

SMART DEVICE

Allowing easy transformation of luminaires into smart digital nodes



Smart Lighting Module



Smart Sensor Module



Smart Control Module



Smart Bridge Module

SAMSUNG

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LTF's COBi Chip on Board LEDs Offer Dim-to-Warm and CRI 95+, R9 95+

All these features packed into one little chip? That's amazing! How do we do it? We're not telling. But here's what we can tell you... LTF's COBi is the all-in-one solution featuring: Single channel Dim-to-Warm - 3000k dims to 1800k | Museum grade color rendering, CRI 95+, R9 90+ | Powerful 1800 lumen output | Ideal for new and retrofit applications | Perfect COB for your light engines.

[Learn More at LTFtechnology.com](http://LTFtechnology.com)

Welcome to the *LEDs Magazine* weekly newsletter for Aug. 29, 2018. The clock is ticking on the Early Bird deadline to [enter the LEDs Magazine Sapphire Awards 2019](#). Submit your product nominations and your nominations for the coveted Illumineer of the Year award by Sept. 14 and get a \$100 discount.

As we get ready for the calendar to strike September, we'd expect the volume of new product releases to increase and perhaps we're seeing the beginning of that trend this past week including some packaged LED news. [Cree has expanded its XLamp XP-G3 family with a new S Line of LEDs](#) that the company says are more reliable in harsh outdoor environments and more tolerant of on-off cycles that are commonplace in a smart lighting application where autonomous controls switch the LEDs based on occupancy.

In that same packaged LED story, we also covered the launch by LG Innotek of 405-nm LEDs intended for the continuous disinfection market. As we wrote after LightFair International earlier this year, that [disinfection market has suddenly drawn the attention of a number of players in the solid-state lighting \(SSL\) sector](#). We have to wonder, however, about the intellectual property situation in the application.

We published an [interesting horticultural lighting case study on a legal California cannabis farm](#). A two-layer vertical farm approach enabled by LEDs effectively doubled yield per square foot.

And don't forget to register for our Horticultural Lighting Conference that will take place Oct. 9 in Portland. We have some [outstanding speakers led by keynoter Erik Runkle of Michigan State University](#).

We also have several business news stories for you, especially from the eastern side of the Atlantic. [Zumtobel and its former CEO Ulrich Schumacher have agreed to disagree](#) about the reason that Schumacher was relieved of his duties early this year. Schumacher has sued, citing unfair dismissal, whereas Zumtobel says he was fired for gross negligence.

We also reported that [new Fagerhult CEO Bodil Sonesson will take that company's helm on Oct. 8](#). Sonesson will arrive with a solid background in Internet of Things (IoT) technologies. Meanwhile, Fagerhult said its business turned up in the second quarter everywhere but in the UK where Brexit jitters exist.

Our fall webcast schedule will get off to a strong start in September with two near-term events. [Dr. Octavio Perez of Mount Sinai Hospital will present](#) on lighting for health and wellbeing Sept. 11. And then on Sept. 13, we will have a

presentation covering the [latest in light source options for displays](#), especially those used in IoT-type applications.

Make sure you are familiar with our [digital magazine platform](#) which is the first place our new issues roll out. That magazine-style user interface provides the simplest means to peruse our issue content and subscribers get seamless access to the current issue and archives.



Headline News



Zumtobel cites 'gross negligence' as reason for firing CEO

Former boss Ulrich Schumacher is alleging unfair dismissal in two legal actions against his former employer, Zumtobel. The gloves are off.



LED business news shakes up with IP cases and allegations

In the latest round of LED business news, Lumileds has been awarded more than \$60 million in a California court; while Cree has an investigation into IP theft underway, and reported a 14% uptick in revenue in its fourth-quarter financial statements.



Signify unveils some 20 new Hue models

Many of them will connect to the Internet, so there's still a data play. But it's a reminder that the lighting industry is still tending to illumination, even as reaches for the IoT brass ring.



Top Stories

Packaged LED news: Cree toughens XP-G3, LG Innotek targets continuous disinfection

A new S-Series addition to the Cree XP-G3 LED portfolio better suits harsh outdoor environments and repeated switching cycles associated with the IoT, while LG Innotek has launched a violet LED targeting visible-light continuous disinfection.

Fluence publishes cannabis horticultural lighting research, names new COO

LED lighting is shown to increase yield and secondary metabolites in a Fluence Bioengineering installation at Eve Farms' cannabis vertical farm, and the company has named David Cohen COO.

Fagerhult sets start date for new CEO, as Brexit strikes an otherwise decent quarter

Bodil Sonesson will bring her IoT savvy to the Swedish lighting company starting Oct. 8.

Resources

Unlock the potential of lighting for health and wellbeing

In a webcast on Sept. 11, Philip Smallwood will summarize the current state of the human-centric lighting market and technology commercialization, and Octavio Perez will explain how the findings on light effects have inspired full-spectrum LEDs and lighting designs that benefit the human condition indoors.

Horticultural lighting speakers add new depth to a growing SSL market

In a recent blog, we've covered the latest speakers who will be providing up-to-date insights on business, technology, and operational considerations at October's Horticultural Lighting Conference.

Tech leaders drive the display discussion

On Sept. 13, webcast speakers Mike Casper and Bob O'Brien will cover competing display technologies, plus display evolution, the influence of market factors on development, and commercial challenges across several technologies. They will also discuss reflective displays and how reducing backlight may impact the device market and human experience.

The packaged LED space builds on high-value application demands

It certainly has been demonstrated that packaged LED development has shifted over the past 10 years beyond delivering light output that can serve in general illumination applications. Recent product development activity supports this claim.

Industry News & Products

Find out what companies are doing in the LED & lighting industry

[Seoul Semiconductor offers tiny Nanodriver IC that meets Title 24 compliance for flicker](#)

[Voltacon Imperol LED ceiling light features tricolor option and dimmability in elegant pendant form factor](#)

[Luxtech flexible RGB LED tape has 24V constant-voltage DMX control capability](#)

[LG Innotek releases 'eye pleasing' packaged LED emitting light reported to positively impact eye health and circadian rhythms](#)

[TE Connectivity accelerates customer prototyping with new multi-sensor module development kit](#)

[EPtronics announces latest LP Series of programmable LED drivers](#)

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