

ZIRCON FILTERS

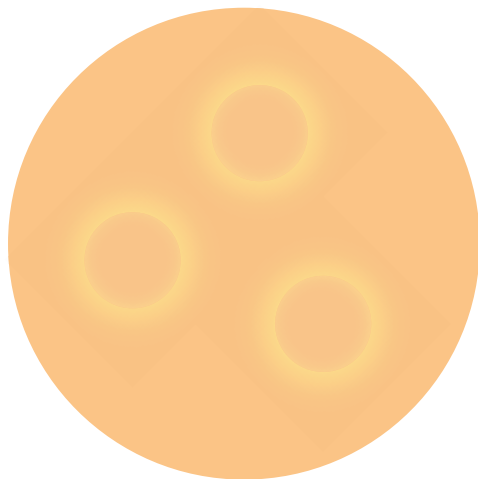
A new concept in LED filter design

With a lifespan of up to 200 times longer than standard lighting filter, the new Zircon range from LEE Filters is designed to last.



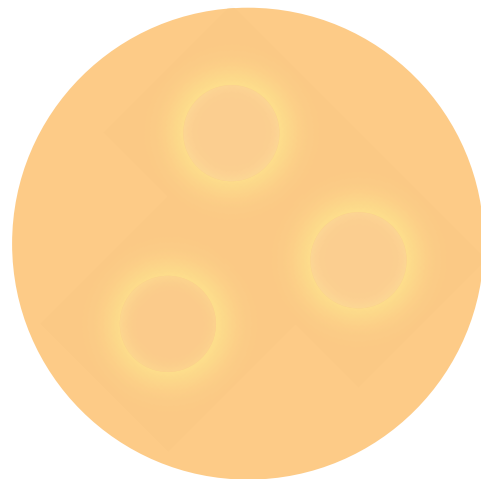
Longer life filters for LED

LED lighting has many benefits, but one of its stumbling blocks is that its intensity can contribute to the fade times of standard lighting filter. In order to overcome this, the LEE Filters Research and Development team has developed a new method of production, to ensure filters last longer when used in conjunction with LED lights. In fact, Zircon Warm Amber filters have been shown to retain at least 80% of their effectiveness after as much as eight months of continuous use on LED downlighters.



Standard Filter
204 Full CTO

Fade after 30 hours



ZIRCON FILTER
807 Warm Amber 4

Fade after 8 months (4156 hours)

Heavyweight substrate

Not only are Zircon filters longer-lasting than their standard counterparts, they're sturdier, too. Manufactured using a 180-micron material, they are more than double the thickness of a normal lighting filter. This makes them more durable and easy to use.



The Zircon Range

There are 12 filters in the Zircon range; the five Minus Green filters remove the green casts often associated with LED lighting when using a digital camera. The four Warm Amber filters correct a range of different colour temperature white LEDs so that they appear like Tungsten. While the three Diffusion filters offer different strengths of diffusion specifically designed for LEDs.

Due to the inconsistency in LED characteristics, we strongly recommend you trial the filters first to ensure the desired result.

Item	Description
801	Zircon Minus Green 1* Longer life filter for use by photographers to remove large green casts produced by some LEDs. Approx equivalent - CC10M.
802	Zircon Minus Green 2* Longer life filter for use by photographers to remove medium green casts produced by some LEDs. Approx equivalent - CC05M.
803	Zircon Minus Green 3* Longer life filter for use by photographers to remove light green casts produced by some LEDs. Approx equivalent - CC03M.
804	Zircon Minus Green 4* Longer life filter for use by photographers to remove fine green casts produced by some LEDs. Approx equivalent - CC02M.
805	Zircon Minus Green 5* Longer life filter for use by photographers to remove tint green casts produced by some LEDs. Approx equivalent - CC01M.
806	Zircon Warm Amber 2 Longer life filter for major warm up correction of cool white LED to Tungsten. Example: 5500K LED to 3000K.

Item	Description
807	Zircon Warm Amber 4 Longer life filter for medium warm up correction of white LED to Tungsten. Example: 4000K LED to 3000K.
808	Zircon Warm Amber 6 Longer life filter for correction of warm white LED to Tungsten. Example: 3500K LED to 3000K.
809	Zircon Warm Amber 8 Longer life filter for fine correction of warm white LED to Tungsten. Example: 3000K LED to 2700K.
810	Zircon Diffusion 1 Strongest diffusion on thick polyester for easy use on panels and in channels. Can be used close to LED chip to blur the pixels. Approx equivalent 216 White Diffusion.
811	Zircon Diffusion 2 Strong diffusion on thick polyester for easy use on panels and in channels. Can be used close to LED chip to provide some blurring of the pixels. Approx equivalent 416 White Diffusion.
812	Zircon Diffusion 3 Medium diffusion on thick polyester for easy use on panels and in channels. Provides reasonable diffusion properties without to much loss of light. Approx equivalent 250 White Diffusion.

Please Note: Zircon filters are designed for use on LED fittings only and are, therefore, NON-FLAME Retardant.

*May cause a change of Colour Temperature on some LEDs.

Sizes

Rolls:

3.05m x 1.2m (10ft x 4ft)

Sheets:

61cm x 61cm (24in x 24in)

Lighting Pack:

30cm x 30cm (12in x 12in)

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