



News Release:
Light-Based Technologies' LB3CSA1 ASIC Redefined as
Analogue DC Voltage to Preset Three (3) Phase Current Converter

April 25, 2007 - Vancouver, BC, Canada

Light-Based Technologies has redefined their newest technical innovation, the LB3CSA1 ASIC, to the Analogue DC Voltage to Preset Three (3) Phase Current Converter. This will help markets better understand the true capabilities of this IC's functions.

Excerpts from the new LB3CSA1 Data Sheet available at www.lightbasedtechnologies.com/i/LB3CSA1DS.pdf redefine the LB3CSAI as:

"a device which allows users to input analogue DC voltage to offer a controlled mix of 3 phase analogue, linear current output for driving such devices as RGB LEDs. This SOP8 ASIC has two modes: (1) Linear Mix Select from 0.0 to 2.5 volts and (2) Output Cycle at 2.5 volts. The linear outputs are arranged to directly represent all elements of an analogue, color light spectrum.

A variety of interface circuits enable the LB3CSA1 to accept a number of input DC voltage values as a direct correlation to an analogue, 3 phase output value. There are also a variety of interface circuits which enable the output to drive a variety of loads, including RGB LEDs, matrix displays and more. Collectively, these input and output interface circuits enable users to create innovative products for the lighting and IT industries."

Our ASIC technology has many benefits. Aside from the small, 5mm X 5mm size and minimal cost, the following capabilities are outlined below:

- Uses a pure analogue, therefore seamless, color/3 phase generation technology offering the entire color spectrum in a single greyscale value
- Offers full spectrum color control and built-in cycling to all forms and sizes of light loads including LEDs, neon tubes, matrixes and more
- Enables open-ended interfacing and control including direct audio input, optical input, video input, pulse width control, brightness control, IR control and more
- Presents a simple, small, cost-effective replacement to limited, complex digital technologies

Currently, Light-Based Technologies is offering the ASIC and its related modules as products and licensing opportunities, as well as providing complete Customer and Engineering Support Services in North America and East Asia. For more information on our products and services, please contact us directly at info@lightbasedtechnologies.com, or visit our updated website at www.lightbasedtechnologies.com.

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