

building OPERATING management

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David Rainer, North Carolina State, takes a holistic approach to security

MASTER PLANNING

FMs explain how to set the stage for successful projects

Rethinking
HEALTHCARE DATA CENTERS

4 Steps to Switch to
NEW SERVICE
PROVIDERS

Stores Go **GREEN**



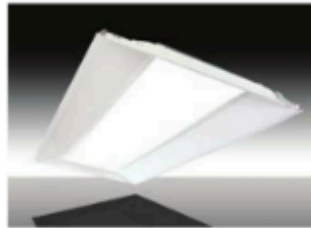
»e. **CREE** LR22 Troffer incorporates a recessed, fully luminous, highly diffuse flat panel design that seamlessly blends into any ceiling. Offered in both neutral and cool color temperatures of 3500K and 4000K with a 90 CRI, in a 2-by-2-foot configuration with efficacy of 100 lumens per watt. Features on-board 0-10V dimming capabilities.

»f. **MAXLITE** LED Lensed Retrofit Kit (LRK) is edge fit and installs into existing troffers without the need to enter the ceiling spaces. With a profile measuring less than three inches in depth, the LRK is designed to fit standard 2-by-2 and 2-by-4-foot troffers. Offered in 25- and 35-watt outputs, in 3500K, 4100K and 5000K.

»g. **LEDTRONICS** High-Power LED T5 Appliance Bulbs have a compact design for tight spaces and consume 3.4 watts, replacing incandescent and halogen bulbs up to 30 watts. The LED20T5 tube-style bulbs come in 3000K and 6000K, with a 360-degree no-shadow beam pattern, and an 80+ CRI. Available in standard bases.

»h. **TERRALUX** The SL Fixture linear stairwell and garage fixture line is available in one, two, and four foot lengths. All have options for an integrated occupancy sensor and battery backup. Outputs range from 1,500 lumens to 4,000 lumens, and efficacy is greater than 100 lumens/watt.

»i. **LUNERA LIGHTING** The Helen Lamp GX23 is a plug-and-play replacement for 13W CFL and supports both ballast-driven and line-voltage-driven configurations. The product, which operates at 5 watts, was designed using thermally conductive plastic instead of aluminum for the heat sink to reduce weight and cost. Delivers up to 535 lumens, in color temperatures from 2700K to 4000K with a CRI of 82.



»j. **HESS AMERICA** The Riva is an LED pole-mounted luminaire available in 3000K and 4000K. The matte acrylic cylindrical lens diffuses light uniformly. The inverted taper steel pole is available in heights of 8 or 10 feet, and is corrosion resistant. Universal high power factor electronic driver accepts 120V through 277V input at 50/60Hz while providing 700 mA drive current to the LEDs. Power consumption is 56 watts. HID and CFL models also available.

»k. **JESCO** The INFINA Hardwired LED system operates directly from standard 120 line voltage, with a single electric line powering a continuous run of 150 feet or more. LEDs are embedded in a flexible, clear thermoplastic. They produce output of 550 lumens from 4.95-watts per foot, and have an efficacy of 112 lumens per watt, with a CRI of 80+. Available in 2700K, 3000K and 4000K.

LITHONIA LIGHTING The Breez Series LED luminaire (BZL) has a gull-wing reflector design and highly-reflective optical coating to create a fully-indirect optical system, with no lens, diffuser, or refractor. The BZL comes standard with a 0-10V digital eidoLED driver that provides flicker-free dimming to one percent. Optional nLight technology allows it to communicate with Acuity Brands control devices.

CAST LIGHTING LED Impressionist Wall Wash Light (CWL6) provides light level control at the fixture, through a dimming circuit accessed through a plug at the base of the light. Dimmable in five percent increments. The fully sealed light can be used in any orientation (upward or downward facing). Multiple mounting kits available.

TCP G2 4 base LED lamps are available in an A-lamp shape. TCP LED bulbs with a GU24 base have low heat generation and excellent color consistency, according to the company. They are fully dimmable, with no warm-up time.

