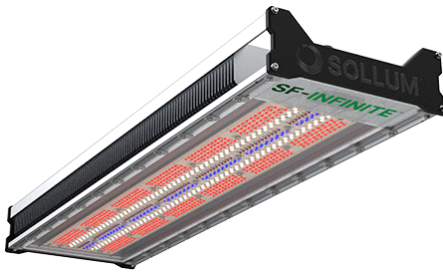


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Sollum SF-INFINITE LED Fixture

Dr. Jake Holley



Sollum has recently launched its newest LED fixture, the SF-INFINITE. The fixture brings together many of the features growers have come to expect from modern LED technology, along with some capabilities that allow for more advanced lighting strategies. As usual, the first place I went to learn more was the spec sheet.

The SF-INFINITE boasts an electrical efficiency of $3.5 \mu\text{mol/J}$, which has become something of an industry benchmark for top-tier fixtures, with the potential to reach $3.9 \mu\text{mol/J}$ when using dimming capabilities. For perspective, just 10 years ago anything above $2.5 \mu\text{mol/J}$ was considered leading-edge technology. The rapid improvements in efficiency over the past decade continue to show just how quickly LED technology has advanced.

Beyond efficiency, the fixture also features dynamic intensity control across four channels. When paired with Sollum's broader lighting platform, this allows growers to implement sophisticated strategies, such as real-time DLI management and spectrum tuning throughout the photoperiod. For growers interested in dialing in lighting for both plant physiology and operational efficiency, that level of control could open the door to some interesting applications.

Check out Sollum's website at sollumtechnologies.com for more details. **IG**