News Release

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For Immediate Release

High-Efficiency Fluorescent Lighting Temperature Tested for Cold Storage Warehouses

SpecLight® high-performance specialty indoor lighting couples the energy efficiency of fluorescent lighting with optical performance for cold storage applications. The fast growing frozen prepared meals segment of the consumer food market is creating demand for more cold storage space requiring energy efficient performance lighting. Recent advancements in fluorescent lamp and ballast technology offer not only the benefit of lower energy consumption but lower heat contribution to the cooling load over HID luminaires. Fluorescent lighting offers the greatest return on investment with nearly half the watts being used compared to HID fixtures, therefore reducing the users operating costs. Other dollar saving benefits include, up to ***50% lower heat load contribution versus HID*** lighting systems inside the cooled space, Energy Policy Act (EPAct) tax benefits and potential utility offered rebates.

To support the trend towards lower temperature freezer space, SpecLight offers products with exceptional performance over a range of cold storage environments. These fluorescent solutions offer **significant energy savings** when compared to HID in all three cold storage warehouse temperature categories:
+0°C (32°F) - - Refrigerated Fresh Produce & Fresh Meat
-18°C (0°F) - - Up to 6 Months Frozen Storage
-29°C (-20°F) - - Ice Cream & Longer-Term Frozen Storage - up to 12 Months

SpecLight products include the FFB14, FFB164 and FFB24 cold storage luminaires. All three fixtures are enclosed and gasketed fixtures and offered with T5HO and T8 lamps. The FFB14 1' x 4' fixture is especially suited for aisles up to 25' mounting height using the task beam optics. Spread beam optics are designed for loading dock and staging areas with mounting heights to 18 feet. The 16" x 4' FFB164 enclosed and gasketed luminaire is suited for aisles up to 30' mounting height using the task beam optics and with spread beam optics can be used for loading dock and staging areas with mounting heights up to 24 feet. The FFB24 is a 2' x 4' luminaire designed for aisles and area lighting where higher foot-candle levels are desired or for mounting heights over 30 feet. All three luminaires use specular aluminum reflectors that are precision formed of 95% reflectance Alanod MIRO®4 material, housings are powder coated and can be mounted with a two-point chain or an aircraft cable hanger. Motion sensor control and integral emergency battery backup are available as options for most models.

SpecLight designs and engineers a variety of fluorescent luminaires to perform in cold storage environments. Using fine-tuned components and influencing factors our luminaires retain heat to keep lamp lumen output high; use specular Alanod MIRO®4 material reflectors for controlled light output; and manage lamp bulb wall temperature for optimum performance. These are all an integral part of SpecLight's long history of using prototype testing procedures to get the highest performance from fluorescent lighting. Each luminaire is tested in a state-of-the-art laboratory grade thermal chamber at each published cold storage temperature to accurately predict installed performance. Ramping tests are performed starting at 25°C to serve as the benchmark and then the temperature is lowered progressively to colder set points. Fixtures remain stabilized while a variety of key temperatures are recorded for components and the light output is measured and analyzed. This detailed data allows product selection.

The Cold Temperature Thermal Factor indicated for each fixture type is used when calculating lighting levels as an additional light loss factor (LLF). In many cases, this factor is greater than one because fixtures do not necessarily create internal temperatures in normal 25°C environments that align with the optimum lamp lumen output. SpecLight's FFB luminaires ***actually perform better in cold environments*** than they do at normal 25°C temperatures. They retain the heat necessary to optimize lamp performance at cold temperatures ranging 34°F/2°C, 0°F/-18°C and -20°F/-29°C.

SpecLight, an Acuity Brands company based out of Austin, Texas, is a U.S.A.-based manufacturer of energy efficient standard and custom designed fluorescent lighting fixtures for a wide variety of commercial and industrial applications. SpecLight is a 6-year-old brand and was established by the Lithonia Fluorescent Group. Its original mission was to modify fluorescent products. SpecLight has evolved into a stand-alone brand specializing in highly configurable standard products, modifications and complete custom solutions. SpecLight is a vertically integrated, allowing the creation of innovative new products to provide rapid responses to modification and custom requests resulting in a superior customer experience.

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.

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