

Lightbulbs  
*Your FAQs answered*



NEPTUNE

[neptune.com](http://neptune.com)

## What's the difference between Neptune's lightbulbs?

Every light will only take a bulb with the correct cap fitting (the part at the base of the bulb). The fitting types we offer are explained below.

### E27

Also known as an ES bulb or Large Edison Screw, these are generally used for larger lights that need a higher wattage. They have a screw cap and are one of the most common bulb fittings.



### E14

This is also called a Small Edison Screw and is simply a smaller version of the E27 but is designed for lower wattage lights.

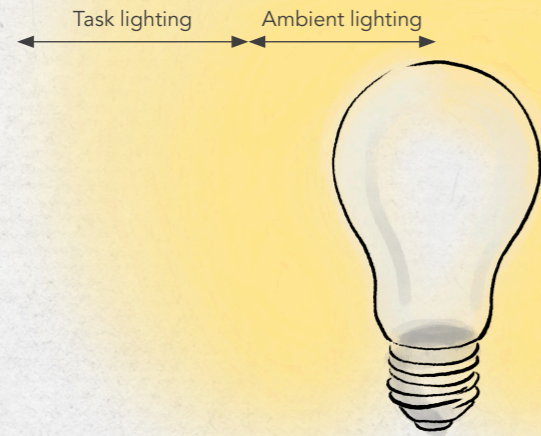


### G9

These bulbs have two looped pins at the base that are known as capsule fittings. They're usually easy to slot into a light, but if the lamp has an integrated fitting, then you may have to take the lamp apart to access the bulb. We advise contacting a qualified electrician if you're unsure.







## What are lumens?

This is a measure of how bright the bulb is – the more lumens, the brighter the light. To give you an indication of the lumen range, it goes from around 230 to 850.

## What is an 'equivalent incandescent power'?

Incandescent bulbs have been around for over a century, so they are often used as a point of reference to compare LED wattages and lumens.

LEDs have a much lower wattage but produce the same brightness as incandescent bulbs, and they last longer too – the lifespan for an incandescent is between 1,500 to 2,000 hours, whereas an LED is 15,000-30,000.

INCANDESCENT	LUMENS EMITTED	LED EQUIVANT
25W	220	1-2W
40W	450	6-9W
60W	800	8-12W
75W	1,100	9-13W
100W	1,600	16-20W
150W	2,600	25-28W



## How do I know if a bulb is going to cast a warm or cold light?

This is where the Kelvin scale comes into play. The lower the light temperature rates on the Kelvin scale the warmer the light appears, whereas the higher the number the cooler it looks.

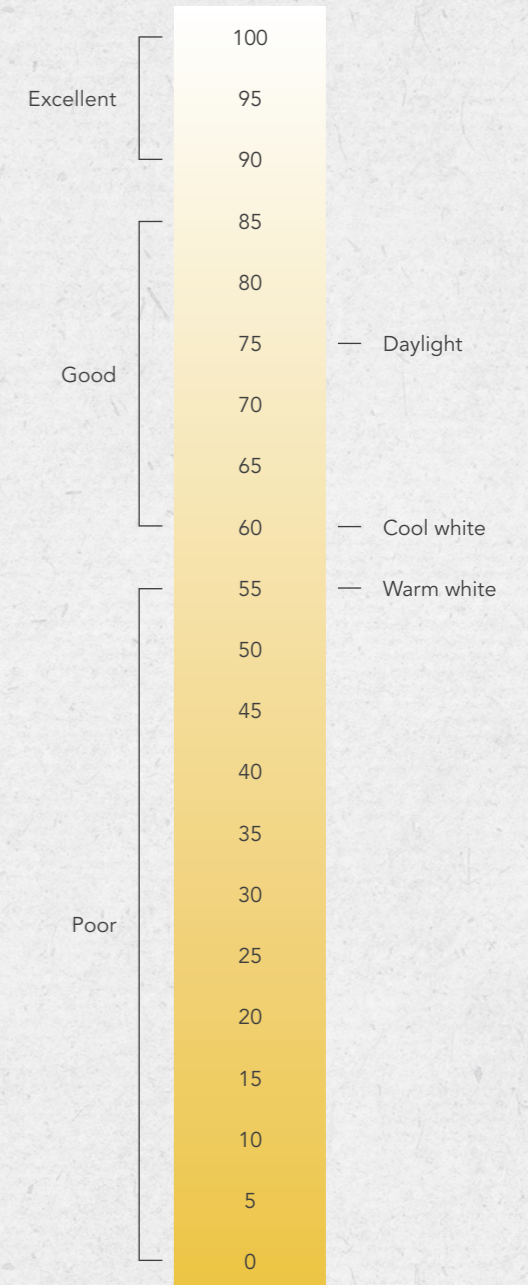
The scale ranges from 1,000 to 10,000 – our bulbs sit on the lower end at 2700, which means they cast a warm glow.



## What is CRI?

This stands for Colour Rendering Index (CRI) and measures how colours look to the human eye under a light source when compared with sunlight. It ranges from one to 100, with natural sunlight scoring at the top of the scale.

The higher the CRI, the better the colour rendering ability. Any bulb scoring around 80-100 means that the colours illuminated by it will appear almost the same as they would under sunlight.





## What's the difference between an IP20 and IP54 rating?

IP (Ingress Protection) ratings are classifications given to lights when they're tested for protection against solid objects (such as dust or dirt) and liquids (water). The higher the number, the greater the protection level. The first number generally refers to the level of protection from objects, whereas the second is relevant to liquids.



An IP20 rating (which is relevant for our G9 bulb) is only resistant to dust and has no protection against liquids and therefore shouldn't be used in a bathroom.



Our other bulbs are IP54 rated, which means they're protected from dust and other particles, as well as water sprays. So, they can be used in an area that stretches 60cm away from sink taps or outside of a bath and they can be placed above a bath or shower if it's over 225cm away.



NEPTUNE

[neptune.com](http://neptune.com)