

## COEMAR REFLECTION LEDKO

Occasionally we get a chance to play with something very new. LEDko is a LED profile spot that replaces a 650 watt profile - and does a whole lot more!



By Jimmy Den-Ouden

LEDko is the term given to a new range of LED fixtures from lighting manufacturer Coemar. Coemar has a long history in theatre, such that I remember using their fixtures as a youngster. LEDko is evidence of how good a product can get with some experience backing it.

The LEDko is a 2 part fixture - there's the 120W LED "lamp base" and a selection of lens tubes which can be attached. The base is available in 3 models: 3200 does white light at 3200 degrees Kelvin. Variwhite gives you a white light in a range of colour temperatures between 3000 and 7000 degrees Kelvin. The FullSpectrum model gives you 4 colour mixing. We spent a lot of time playing with the Variwhite unit since this was the most interesting to us. The fixture produces light output

equivalent to a 650W profile fixture. But unlike a 650W profile, it operates of a meager 198.6 Watts (or roughly a third of the power). So it starts to save you money the second you switch it on.

Coemar has been quite clever with their lens system. The unit is available with a fresnel or PC spot lens tube - these are made of plastic so are relatively lightweight. They also have shutters incorporated, which is something you won't commonly find on either of these lens style lamps. This in itself opens up some new options for designers. The third lens option is just a tube, designed to accept ETC Source4 lens assemblies. So for anyone who has invested heavily in Source4, the investment doesn't become redundant. Now you just have another lamp option.

The fixture has PowerCon input and loop through, and the recommendation is that you can

cascade up to 8 units off one power feed. DMX is delivered and looped via 5 pin XLR as it should be. The setup menu is a 4 character LED display with 4 menu buttons - all pretty simple to use. The 3200 degree unit operates off a single channel, the RGBW uses 4 channels and has a selection of colour mixing options. The Variwhite unit uses one channel for intensity and a second for colour temperature as well as strobe effects. We think there are some other DMX options for some of the fixtures, but the user manuals have yet to arrive in the country.

The quality of light out of the fixtures is good. Good enough that you would have a hard time picking the difference between the LEDko and a conventional tungsten fixture. LEDko can even fade like a tungsten fixture if switched that way, and this is what allows it to integrate seamlessly with tungsten units. There are selectable dimming curves, so on the Variwhite



LEDko with ETC 90 degree lens attached



Ever seen a PC or Fresnel with shutters before?



Back panel - PowerCon & XLR in & loop throughs

model you can even have it change colour temperature as it dims. All this braininess does come at a price - LEDko is quite heavy for what it is. It feels heavier than a normal 650W profile - not by much but it is noticeable.

## Cool it

Or just don't bother. LEDko doesn't generate any appreciable level of heat. This means several things: reduced running costs for building aircon since you're no longer countering the heat generated by fixtures. You can also focus the unit even when it's been on for 10 hours

with absolutely no danger of burning yourself. Printable gobos require much less frequent replacement.

The LED lightsource is rated for around 50,000 hours so there's no lamp replacement cost to worry about. In 50,000 hours of runtime from now the next generation of light sources will no doubt be refined enough to consider upgrading anyway.

Anyone selling these new era digital

## What &amp; Where

Brand: Coemar  
Model: Reflection  
LEDko  
RRP: \$3000.00

Product Info:  
www.coemar.it

Distributor:  
www.prg.com



Online readers click HERE to see the GEARBOX TV review of this device!

LED lights would probably have a cost benefit analysis that doesn't just show lamp replacement and electrical savings. You would be wise to put a cost on labor saved and on OH&S risk reduction.

For now though, LEDko combines everything we love about LED with everything we love about tungsten fixtures. We think it's an epic win for designers, riggers, lighties and even the beancounters. CX

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