either SAE J1318, SAE J845, or SAE J595 requirements.

S-T-T, Turn, and Back-Up LED Light Kits

Complement your “quad” flashing LED light kits with Federal’s S-T-T (Stop, Tail, Turn), turn, and back-up LED light kits. All LED light kits feature a triple sealed plug that allows for easy installation to existing back-up, S-T-T, and turn circuits. The LED lights operate at 12 or 24 VDC and are voltage regulated for consistent light output. All LED lights comply with the latest FMVSS 108 and SAE standards.

Side Marker/Clearance Lights

The SIGNALTECH Side Marker/Clearance lights are an excellent complement to the flashing or S-T-T LEDs. They feature a state-of-the-art optical lens and the patented DIGIBULB™ LED design, which eliminates the “dot” effect of normal LED side marker lights. The light heads are available in 2” and 2.5” round, and 4” rectangle formats. All models operate at 12 volts, and meet FMVSS 108, DOT, and SAE standards.

FEATURES

- Reflector-cell technology enhances brightness – even in full sunlight.
- Enhanced lens design for a uniform light pattern, unlike other LED lights.
- 12 or 24 volt operation.
- “Potted”, solid-state components.
- Extremely low amp draw.
- Protected against moisture and contaminants.
- Protected against voltage spikes.
- High, impact-resistant polycarbonate housing.
- Protected against shock and vibration.

APPROVALS

- Flashing: SAE J1318, SAE J845, SAE J595, and California Title 13.
- Back-Up/Turn, S-T-T: FMVSS 108, SAE J1398, and SAE J593.

DESCRIPTIONS

- **Random Flash:** units will flash independent with no set pattern
- **Alternating Flash:** When units are wired together an alternating pattern will occur between units
- **Synchronous Flash:** When units are wired together a synchronous pattern will occur

HOW TO ORDER

Random Flashing Light Kits, 12-24V, 71 quad FPM

- 607123 4" round (PAR 36) kit
(available in amber, blue, and red)
- 607101 6" oval kit
(available in amber, blue, and red)
- 607126 5" round (PAR 46) kit
(available in amber and red)
- 607112 4" round (PAR 36) with rubber tractor housing (available in amber and red)
- 607127 5" round (PAR 46) with rubber tractor housing (available in amber and red)

Alternating Flashing Light Kits, 12-24V, 72 quad FPM

- 607138 4" round (PAR 36) kit (amber only)
- 607139 6" oval kit (amber only)
- 607140 5" round (PAR 46) kit (amber only)

Synchronous Flashing Light Kits, 12-24V, 72 quad FPM

- 607133 4" round (PAR 36) kit (amber only)
- 607134 6" oval kit (amber only)
- 607136 5" round (PAR 46) kit (amber only)

Random Flashing Light Kits, 12-24V, 120 single FPM, CAC Title 13 approved

- 607128 4" round (PAR 36) kit (amber only)
- 607129 6" oval kit (amber only)
- 607130 5" round (PAR 46) light head only
(available in amber and red)
- 607131 5" round (PAR 46) with rubber tractor housing (amber only)
- 607132 5" round (PAR 46) kit (available in amber and red)

S-T-T and Turn LED Light Kit Models, 12V

- 607100-04 4" round S-T-T (red)
- 607105-04 6" oval S-T-T (red)
- 607102-02 4" round Turn (amber)
- 607106-02 6" oval Turn (amber)

Side Marker/Clearance LED Light Kit Models, 12V

- 607119 2" round (available in amber and red)
- 607120 2.5" round (available in amber and red)
- 607122 4" rectangular (available in amber and red)

Back-up LED Light Kit Models, 12V

- 607124-05 4" round (white)
- 607125-05 6" oval (white)

Kits include: LED head, rubber mounting grommet, and sealed wire harness

OPTIONS

- 605523 4" round flashing LED light head
- 605501 6" oval flashing LED light head
- 607103-04 4" round LED S-T-T light head
- 607107-04 6" oval LED S-T-T light head
- 607104-02 4" round LED Turn light head
- 607108-02 6" oval LED Turn light head
- 605520 4" round grommet
- 607137 5" round (PAR 46) grommet
- 605510 6" oval grommet
- 605500 Sealed wire harness for flashing LED light heads
- 607109 Sealed wire harness for S-T-T and Turn LED light heads
- 607110 4" round flange kit
- 607111 6" oval flange kit
- 650203 Intelli-Flash™ "dock" station 4-channel LED flasher

Specifications	
Voltage	12/24 VDC (all units operate at 9 to 30 VDC) Marker Lights and back-up lights: 12 VDC only
Operating Temp.	-30° C to + 65° C
Amp Draw Flashing Models @ 12.8V	Amber: 0.26 (average) Red: 0.30 (average) Blue: 0.17 (average)
S-T-T & Turn Models @ 12.8V	Red: 0.30 (average) Amber: 0.26 (average)
Back-Up Models @ 12.8V	Clear: 0.30 (average)
Dimensions	
(Dia. x D.)	2" Round: 2 in x 0.78 in (50.8 mm x 19.81 mm) 2.5" Round: 2.5 in x 0.78 in (63.5 mm x 19.81 mm) 4" Round: 4.3 in x 1.75 in (109 mm x 44.5 mm) 5" Round: 5.65" x 1.75" (143.5 mm x 44.5 mm)
(L. x D. x H.)	4" Rectangle: 4 in x 1.2 in x 0.75 in (101.6 mm x 30.5 mm x 19 mm) 6.5" Oval: 6.44 in x 1.9 in x 2.36 in (163.5 mm x 48 mm x 60 mm)
Ship Weight	
	2" Round: 0.20 lbs (0.9 kg) 2.5" Round: 0.20 lbs (0.9 kg) 4" Round: 0.47 lbs (0.17 kg) 4" Rectangle: 0.20 lbs (0.9 kg) 6" Oval: 0.48 lbs (0.18 kg) 5" Round: 0.85 lbs (0.39 kg) 4" Tractor Lamp: 1.50 lbs (0.68 kg) 5" Tractor Lamp: 2.00 lbs (0.91 kg)



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