

## Reduce Rear-end Crashes by 30%\*



**Upper Dual Outboard**

Distracted driving is wide spread today and the National Tank Truck Carriers (NTTC) Association believes that tank truck carriers must take steps to protect themselves from these distracted drivers, especially in situations when a HAZMAT hauler has to stop at rural railroad crossings.

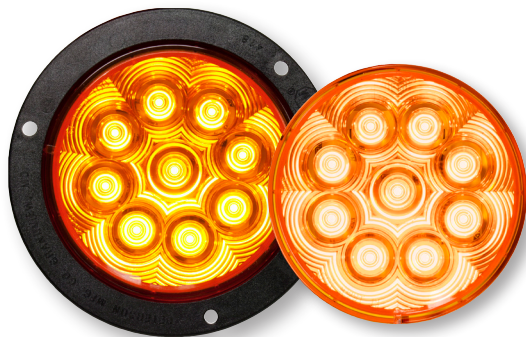
Consequently, NTTC has received an exemption from FMCSA that allows all tank truck carriers to install an amber-colored flashing strobe light on the back of a tank trailer, activated when applying the service brake.

This exemption follows a successful test by a national tank truck carrier that reduced their rear-end crash rate by more than 30% using Peterson products.

As a result, Peterson is excited to announce our LED brake-activated pulsating lamp and harness system designed for this tanker exemption. Tank fleets can now install the same Peterson harness components and Peterson *LumenX*® LED 10-diode strobe light that made industry headlines and drove the FMCSA exemption. The full exemption is available at <https://www.fmcsa.dot.gov/regulations/notices/2019-08463> or scan the QR code in the lower right corner.



**Upper Center**



**Ask us about our kit which includes a light, harness, and mounting bracket.**

**24-foot version (288")**

**Part# 817-49288**

Designed for routing to top of tanker at convenient point at trailer midsection.

**8-foot version (96")**

**Part# 817-4996**

Designed to run upwards along the rear edge of the tank.

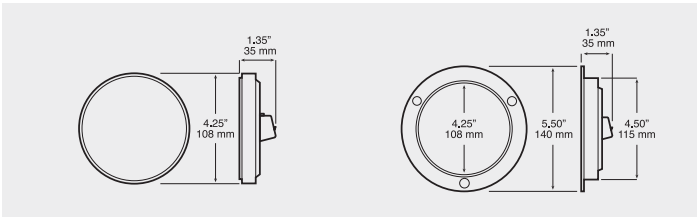


\*See FMCSA exemption for details.



# PETERSON

Vehicle Lighting & Harness Systems



## 817S/818S LumenX® LED Auxiliary Round Strobes

- **Meets SAE J595 Class 1**
- Strobing light functions as strobe auxiliary brake on tanker trailers.
- High output white diodes fully illuminate amber lens with advanced optics.
- AMP-compatible hardshell connectors integrated into housing for the most robust environmental seal available.
- 9-32 volt operating range is compatible with 12V and 24V vehicles.
- Regulated design provides voltage protection and consistent light output over a wide voltage range.
- 818SA-9 has flange integrated into the housing.
- 817SA-9 requires 426-18 rubber grommet for installation.
- Use 417-491 adapter plug to retrofit to traditional harnesses with three-pin (PL3) connectors.



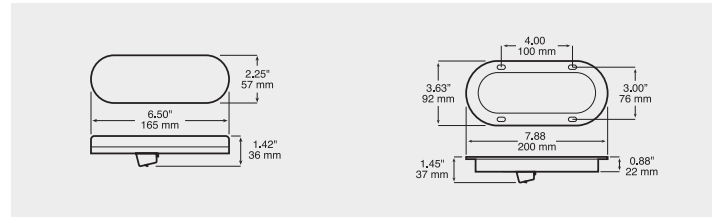
417-491

Order No.	Description	Pack	Std Carton
817SA-9	amber, round, grommet mount	poly pack	6
818SA-9	amber, round, flange mount	poly pack	6
M817SA-9	amber, round, grommet mount	mfg. pack	6
M818SA-9	amber, round, flange mount	mfg. pack	6
426-18	round grommet	poly pack	12
417-491	PL3 adapter plug	poly pack	6

Class	Intended Function
1	Emergency Response
2	Warning
3	Identification

## SAE CLASS RATINGS – STROBES

The Society of Automotive Engineers (SAE) has developed performance standards for strobe/warning lights. This chart shows the three classes defined and their intended use. Peterson strobes are all Class 1 (4x more intense than Class 2) for maximum impact with distracted drivers.



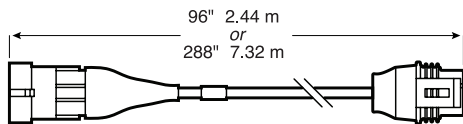
## 820S/823S LumenX® LED Auxiliary Oval Strobes

- **Meets SAE J595 Class 1**
- Strobing light functions as strobe auxiliary brake on tanker trailers.
- High output white diodes fully illuminate lens with advanced optics.
- AMP-compatible hardshell connectors integrated into housing for the most robust environmental seal available.
- 9-32 volt operating range is compatible with 12V and 24V vehicles.
- Regulated design provides voltage protection and consistent light output over a wide voltage range.
- 823SA-10 has flange integrated into the housing.
- 820SA-10 requires 421-18 rubber grommet for installation.
- Use 417-491 adapter plug to retrofit to traditional harnesses with three-pin (PL3) connectors.



417-491

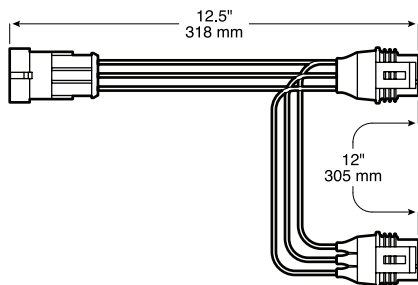
Order No.	Description	Pack	Std Carton
820SA-10	amber, oval, grommet mount	poly pack	6
823SA-10	amber, oval, flange mount	poly pack	6
M820SA-10	amber, oval, grommet mount	mfg. pack	6
M823SA-10	amber, oval, flange mount	mfg. pack	6
421-18	grommet	poly pack	12
417-491	PL3 adapter plug	poly pack	6



## Harness Extensions

- Connects to "Y" adapter above to provide auxiliary strobe power.
- Choice of two lengths for simple, flexible, efficient installation.
- AMP-compatible hardshell connectors on each end (one female plug, one shrouded male plug).

Order No.	Description	Pack	Std Carton
817-49288	extension harness, AMP style, 288"	poly pack	6
817-4996	extension harness, AMP style, 96"	poly pack	6



## "Y" Adapter Harness

- Installs between brake light and existing trailer harness to provide brake circuit power to auxiliary strobe.
- AMP-compatible hardshell connectors (two female plugs, one shrouded male plug).
- 12.5" length.

Order No.	Description	Pack	Std Carton
817-49Y	STT Y-plug, AMP style, 12.5"	poly pack	6

Brake Activated Strobe Tankers-0621-B