

## Seoul Semiconductor's Acrich2 Achieves the Highest Efficacy in an AC LED Module

- Energy consumption is reduced by up to 50% with a power factor of 0.99 -  
Improves compatibility with triac dimmers and adds a DC dimming interface



Seoul Semiconductor Acrich2-- a 120V, 16W AC LED Module

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Seoul Semiconductor (<http://www.acrich.com>), a leading LED manufacturer, has announced that its latest Acrich2 AC LED module is now available for volume production orders with 100 lm/watt performance. Acrich2 provides lighting designers a light source with high efficacy, outstanding power factor and improved Total Harmonic Distortion (THD) performance.

In traditional solid state lighting solutions, additional components and costs are required to provide an offline driver solution with acceptable dimming performance. The Acrich2 AC module also provides a DC dimming interface that allows the designer to easily integrate new dimming functions such as touch sensor and WiFi controlled dimming.

The power factor improvement (to as high as 0.99) will benefit electric providers by saving electricity costs. Conventional LED lighting products have power factors as low as 0.5 and mostly in a range from 0.70 to 0.80. Seoul Semiconductor's Acrich2 AC LED module with high power factor helps the performance of the power grid.

These new Acrich2 modules operate effectively due to Seoul Semiconductor's critical 'Integrated Multi-cell' technology that the company has been researching for over 10 years. The result is a superior Acrich product that operates on both alternating current and direct current. It also enables operation at a wide range of voltages.

4W to 16W Acrich2 AC modules are available now. The production line is ready to take orders for mass production quantities. Depending on a customer's demands for various Acrich2 solutions, customized modules are also available. To learn more about Acrich2 AC modules, visit <http://www.acrich.com/en/product/prd/acrich2.asp>.