

GENERAL SERVICE LAMPS

In August 2020, the Director of the Governor's Office of Energy adopted regulation [R100-19](#) pursuant to [Nevada Revised Statute \(NRS\) chapter 701.260](#) as amended under [Assembly Bill 54 \(2019\)](#). The regulation sets a minimum standard of energy efficiency of 45 lumens per watt of electricity consumed that must be produced by General Service Lamps sold in Nevada on and after January 1, 2021.

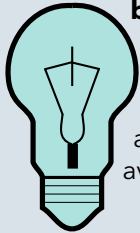
WHAT ARE GENERAL SERVICE LAMPS?

General Service Lamps (GSLs) refer to lighting applications traditionally served by general service incandescent lamps (GSILs), also known as "A-type" bulbs. The majority of lighting in a residence is covered under the new standard and definitions, including:

- General Service Incandescent Lamps (GSILs)
- Compact Fluorescent Lamps (CFLs)
- General Service LED Lamps
- General Service Organic LED Lamps
- Reflector Lamps

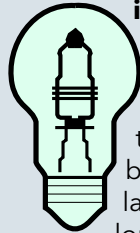
COMMONLY FOUND GSLs COVERED UNDER CHANGES

Traditional incandescent bulbs



waste a lot of energy as heat to create light. They last about one year, on average.

Improved halogen incandescent bulbs



use up to 30 percent less energy than traditional light bulbs and can last three times as long.

Curly compact fluorescent bulbs



use up to 75 percent less energy than traditional bulbs and can last for 10 years. But they can be slow to brighten and have a colder light quality.

LED bulbs



use up to 85 percent less energy than traditional bulbs and can last for 25 years, without some of the drawbacks of compact fluorescents.

WHERE ARE GENERAL SERVICE LAMPS USED?

These are the most commonly used lightbulbs, and they are generally pear-shaped. The majority of lighting found in a residence are considered GSLs, and some common uses are table side lamps and daily-use light fixtures.

WHY DID THE REQUIREMENTS CHANGE?

As lightbulb efficiency improves and energy efficient lightbulbs become more affordable, GSLs with efficiency below 45 lumens per watt are increasingly rare. According to [a report published by the Appliance Standards Awareness Project \(ASAP\)](#), replacing inefficient lightbulbs could result in household savings of \$81 each year.



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WHAT ARE THE TECHNICAL SPECIFICATIONS OF A GENERAL SERVICE LAMP?

“General service lamp” means a lamp that:

- has a medium, candelabra or intermediate screw base
- is able to operate at a voltage of 12 volts or 24 volts, at or between 100 to 130 volts, at or between 220 to 240 volts, or of 277 volts for integrated lamps, or is able to operate at any voltage for nonintegrated lamps
- has an initial lumen output of greater than or equal to 310 lumens (or 232 lumens for modified spectrum general service incandescent lamps) and less than or equal to 3,300 lumens
- is not a light fixture
- is not an LED downlight retrofit kit
- is used in general lighting applications

GENERAL SERVICE LAMPS *DO NOT INCLUDE*:

1. Appliance lamps
2. B-Shape lamps with a diameter of 1.25 inches as defined in ANSI C79.1-2002 and a Candelabra screw base that consumes ≤ 40 watts.
3. Black light lamps
4. Bug lamps
5. Colored lamps
6. G shape lamps with a diameter of 5 inches or more as defined in ANSI C79.1- 2002
7. General service fluorescent lamps
8. Germicidal Ultraviolet Lamps (GUV)
9. High intensity discharge lamps
10. Infrared lamps
11. J, JC, JCD, JCS, JCV, JCX, JD, JS, and JT shape lamps that do not have Edison screw bases
12. Lamps that have a wedge base or pefocus base
13. Left-hand thread lamps
14. Marine lamps
15. Marine signal service lamps
16. Mine service lamps
17. MR shape lamps that have a first number symbol equal to 16 (diameter equal to 2 inches) as defined in ANSI C79.1-2002, operate at 12 volts, and have a lumen output greater than or equal to 800
18. Other fluorescent lamps
19. Plant light lamps
20. R20 short lamps
21. Reflector lamps that have a first number symbol less than 16 (diameter less than 2 inches) as defined in ANSI C79.1-2002 and that do not have E26/E24, E26d, E26/50x39, E26/53x39, E29/28, E29/53x39, E39, E39d, EP39, or EX39 bases
22. S shape or G shape lamps that have a first number symbol less than or equal to 12.5 (diameter less than or equal to 1.5625 inches) as defined in ANSI C79.1- 2002
23. Sign service lamps
24. Silver bowl lamps
25. Showcase lamps
26. Specialty MR lamps
27. T shape lamps that have a first number symbol less than or equal to 8 (diameter less than or equal to 1 inch) as defined in ANSI C79.1-2002, nominal overall length less than 12 inches and that are not compact fluorescent lamps
28. Traffic signal lamps

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