Lighting management at ease

More than simply turning the lights on and off, 75F's advanced system considers factors about a building before determining the ideal time to adjust the lighting.

The 75F Advanced Lighting solution includes a complete system to add multi-zone control for lighting in fixtures and signage to any facility. Selected lighting zones (circuits) can be scheduled for ON/OFF control using 75F Facilisight, their suite of web and mobile apps. Managing lighting is easier for facility managers with the 75F Lighting Control Module (LCM).

Key Benefits

- Combine & save: Merge lighting and HVAC control into a single software platform. 75F Facilisight becomes the source for all energy information on the building(s).
- Energy savings: Just like 75F's HVAC solutions, Advanced Lighting saves energy and leaves one the time and money to better grow the business.
- Easy installation: With the capability to run up to 18 different circuits through a single LCM, 75F's solution makes managing your lighting simple and scalable.

Weather and geography

75F examines the orientation and geographical placement of a building. Then they combine that with the local weather forecasts and sunrise/sunset times to keep real-time scheduling and ensure that the system only runs when it needs to.

Never left in the dark

Each node in 75F's system is smart enough to operate independently. Should you ever lose total connectivity, their system reverts to standalone operation.

Remote management & control

Increased efficiency with the ability to manage the entire lighting system with 75F Facilisight, their suite of web and mobile apps. Not only can one make scheduling changes remotely, they can manage the scheduling of hundreds of buildings with a single click. ∎

Source: www.75f.io

A human centric light spectrum designed to mimic sunlight

Bridgelux announced Thrive, a family of white point options for surface mount devices (SMD), V Series, Vero Series and Vesta Series chip-on-board (COB) products designed to closely mimic the sun and provide a new class of full spectrum, human centric light emitting diode (LED) white point solutions.

Using proprietary chip, phosphor and manufacturing technologies, Thrive closely mimics the spectra of the sun without violet light augmentation. Thrive produces lower blue light intensity at shorter wavelengths and delivers a smoother spectrum over the visual wavelength range, enabling a close spectral match to sunlight.

Thrive offers:

- Full spectrum 95 CRI light quality with similar efficacy compared to 90 CRI light sources
- Excellent CRI and TM30 metrics with R1 to R15 greater than 92, Rf 96-98 and Rg 99-102
- Lower Circadian Action Factor (CAF) and Melanopic Ratios (MR) in warm white color points, and higher CAF and MR values in neutral and cool white color points, which are optimised for human well-being
- 2700K, 3000K, 4000K, 5000K, 5700K, 6500K CCT options. ∎

Source: www.bridgelux.com

'Brightest, Reliable' RGB LED Module

Lumileds has recently announced the LUXEON MultiColor Module 0.5W, a module that is designed to produce the highest luminous intensity of reds, greens and blues with consistent colour. The module is comprised of a 3-in-1 RGB in a standard 3535 PLCC6 package. The LUXEON MultiColor Module 0.5W outperforms all competitors, producing red light of 1,000 mcd, green light of 2,300 mcd and blue light of 500 mcd at 20 mA drive current (typical Vf of 2,1, 2.8 and 3.0V, respectively).

Reliability is a key differentiator for the LUXEON MultiColor Module 0.5W. Testing in hydrogen sulphide environment reveals superior maintenance of flux and forward voltage of the red, green and blue LEDs. "Long term performance in the application depends on a robust, reliable package design and in this arena, Lumileds stands alone," said Jennifer Holland, Product Line Director of Lumileds.

The compact module features a black matte surface, a flat light-emitting surface and water-resistant design (IPX8 rating), for use in a number of video wall and illumination applications. ∎

Source: www.lumileds.com