

# LiteRing™



**The LiteRing™** is a circular arrangement of bright blue or green light emitting diodes (LEDs) mounted around the camera lens. The LiteRing provides all the necessary source light required to illuminate the Chromatte fabric for keying. The LiteRing is manufactured in two sizes and is compatible with most digital video and professional camera lenses.

The AC powered LiteRing Controller (LRC) allows you to adjust the intensity of light required for optimum keying results.

# LiteRing™



## The new source for effective keying!

### Advantages of LiteRing

The LiteRing works in conjunction with our reflective Chromatte fabric.

Together they efficiently use the LiteRing's narrow wavelength of light to generate a brilliant but low level and even coloured background, producing excellent chroma key results.

They achieve this due to the physical characteristics of the light, its direction and position, in relation to each other in a process called 'retro-reflectivity'.

**Configuration:** The LiteRing is a mains powered and adjustable light source, made up of blue or green LEDs, arranged around and close to the centre of the camera lens (known as the 'centre axis').

**Location:** The LiteRing is fixed to the camera and is positioned fractionally behind the front of the lens.

Lightweight and detachable in seconds, if you want to change from a blue to a green key you simply unscrew and replace with a different coloured LiteRing.

**Angularity:** The LEDs are specifically angled to beam the coloured light at the facing concave shaped glass beads on the reflective Chromatte background. The light is then reflected back along the same axis (angle) towards and into the camera lens.

**Manoeuvrability:** Traditional chroma key often requires that you relight the background for each camera set up.

With the LiteRing attached to the camera you can move from 90 degrees head on, to approximately 10 degrees from horizontal only requiring a slight adjustment on the LiteRing Controller to effect a key.

**Distances:** Ideal shooting distances depend on a number of variables including levels of ambient light, choice of keying applications, camera quality and filming formats.

As a rule the subject should be further than 2-3m (8') from the camera to avoid a blue or green cast of light. Maximum distance rises up to approximately 20m (60').

### LiteRing specifications:

#### Power source

Output 12 volts via an AC adapter for UK, Europe and US.

#### Camera lens dimensions

Small: 44.5mm-74.9mm  
Large: 60.3mm-115.8mm

#### Light Intensity

Blue LiteRing: 47 candela  
Green LiteRing: 158 candela

#### LiteRing Controller (LRC)

The intensity of the light emitted from the LiteRing can be adjusted with the LiteRing Controller. As a rule the LiteRing should be set to medium output and adjusted as required based upon distance and keying device, to achieve optimum results

For details of set up guidelines and downloadable information visit:  
[www.reflecmedia.com/litering](http://www.reflecmedia.com/litering)