More Than 40 Commercial LED Lighting Products Recognized by Second Annual Next Generation Luminaires™ Design Competition

SANTA CLARA, Calif. – Forty-seven commercial LED lighting products – more than double last year's total – were recognized for excellence by the second annual Next Generation Luminaires (NGL) Solid State Lighting (SSL) Design Competition, it was announced today.

Sponsored by the U.S. Department of Energy, the Illuminating Engineering Society of North America, and the International Association of Lighting Designers, the NGL competition was launched in 2008 to promote excellence in the design of energy-efficient LED luminaires for general illumination in commercial lighting applications.

In its first year, the competition recognized 22 products from among a total of 68 entries. In 2009, as the number of commercial LED lighting products on the market increased, the number of NGL entries nearly doubled – to 126, coming from 60 different lighting companies. Of these entries, 43 were chosen as "recognized" winners and four of were chosen as "best in class."

The best-in-class winners came from four different manufacturers and covered four different areas of lighting: Finelite, Inc., was selected for its CURVE task lighting fixture; SPILIGHTING Inc., for its Stile Styk wall washing fixture; GE Lighting Solutions for its Evolve™ LED R150 Roadway luminaire for street/roadway; and Wide-Lite (a Philips group brand) for its VizorLED for parking garages.

In the "recognized" category, Cooper Lighting, Lighting Services Inc, and Amerlux Global Lighting Solutions earned praise for their accent lighting. DaSal Industries and USAI were recognized for recessed accent lighting. Tempo Industries, Inc. was acknowledged for its cove lighting. In wall washing, Visa Lighting, Finelite, Inc., and Edison Price Lighting were commended. Two wall grazing fixtures were recognized, one from Specialty Lighting Industries and one from Pure Lighting.

In the specialty lighting arena, Edge Lighting and ReLED Systems were recognized for indoor fixtures, while Planet Lighting was recognized for its outdoor fixture. Under cabinet lighting garnered two winners: GE Lighting Solutions and Finelite, Inc. GE Lighting Solutions' refrigerated display lighting was also recognized.

Downlights were popular with designs by Cree LED Lighting, Sea Gull Lighting/JuiceWorks, Edison Price Lighting, Intense Lighting, Cooper Lighting, and Philips Lightolier. In general illumination, Zumtobel Lighting was recognized for two fixtures; SPILIGHTING Inc., and Litecontrol were also acknowledged. Recognized winners in industrial lighting were Digital Lumens, LightWild, and Albeo Technologies.

Five designers were recognized for their street/roadway lighting fixtures, including Cooper Lighting, Philips Hadco, BetaLED®, LED Roadway Lighting Ltd., and Philips Lumec. Recognized winners in pedestrian-scale outdoor lighting were Sternberg Lighting and GE Lighting Solutions. GE Lighting Solutions and LSI Industries, Inc. were recognized for parking lot lighting fixtures, while Ruud Lighting and LSI Industries, Inc. earned recognition in utility canopy lighting. Cooper Lighting stood out in wall-mounted area lighting and Winona Lighting was acknowledged for ingrade lighting.

Awards were presented at the Strategies in Light conference in Santa Clara, February 10-12, 2010. The competition was created to recognize well-designed, energy-efficient, and attractive commercial solid state lighting that uses a fraction of the electricity of standard incandescent, halogen, and high-intensity discharge fixtures. By encouraging new designs and technologies, Next Generation Luminaires™ aims to increase market acceptance and awareness of LEDs for general illumination lighting.

Steering Committee

Nancy Clanton, PE, IALD, FIES, LC, LEED AP
  founder and president of Clanton & Associates, a lighting design firm

Melanie Taylor, IALD, LEED AP, representing IALD
  lead designer at Lighting Design Studio for WSP Flack + Kurtz, Seattle

Avraham Mendall Mor, IALD, IES, LEED AP, representing IALD
  partner with Lightswitch Architectural, an architectural lighting design firm

Melissa Hertel, LC, LEED AP, representing IALD
  senior marketing manager of energy and sustainability for Lightolier

Dan Blitzer, LC, representing IESNA
  principal of The Practical Lighting Workshop, LLC

Ruth Taylor, PNNL, IESNA, representing DOE
  program manager, DOE's Pacific Northwest National Laboratory

Judges

Chip Israel, LC, LEED AP, IALD
  president and founder, Lighting Design Alliance

Barbara Cianci Horton, LC, IALD, IESNA
  president and CEO of HLB Lighting Design, Inc.

Jeffrey L. Brown, IALD, IESNA
  principal of Colorlume Inc., an architectural lighting design firm

Jeff McCullough, LD, CEM, CLEP

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senior research engineer, DOE's Pacific Northwest National Laboratory

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    consultant in support of Lighting Portfolio PG&E

Bob Berger, IESNA
    president of Independent Testing Laboratories, Inc. (ITL)

Lara Jacobson Cordell, LC, LEED AP
    director of technology/national accounts executive, Wiedenbach-Brown Co., Inc.

Kevin Houser, Ph.D., PE, LC, LEED AP
    associate professor of architectural engineering, representing Penn State

David Brumbelow, IESNA
    project manager for Grenald Waldron Associates, an architectural lighting consulting firm

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Best-in-Class and Recognized Fixtures

The judges evaluated white light, general illumination products available for specification in the commercial market. The panel initially selected 47 products from the 126 reviewed as "recognized," meaning the panel would recommend these 47 products to other specifiers. To be recognized in this category, a product needed to attain at least the judges' minimum evaluation in all performance categories and to meet or exceed ENERGY STAR® criteria, where applicable.

From all the recognized, market-ready products, the judges were asked—at their discretion—to identify any that they considered "best in class." To attain this level, a product had to both stand out from the others and be evaluated at the top of a majority of evaluation categories. Thus, products named "best in class" had to be more than just the highest ranked of the group. Not all entry categories were awarded a best-in-class winner.

Best-in-Class winners

	CURVE by Finelite Inc. *Task Lighting* The Curve by Finelite is a portable desk lamp, producing a useful, rectangular beam of light over task area. Light levels can be adjusted by touch-activated dimming. The luminaire head and stem swivel, and the stem flexes to a height of 17" or an extension of 16". Power supply is a separate component; LED module is field replaceable.
	Stile Styk, STILE a Brand of SPILIGHTING, Inc. *Wall Washing* Stile Styk is a linear, wall-mounted IP66-rated luminaire suitable for wall washing, illuminating white boards and other applications. The 1.5" diameter housing is field adjustable and locks in place. Shown here with a remote power supply enclosure, Stile Styk is available in a range of white and colored light options, sizes, wattages, and mounting configurations.
	Evolve™ LED R150 Roadway Luminaire by GE Lighting Solutions *Street/Roadway Lighting* The GE Evolve™ LED Series Roadway Medium Cobrahead provides good pavement uniformity, effective glare control, and reduced light trespass. The Evolve light engine consists of nested concentric directional reflectors that minimize the visibility of discrete LEDs. Low-profile, die-cast housing with easy access to driver and light engine.

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	VizorLED Philips Wide-Lite *Parking Garage Lighting* VizorLED is designed specifically for parking garage and undercanopy lighting. The Non-Direct View (NDV) optical system hides the LEDs from direct line-of-sight, significantly reducing glare, while maintaining luminaire and application efficacy. Five percent uplight also improves visual comfort. Control options include a dimmable driver and integral Proximo occupancy sensor with programmable low setting.

Recognized Winners

Indoor
Accent Lighting

	Halo Stasis LED Luminaire by Cooper Lighting Stasis LED is a track-mounted accent light, available in three beam spread options (factory configured only). The 18-watt 8° beam creates 36,000 candelas and 933 lumens; a smaller, lower wattage also is available. The 7" die-cast and extruded-aluminum luminaire offers a tilt-guide, lockable aiming, and accessory for beam control media.
	LumeLEX 2000 by Lighting Services Inc. The LumeLEX 2000 is a track-based LED luminaire with remote phosphor technology. The reflectors are field changeable to modify the beam spread distribution (narrow, medium, and wide). The LED module and driver are both field replaceable.

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**Contour 3x3 by Amerlux Global Lighting Solutions**
Contour 3x3 is a fully adjustable accent light for track or canopy mounting. The 25-watt narrow flood creates a 16˚ beam with 10,000 candelas and 1000 lumens; also available with 30˚, 45˚, and 60˚ beamspreads. The 6"-tall luminaire uses extruded and sheet aluminum construction, allows for dimming to 20% and includes a snoot for additional shielding.

Recessed Accent Lighting

Matrix MX1-XIC by DaSal Industries
Matrix MX1-XIC is a recessed multiple-unit accent luminaire using remote phosphor LED technology. Independently adjustable modules allow for 360° horizontal and up to 23° vertical aiming. Six modular configurations are available.
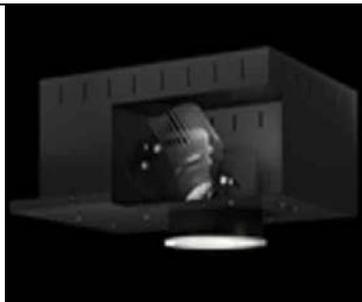
BeveLED™ by USAI
The BeveLED™ recessed adjustable accent light offers a 15˚ or 30˚ beam with 362˚ horizontal rotation and a lockable, 40˚ vertical tilt. The 4.5"-round or square apertures are available with die-cast aluminum trims in a variety of finishes and a trimless option. The luminaire is 6" deep; light engine and driver are field replaceable.
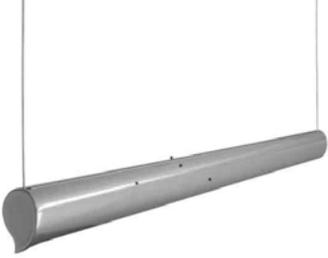
Cove Lighting

Series 6000 Cove by Tempo Industries, Inc.
Series 6000 is a line-voltage system featuring integral LED driver and power supplies; no external power supplies are required. A single 120V feed can run lengths up to 120 feet. The 12"-long die-cast comes in up to 6' factory preassembled lengths which articulate, permitting up to 90° curved installations. Series 6000 is 2" wide x 1.6" high. A 20˚ tilt-aimed model is available.

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Wall Washing

	Advantus Linear LED by Visa Lighting Advantus Linear LED is a wall-mounted luminaire well suited for lighting large vertical surfaces. The 3.5" diameter extruded aluminum housing can rotate 360˚ (aiming guide is provided) and extend from 4" to 36" from the wall. Driver is remote and the LED module is field replaceable. Available with or without glare-shield visor.
	MURO by Finelite, Inc. Finelite's MURO is a wall washing luminaire available in 4' and 8' individual sections with pendant, ceiling-articulated-arm and wall-articulated-arm mounting options. The power supply can connect to additional luminaire sections in lengths up to 16'. The LED module is field replaceable.
	LED Round WL/5 by Edison Price Lighting LED Round OS WL/5-800 is a 5" aperture-lensed wallwasher with low aperture brightness and uniform illumination of vertical surfaces up to ceiling line. Both the LED module with integral heat sink and the driver can be replaced through the fixture aperture. The wall washer optics can be converted to a downlight in the field. Recessed depth is 6".

Wall Grazing

	805-LED-APH by Specialty Lighting Industries This 2"-wide linear wall grazer creates a continuous curtain of light from a minimal aperture and is suitable for wall heights up to 10 ft. The 805-LED-APH includes replaceable LED modules and fully dimmable, integrated drivers. The IC, airtight housing is 4" deep, may be used in a variety of ceiling types, and is built to order in 1-ft. increments.

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Stratus by Lighting

The Stratus LED Linear Wall Grazer highlights textured walls or other vertical surfaces up to 30 ft. high. It uses a multi-reflector optical system for beam control. The LED modules are dimmable, field replaceable, and available in warm or cool white versions. The 5.75"H x 5.5"W housing can be recessed or surface mounted, and is provided in 1 ft. and 4 ft. lengths.

Specialty Lighting

Nautilus LED by Edge Lighting
Nautilus LED is an adjustable luminaire intended for providing wash light for retail displays, galleries/museums or offices. The asymmetric distribution is suitable for single or multiple-unit application. The 14"L x 5"H housing allows 360° rotation and 180° tilt with friction locking. The Nautilus LED mounts to Edge Lighting monorail or canopy.

ReLED Stem Mount by ReLED Systems
ReLED Stem Mount is a compact 5/8" diameter luminaire designed for display and accent lighting applications. Wall-mount stems (8" or 12") allow 360˚ rotation with integral aiming guide. Housings are available in nominal 2', 3', 4', and 5' lengths. The driver is remote and is specified separately; light output can be varied by driver selection.

Specialty Lighting – Outdoor

Led Handrail Lighting System by Planet Lighting
The Handrail Lighting System (HLS) uses a small, threaded, anodized aluminum "mini-puck" lighting element that is inserted flush into the underside of the handrail at regular intervals (usually around 20") to aim inwards to the pathway. HLS is suitable for indoor and outdoor applications. The driver is mounted inside the handrail itself.

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Under Cabinet Lighting

	Tetra® AL10 by GE Lighting Solutions Tetra® AL10 is designed for a variety of retail and architectural applications, including undercabinet, under shelf, cove, accent, and task lighting. Tetra AL10 uses a remote driver and multiple modules can be wired in series.
	LED Undercabinet by Finelite, Inc. Finelite's LED Undercabinet is designed to provide supplemental task lighting from under shelves and binder bins. Only 0.8" tall, Edge is inconspicuous and can be used without a concealing fascia. The system uses a remote power supply that can power single or multiple units, with daisy-chain connection.

Refrigerated Display Lighting

	Immersion™ LED Refrigerated Display Lighting RV30 **by GE Lighting Solutions** Immersion™ LED Refrigerated Display Lighting RV30 Series mounts vertically at the front of the case, 4"-6" from the display packages. Drivers are separate and install in the case. The LED modules are offered in three color temperatures and three sizes, separately configured for left, right, and center installation.

Downlighting

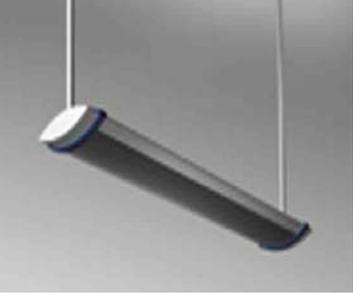|	
	LR6-DR1000 by Cree LED Lighting The LR6-DR1000 is a recessed 6"-round downlight with high lumen output and outstanding luminaire efficacy. A regressed lens provides acceptable visual comfort. The luminaire may be used in new construction and retrofit applications, with existing 6" housings utilizing a UL-listed GU24 base adapter. The entire unit is replaceable.

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	LED Surface Mount Downlight by Sea Gull Lighting/JuiceWorks The LED Surface Mount Downlight is 1.5" deep and 7.5" in diameter and mounts directly to a junction box or can retrofit to an existing recessed housing. The light engine and driver are an integrated assembly which must be replaced in its entirety. Available in a choice of finish and color temperature.
	LED Round OS DL/5-800 by Edison Price Lighting LED Round OS DL/5-800 is a 5" aperture downlight with a low brightness aluminum reflector, 40˚ shielding, and a 1.1 spacing criterion. Both the LED module, with integral heat sink, and the driver can be replaced through the fixture aperture. The downlight can be converted to a lensed wall washer in the field. Recessed depth is 6".
	SS4 by Intense Lighting SS4 is a 4", aperture-recessed downlight with an aluminum reflector, regressed light engine, medium beam, and acceptable glare control. Both the LED module, with integral heat sink, and the driver can be replaced through the fixture aperture.
	Halo LED 900 by Cooper Lighting The LED 900 is a 7" downlight that can be installed in a dedicated LED housing or retrofitted into an existing compatible non-IC housing. LED 900 comprises three components: light engine and driver (replaceable as a unit), housing, and reflector trim.

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Calculite by Philips Lightolier
Calculite is a 4"-square downlight using remote phosphor technology. It produces high lumen output with 50° cutoff and a spacing criterion of 1.2. Optical assembly (light engine, heat sink, and reflector) is integrated; both it and the dimmable driver are replaceable. Options include interchangeable wall washer, round apertures, output from 500-2000 lumens, and choice of color temperatures.

General Illumination Lighting

Stile Tryg by STILE, a brand of SPILIGHTING Inc.
The Stile Tryg is a low-profile (1.5"H x 4.5"W) IP66-rated linear luminaire that provides either direct or indirect illumination for both indoor and outdoor applications. The power supply is remote. The Tryg is available in stem, aircraft mount and wall mount with three output levels, three color temperatures, RGB, and four-color offerings.

CAREENA LED by Zumtobel Lighting, Inc.
CAREENA is a 2x2 luminaire with high light output and efficacy for its size. CAREENA achieves generally uniform luminosity and good brightness control through a multi-layered, micro-pyramidal optic. The LED board and driver are field replaceable. The 5" deep luminaire is available in either recessed (not lay-in) or surface installation.

L20 by Litecontrol
The L20 pendant-mounted linear luminaire has a compact 2"W x 2"H cross section with an internal driver. It is available in lengths from 2' to 12'. For its very small size, L20 provides direct illumination with good light output, brightness control, and luminaire efficacy. The LED modules are not field-replaceable, but the driver is.

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	SLOTLIGHT LED by Zumtobel Lighting, Inc. SLOTLIGHT LED is a direct luminaire with a 2.5"W x 4"H profile with an onboard driver and is available in any length in 2' increments. For its small size, SLOTLIGHT LED provides direct illumination with good light output, visual comfort and luminaire efficacy. LED modules and dimmable driver are field replaceable. Available for surface/pendant or recessed installation.

Industrial Lighting

	ILE HB-3 Intelligent Lighting System by Digital Lumens The ILE HB-3 is intended for high bay applications, delivering its high lumen output into a concentrated beam. The housing is 20"L x 14"W x 4"H. The luminaire features a dimmable driver and integral occupancy sensor. Exposed LED modules and driver are field replaceable.
	Lusio Bay by LightWild Lusio Bay with focused distribution is intended for high mounting in commercial and industrial applications. The housing is 22"L x 22"W x 6"H. Individual modular LED engines and driver are replaceable. Options include bay or linear size, focused or medium distribution, dry or wet location, and dimming.
	S-Series Sealed LED High Bay by Albeo Technologies The S-Series LED 2x4 luminaire is designed for industrial applications requiring a sealed fixture. It is suitable for UL Wet Location; Class 1, Div. 2, Groups A, B, C, & D; Class 2, Div. 2, Groups F & G; NEMA 4X; NSF Certified Food Equipment; and High Pressure Hose Down, 1200 psi. LED modules and driver are field replaceable.

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Outdoor
Street/Roadway Lighting

	Streetworks OVH LED Area Luminaire by Cooper Lighting The OVH LED Area Luminaire offers a choice of 15 optical patterns and four lumen outputs and is designed for area, walkway, and roadway applications. The 27"L x 13"W x 7"H housing is heavy-duty, die-cast aluminum. The entire LED assembly, individual light bar modules, and the driver can be replaced in the field. No tools are required for access.
	Evolaire Street and Area LED Luminaire by Philips Hadco Evolaire Street and Area LED Luminaire uses up to 1,440 low-power lighting grade LEDs in the WL100X luminaire. The panels can be field configured in six different angles to achieve a variety of Type II and Type III distributions. LED panels and driver can be field replaced. No tools are required for access. Available in two sizes and four light outputs. Midnight dimming at 50% is an option.
	LEDway™ Streetlight by BetaLED® The LEDway™ streetlight features a 22"L x 11"W x 5"H aluminum housing with modular light bars. LEDway is offered in four sizes, representing from 2 to 12 light bars (10 LEDs each), and 10 optical configurations. Field settable drive current allows for a still broader range of light output options (with some effect on rated life). Light bars and drivers are field replaceable.
	Satellite S96M by LED Roadway Lighting Ltd. Satellite luminaires use "cross lighting" luminaire arrays to achieve a Type II or III light distribution. The 24"L x 14"W x 6"H luminaire is available with 24-96 LEDs and a choice of six drive currents, offering a range of light output and rated life. LED boards and drivers are field replaceable.

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	RoadStar™ by Philips Lumec RoadStar™ uses a fixed LED array and configurable lensed optics to create eight light distributions. The 29"L x 13"W x 5"H housing is offered in four wattage options (40-90W); a medium size is available for higher output models (105-180w). The LED array and driver are field replaceable.

Pedestrian-Scale Outdoor Lighting

	A850SR LED by Sternberg Lighting The A850SR LED Old Town Series combines an acorn-style lens with a downlighting LED board mounted in the cast aluminum top. The luminaire is 16" in diameter with a 40" overall height and is offered in four wattages and Type V or Type III distribution. LED module and driver are field replaceable.
	Evolve™ LED Contemporary Domed Area Light **by GE Lighting Solutions** The Evolve™ LED Series Contemporary Domed Area Luminaire is 22" in diameter and 8" tall. Its light engine consists of nested concentric directional reflectors. Light engine module and driver are field replaceable.

Parking Lot Lighting

	Evolve™ LED Area Light by GE Lighting Solutions The GE Evolve™ LED Series Area Light – Medium Thin Profile has a die-cast housing that is 28"L x 20"W x 3"H. The engine consists of nested concentric directional reflectors and is available in three distributions, each with different wattage and light output. Light engine modules and driver are field replaceable.

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Crossover® XAM/S LED Area Light by LSI Industries, Inc.
LSI Crossover® LED features a sleek, contemporary housing design available in multiple sizes. The Crossover Area Light allows for a continuous stream of illumination from pedestrian walkways through egress areas and in parking lots. The shape sheds rain, dirt, and debris offering a combination of exceptional uniformity and full cutoff to create a brighter environment at lower light levels – without light trespass.

Utility Canopy Lighting

THE EDGE 227 Recessed Canopy Luminaire by BetaLED®, a division of Ruud Lighting
BetaLED 227 Recessed Mount Petroleum Canopy Luminaires install flush to the canopy surface. The luminaires are 3" deep and are available in a range of size, wattage, and lumen output (30-120 LEDs); there are four basic optical configurations. The light bars (10 LEDs each) are field replaceable; the driver is installed outside of the luminaire and can be replaced from above or when the luminaire is removed.

Crossover® XSL LED Soffit Light by LSI Industries Inc.
The Crossover® XSL LED is designed for recessed downlighting applications such as a soffit, commercial canopy or drive-through. The formed aluminum housing is 18" square and 8" deep. The light engine and driver are field replaceable through the luminaire aperture.

Wall Mounted Area Light

Invue Entri LED Architectural Wall Mount Luminaire by Cooper Lighting
The Entri LED architectural wall mount luminaire is 16"W x 8"H x 8"D with die-cast aluminum construction suitable for outdoor installation. There is a choice of eight optical distributions and two wattages (1 or 2 light bars) and a battery pack option. Bi-level control is available for the high wattage model. Light bars and driver are both field replaceable.

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Ingrade Lighting
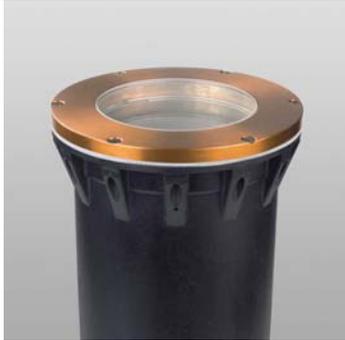
Dalton Brass LED-32 by Winona Lighting
The Dalton Brass LED upgrade light features a 13"-deep housing that is injection molded from composite material with a 7"-diameter top face plate machined from brass. The lens is cut from tempered borosilicate glass. The lens, LED engine with integral driver, and transformer are all field replaceable. The luminaire is available in three beam spreads and 3000K and 5000K color temperatures.