

# CULTUREHUSTLE

Short Simple

## LIT FACT SHEET

### WHAT IS IT:

*LIT is a super powerful light emitting pigment. It turns light or heat energy into a glow.*

### HOW TO CHARGE IT:

*BLUE LIT and LIT each have a different glow. Blue LIT glows blue and LIT has a green tinge. This means that each LIT need slightly different light sources to charge them up! You can charge both LIT's with good old sunlight or if you have one a UV light. You can also use heat! LIT can be charged with a white light such as an LED light or the light on your phone, but BLUE LIT can't it needs UV from sunlight or a UV light.*

### THE SCIENCE:

*As standard with glow in the dark material to charge them, it is important which light source you use. The most effective way to charge the LIT is to use a light of greater frequency than the wavelength colour of light that the glow in the dark material emits.*

*LIT has a green light emission glow, therefore to charge it would need a light with a higher frequency green light.*

*BLUE LIT has a blue light emission glow, therefore to charge it would need a light with a higher frequency than blue light.*

*White light has a much smaller range to charge BLUE LIT, whilst LIT will readily charge in white light due to a larger frequency range available.*



**CULTUREHUSTLE**

*Street Sample*

# **LIT FAQs**

## ***Why is LIT more powerful than BLUE LIT?***

***This is not the case. Firstly due to the nature of glow materials they need a light source of higher frequency than that of the light they emit. BLUE LIT therefore won't have as strong of a charge in visible light as LIT. This doesn't mean that LIT is more powerful than BLUE LIT, it means that BLUE LIT isn't being able to get an equal amount of energy as LIT.***

***To ensure they charge to an equal degree it is best to use UV light, this therefore means that they both will also charge in daylight.***

## ***Why won't my iphone touch charge BLUE LIT?***

***BLUE LIT will charge with light in a higher frequency than the blue light that it emits. From looking at a light spectrum you are able to see that the majority of light within the visible light spectrum has a lower frequency than blue light. With that in mind using a light out of this spectrum, such as UV light, will provide a much more effective charge.***

## ***Can I use LIT in Resin?***

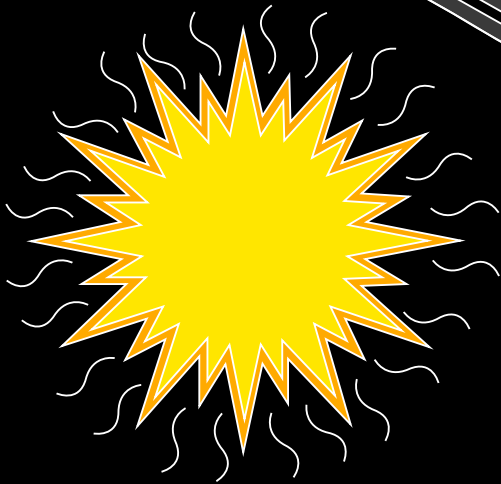
***YES!! It's awesome. Just mix resin as usual, stir in LIT powder until you are happy with the glow. Then leave it to cure.***

***Note : you do not need any water or superbase if you are using resin!***

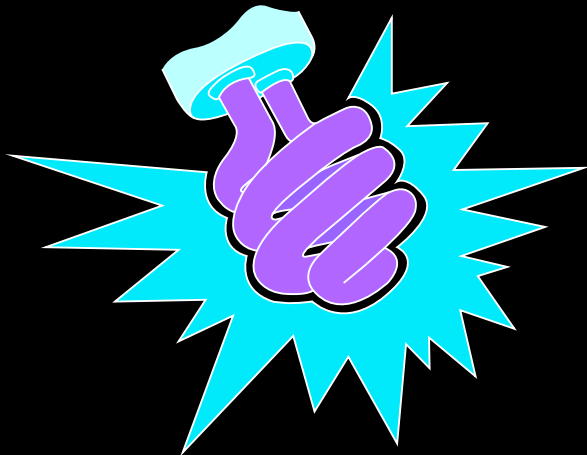
## HOW TO CHARGE LIT AND BLUE LIT



*Only LIT can charge from artificial white light, this could be from a torch or from a phone. Amazing for a faster charge.*



*LIT and BLUE LIT can be charged by natural sunlight, however it may need longer to charge.*



*Both LIT's can charge from artificial UV light, this could be from a UV torch or bulb. Amazing for a faster charge.*



*LIT and BLUE LIT can be charged using heat.*