



PLASMA 360

Perimeter Strobe - Installation Instructions

Amber/Green Lighthead | Part No. 940304 | 12-24V DC



Thank you for choosing Putco. Read this guide before installing your Plasma 360 lighthead. For application and installation assistance, contact Putco Technical Support.

Installation Support

Phone: 800-247-3974

Email: support@putco.com

Website: www.putco.com

Read before installation: Disconnect vehicle power before making permanent connections. Verify the supplied parts and wire functions before installation.



WHAT IS INCLUDED

Description	Quantity
Plasma 360 Amber/Green lighthead	Matches the ordered pack: 1, 2, 4, 8, 16, 32 or 64 units.
Attached four-wire lead	1 per lighthead: red, black, yellow and white.
Mounting screws	2 per lighthead
Bolts	2 per lighthead
Foam gasket	1 per lighthead

RECOMMENDED TOOLS

- Phillips screwdriver; drill, suitable bits, ruler or caliper and marking tool.
- Wire stripper/crimper, multimeter and weather-sealed connectors.
- Automotive wire, loom, grommets and heat-shrink tubing.
- Fuse holder, suitable fuse and on/off switch rated for the circuit load.

MOUNTING

1. Choose a secure, flat location clear of lamps, sensors and moving parts. Check behind the surface before drilling.
2. Mounting holes are spaced 4 1/8 inches center-to-center. Use the supplied lighthead to verify and mark the hole locations.
3. Disconnect power. Prepare mounting and cable holes as needed. Protect bare metal and grommet cable openings.
4. Fit the included foam gasket and mounting hardware suitable for the surface. Tighten evenly without distorting the housing. Secure the cable.



Mounting-hole spacing: 4 1/8 inches center-to-center.

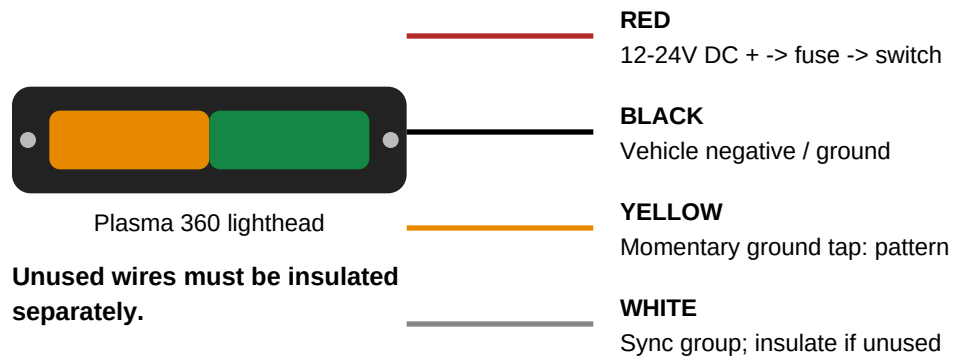
Diagram is not to scale and must not be used as a drilling template.

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Section 1: Wiring Diagram

Wire color	Function / description
Red	Positive power: 12-24V DC through suitable circuit protection and an on/off switch.
Black	Negative / ground.
Yellow	Pattern selection: momentarily touch to black / ground for less than one second while powered.
White	Synchronization: connect the white leads of the lighthead in the same sync group; up to 16 heads.

Basic connection - one lighthead



Important: The yellow lead selects the pattern; it is not a positive-power lead. The white lead is the sync connection, not ground. Insulate unused leads separately.

Disconnect power before wiring.

1. Connect red to the fused, switched 12-24V positive supply and black to vehicle negative / ground.
2. Connect white only when synchronization is needed. Leave yellow available for programming; insulate unused wires separately.

Select fuse size, wire gauge and switch rating for the verified circuit load and wire length. Contact Putco for circuit-selection assistance.



Section 2: Programming Settings

1. Select a flash pattern

- a.** With connections checked, power the lighthouse from a suitable fused 12-24V DC supply: red to positive and black to negative.
- b.** Momentarily touch the yellow lead to black / ground for less than one second, then release it to advance to the next pattern.
- c.** Repeat until the desired pattern is displayed. Insulate the yellow lead if no ongoing pattern control is required.

2. Check last-pattern memory

- a.** Select the desired pattern. Switch the lighthouse off, then back on.
- b.** Confirm that the last selected pattern returns before completing installation.

Section 3: Synchronization

3. Synchronize multiple lighthouses

- a.** With power disconnected, connect the white leads of the lighthouses in the same sync group. Use no more than 16 lighthouses per group.
- b.** Connect each lighthouse to the intended fused power and ground circuits. Restore power and select matching patterns on the individual lighthouses.
- c.** Observe the group and confirm that the lighthouses flash together. Keep the white sync leads connected during operation.
- d.** If timing or pattern behavior does not match, check the white-lead connections, common ground and selected patterns. Contact Putco if the group does not synchronize.



Section 4: Color and Pattern Options

Configuration	Operation
940304 - Amber/Green	Split Amber/Green lighthouse. Color behavior depends on the selected pattern. No separate color-change lead is identified.
Selectable modes	Referenced mode families include steady-on, constant flashing and alternating flashing.
Pattern memory	Returns to the last selected pattern after power is restored.

Choose from 19 patterns. Cycle through the available settings using the yellow pattern-selection lead until the desired mode is displayed.

TROUBLESHOOTING

Issue	Check
Light does not illuminate	Check the fuse, switch, red positive connection, black ground connection and supply voltage with a multimeter.
Pattern will not change	The lighthouse must be powered. Briefly touch yellow to black / ground, then release. Check the connection at the lighthouse.
Lighthouses do not sync	Check white sync connections, common ground, matching selected patterns and the 16-head group limit.
Intermittent operation	Switch power off. Inspect loose connectors, poor grounds, damaged wiring and unsealed connections. Correct faults before testing again.

Need assistance? Contact Putco Technical Support at 800-247-3974 or support@putco.com. Have part number 940304, supply voltage and a description of the installation available.



Installation Complete



FINAL INSPECTION

- Mounting hardware is secure; housing and lens are not distorted.
- Cables are protected from sharp edges, heat and moving parts.
- Connections are weather sealed and unused leads are individually insulated.
- The supply is fused and the circuit components are rated for the verified load.
- Power switching, pattern selection and last-pattern memory operate correctly.
- Connected lightheads display the selected synchronized pattern.

Warranty: Backed by Putco's 1-year limited warranty. Visit www.putco.com/warranty-policy/ for terms and coverage.

Technical Support: 800-247-3974
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Final inspection required: Confirm the installation and every operating function before placing the vehicle back in service.