



News Release

MetalOptics®
2011 W. Rundberg Lane
Austin, Texas 78758
Tel: (800) 324-2669
Fax: (512) 651-1638
www.metaloptics.com

Date: December 3, 2007 - Austin, TX

For Immediate Release

High-Efficiency Fluorescent Lighting Provide Maximum Energy Savings for Parking Garages

MetalOptics™ fluorescent luminaires provide soft and uniform lighting solutions for all types of parking garage layouts. Case studies have shown **up to 65% overall energy savings** using fluorescent luminaires versus a 175-watt probe start metal halide solution. Fluorescent T5HO and T8 luminaires offer **an average 40 to 50% energy savings over one-for-one replacement of pulse start 175-watt metal halide fixtures**. Advancements in lamp and ballast technology combined with superior optical qualities have moved fluorescent lighting to the forefront. MetalOptics offers three fixtures specifically designed for parking garage applications. The MPG, MDT and MRN series combine high efficiency with internal specular reflectors for a uniformly illuminated space. All luminaires are available in T5HO and T8 models, are engineered for thermal management and tested in an in-house thermal chamber for environments up to 40°C ambient temperature. As stated by Gene Rudolph, Vice President and General Manager of Acuity Brands Lighting – Austin, “Our goal was to develop a series of products offering a broad distribution that delivers light efficiently in the drive lane of the parking area while minimizing glare in the driver’s eyes.” The normal distribution versions are ideal for entrances, elevator lobbies, pedestrian waiting areas and stairwells. The asymmetric reflector option is also available on all parking garage luminaires and eliminates direct glare from fixtures to areas adjacent to open-sided parking structures. The asymmetric reflectors are designed for double-row applications and should be used for both rows in bays incorporating open exterior walls where light trespass control is needed.

These instant-on/off fluorescent fixtures integrate easily with photocell daylight control systems where parking bays receive natural light. Dimming ballasts are available to integrate with more complex daylight variable light level systems when specified. The MPG and MDT fixtures are fully gasketed and sealed; IP65 rated and wet location UL listed. Both series will operate in a temperature range down to -20°C/-29°F. The MPG fixture has a low-profile rugged polycarbonate full-cover lens housing with post-painted steel back plate for a high level of security and durability. The MDT fixture has a fully gasketed fiberglass housing with nylon latches. Optional stainless steel latches are available. The MRN fixture is intended for applications where open fixtures and very cold temperatures are not a primary concern. It has a heavy gauge powder-coated wire guard and the housing is fabricated of 22-gauge pre-painted, cold-rolled steel. High-performance energy efficient fluorescent luminaires are fast becoming the preferred choice for lighting parking garages. Compared to 72% lumen maintenance for pulse start metal halide fixtures, fluorescent lighting systems have nearly twice the lamp life and 95% of rated lumens. With a Color Rendering Index (CRI) of 85 versus a CRI of 65 for metal halide lamps and 21 for high-pressure sodium

lamps, color recognition and visibility quality are improved when using fluorescent luminaires. When fitted with on-board battery backup the need for separate self-contained emergency lighting equipment is eliminated.

MetalOptics, a Acuity Brands company based out of Austin, Texas, is a U.S.A.-based manufacturer of performance lighting fixtures for new and retrofit projects aimed at improved energy performance. MetalOptics has historically operated in the Energy Service Companies (ESCOs) marketplace as a supplier and ongoing training is a significant part of its commitment to keeping the market current with ever-changing performance, criterion and standards. The name MetalOptics was chosen to state the commitment of the company to consistently develop superior optics by maximizing the use of specular reflectors. Coupled with high-quality thermal management systems and on-site and independent testing of a variety of performance metrics, MetalOptics delivers superior lighting solutions that maximize lamp and ballast performance. Since 1985, MetalOptics has added a dimension of shape and finish to its retrofit driven, functional product line. The brand recognized that its flexible manufacturing setup was equally well suited to developing complex reflectors and innovative housings specifically tailored to the needs of the customer.

Acuity Brands, Inc. owns and operates Acuity Brands Lighting. With fiscal year 2007 net sales of approximately \$2.0 billion, Acuity Brands Lighting is one of the world's leading providers of lighting fixtures and related services and includes brands such as Lithonia Lighting(R), Holophane(R), Peerless(R), Mark Architectural Lighting(R), Hydrel(R), American Electric Lighting(R), Gotham(R), Carandini(R), SpecLight(R), MetalOptics(R), Antique Street Lamps(TM), and Synergy Lighting Controls(R). Headquartered in Atlanta, Georgia, Acuity Brands employs approximately 7,000 associates and has operations throughout North America and in Europe and Asia.

Contact:
Liz Darling
Director of Marketing
TEL 512.651.1602
FAX 512.977.9622
Email: elizabeth.darling@acuitybrands.com

MetalOptics
An Acuity Brands Lighting Company
2011 West Rundberg Lane
Austin, TX 78758
TEL 800.324.2669
FAX 512.651.1638
Web: www.metaloptics.com