

119TH CONGRESS
1ST SESSION

S. 2290

To clarify certain regulations to allow for the installation of pulsating light systems for high-mounted stop lamps, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JULY 15, 2025

Mr. TILLIS (for himself and Mr. LUJÁN) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To clarify certain regulations to allow for the installation of pulsating light systems for high-mounted stop lamps, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Collision Avoidance
5 Systems Act of 2025”.

6 **SEC. 2. REAR-END COLLISION AVOIDANCE SYSTEMS.**

7 (a) DEFINITIONS.—In this section:

1 (1) PULSATING LIGHT SYSTEM.—The term
 2 “pulsating light system” means a system for a high-
 3 mounted stop lamp in which—

4 (A) when the brake of the vehicle is ap-
 5 plied, the lamp pulses rapidly not more than 4
 6 times and for not more than 1.2 seconds, after
 7 which the lamp converts to a continuous light
 8 as a normal stop lamp until the time the brake
 9 is released; and

10 (B) the pulses described in subparagraph
 11 (A) may not repeat on a subsequent application
 12 of the brake of the vehicle for a lock-out period
 13 of at least 5 seconds after the release of the
 14 brake described in that subparagraph.

15 (2) STANDARD 108.—The term “Standard 108”
 16 means Federal Motor Vehicle Safety Standard Num-
 17 ber 108, contained in section 571.108 of title 49,
 18 Code of Federal Regulations (or a successor regula-
 19 tion).

20 (b) CLARIFICATION ON PULSATING LIGHT SYS-
 21 TEMS.—Beginning on the date of enactment of this Act,
 22 Standard 108 shall be deemed to allow for the use of pul-
 23 sating light systems on vehicles covered by Standard 108.

24 (c) RULEMAKING.—Not later than 180 days after the
 25 date of enactment of this Act, the Secretary of Transpor-

1 tation shall promulgate such regulations as are necessary
2 to update Standard 108—

3 (1) to include performance-based standards for
4 pulsating light systems; and

5 (2) to allow for the use of pulsating light sys-
6 tems on motor vehicles covered by Standard 108.

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