

## JOURNAL ENTRY 4 - LIGHTING TECHNOLOGIES

In this journal entry, I will investigate the different lighting technologies available from Media Factory stores. I will consider which luminaries are best suited to which situations. I am aiming to reinforce my knowledge about the fixtures, however, I also aim to improve my future videos by being able to pick the best one for the job.

### Dedo Kit - 3x 150w tungsten lamps

The dedo kit contains three lamps, this is useful for three point lighting. Useful features of the kit include:

- Adjustable focus - You can control the diffuseness of the beam
- Built in barn doors - You can shape the beam
- Variable brightness
- Temperature in Kelvin - There are two temperature settings on the dimmer packs to help you accurately white balance

**Best for:** Indoor three point lighting

### Tecpro LED panel<sup>1</sup>

The Tecpro LED panels come individual with a stand and diffuser. They are great to bring along as spares and can work very well at lighting rooms if you point them at a white ceiling. These lights can be powered with a camera battery available from stores. Some advantages of this fixture are:

- It is very lightweight compared to some of the other kits
- The panel is water resistant and portable so can be used outside
- It can be plugged in for continual use or can be battery powered
- It is dimmable all the way down to 0
- The kit comes with a velcro attachable diffuser

**Best for:** Portable fill or diffuse light

### Lupolux DayLED 1000<sup>2</sup> kit - 3x Fresnel LED lamps

The Lupolux LED lights come in packs of three. They are very bright and are dimmable down to 0. An advantage of the LED kit over the tungsten one is that LED's stay the same colour temperature no matter what the brightness value. The fresnel lens allows it to be very focused or very diffuse. They can also be powered by a V-Loc battery, however extra kit is required for this.

**Best for:** Green screen or other studio/set use

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<sup>1</sup> D E D O L I G H T (no date) Available at: <http://www.dedolight.com/dedolight/default.php?la=&pg=00000400081111&id=Felloni&section=0> (Accessed: 30 October 2015).

<sup>2</sup> DAYLED 1000 (no date) Available at: <http://www.lupo.it/en/tv-video/led-fresnel/dayled-1000/> (Accessed: 30 October 2015).

### Kobold Daylight HMI<sup>34</sup>

I have not had chance to use the HMI luminaries for myself, however, looking at the website, it seems to fill a similar need to the Lupolux. However, the Kobold fixtures are weatherproof, meaning it's use could be expanded to outdoor sets. Like an LED source, HMI sources remain a constant colour temperature when dimming.

**Best for:** Indoor/Outdoor sets

### Kino Flo Diva-Lite<sup>5</sup>

The Diva-lite is a great diffuse light source. It is dimmable and has some shaping capability in the form of barn doors on two sides. The diffuseness of the light means that you can shoot quite close up and not have shadows ruining the scene.

**Best for:** Profile shots, close ups, filming inanimate objects

### Swit S-2041 LED top-light<sup>6</sup>

This camera top light is an extremely useful multi-function light. It is battery powered (uses a camera battery available from stores) and has warm, cool and diffusing panels that you can use to alter the light. It has a standard cold shoe adapter meaning it should fit onto most video and stills cameras. This allows you to light a subject from above with very little effort. You don't have to use this light on top of a camera, you could use it to simulate a practical, for example a mobile phone or torch beam.

**Best for:** Reporting/Vox Pops, mimicking practicals.

To conclude, each light has it's own area of expertise. I definitely have a new understanding of the fixtures from taking a look at the websites. The main factors to consider when choosing a luminaire for me would be:

- Indoor/Outdoor
- Portability
- Power type

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<sup>3</sup> Daylight HMI , DW 400 lamp base (without reflector) - kobold broadcast (no date) Available at: [http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-400-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP\\_Wq7hBhE](http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-400-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP_Wq7hBhE) (Accessed: 30 October 2015).

<sup>4</sup> Daylight HMI , DW 800 lamp base (without reflector) - kobold broadcast (no date) Available at: [http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-800-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP\\_0a7hBhE](http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-800-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP_0a7hBhE) (Accessed: 30 October 2015).

<sup>5</sup> Diva-Lite (no date) Available at: <http://www.kinoflo.com/Products%20Button/Fixtures%20Built-In/Diva-Lite/Diva-Lite.html> (Accessed: 29 October 2015).

<sup>6</sup> Chip array LED on-camera light (2041) Available at: <http://www.swit.cc/productshow.aspx?id=183> (Accessed: 31 October 2015).

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5. Daylight HMI , DW 800 lamp base (without reflector) - kobold broadcast (no date) Available at: [http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-800-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP\\_0a7hBhF](http://www.bron.ch/kobold-broadcast/products/daylight-hmi/showproduct/dw-800-lamp-base-without-reflector/?cHash=21d8b348c48bfb43d4c43ffe04eee13f#.VjP_0a7hBhF) (Accessed: 30 October 2015).
6. Diva-Lite (no date) Available at: <http://www.kinoflo.com/Products%20Button/Fixtures%20Built-In/Diva-Lite/Diva-Lite.html> (Accessed: 29 October 2015).