



**OSCARTEK**  
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## The Journal



# A new age display destined for success

## The birth of 'Oscartek™' showcases



the result to the intricate balance of form and function while satisfying clients and the designer and architect's community...

### Vertical and Horizontal uneasy marriage

Oscartek™ relied on its experience to create a line that is unique and attractive to the proprietors and the customers they serve as well. Yes, square cases are in now, but you can't shake the display industry tradition that easy, some still prefer the curved cases, and it is presumptuous to claim that one or the other is better or worse. That is why OscarTek™ was able to tie intertwine both styles, horizontal and vertical in an elegant and functional way with features like;

- Hinged evaporator coil for the operator to do a thorough cleaning
- patented sliding and hinged glass that finally did away with Plexiglas doors that were prone to breakage on most models - LED lighting as standard on most models. With a national service network her and Canada, you are guaranteed to see OscarTek making a respectable presence in the market. Please go to our web site and tell us what you think. [www.oscartek.com](http://www.oscartek.com)

Rabih Ballout, CEO



ProVino Model for the finest dining

San Francisco, California April 15, 2013; It is a pleasure to announce the creation of a new line of showcases called OscarTek™. Many of you had known me to be the founder of Oscartielle Inc, well I promise that you will not be disappointed. OscarTek is a new line of ETL and UL approved showcases that is the fruit of over 25 years of being in the market here and abroad, listening, feeling and paying attention to your requests. It



A square only Model from Rosa Model



Vision a 4 sided model with front and back doors with ... low and high temperatures

# Refrigerated Display Case Market Forecasted to Reach \$5 Billion by 2017

SAN JOSE, Calif. — According to a new report by Global Industry Analysts Inc. (GIA), the global market for refrigerated display cabinets is forecast to reach over \$5.34 billion by the year 2017, stimulated by a rise in food retailing, restaurants, take-aways and other non-traditional food outlets such as kiosks and gas stations. The report says that changing consumer lifestyles, rising expendable income, level of urbanization, and greater demand for premium products bodes well for the commercial refrigeration equipment market. Refrigerated display cabinets are primarily used in supermarkets, hypermarkets and grocery shops to preserve, store, and display temperature-sensitive, frozen, and chilled food products. Visibility of a product is essential for the sale of goods, illustrating the importance of refrigerated display cabinets in food retailing. The increase in the number of hotels, restaurants, take-aways, and non-traditional outlets such as kiosks and gas stations will spur demand for refrigeration equipment such as freezers, coolers, and beverage refrigeration equipment, says the report.



Oscartek™ Cora Model shown



Oscartek™ Italia Model shown

Additionally, the retail and convenience sectors are transforming their menus to add more gourmet on-the-go foodservice, thereby requiring new equipment that extends shelf life and enhances product appeal. There is an increasing affinity for new equipment and technology as customers worldwide are increasingly seeking out refrigeration products that improve food safety, enhance performance, conserve energy, and support environmental goals. New high-technology display cabinets are providing retailers with enhanced product visibility, reduced energy costs, increased pack-out and lower shrink. In addition to core developments in quality and design, the roll out of white light LED lighting systems for reach-in cases, and microchips embedded within traditional compressors are the main focus of attention.

The food and beverage retail sector will remain the most lucrative end-use market for commercial refrigeration, largely due to the growing number of food retailers, and

continued popularity of frozen foods. Refrigerated display cabinets together with walk-in refrigerators account for about 45 percent of the global commercial refrigeration equipments market. Going forward, the potential for incremental gains from new equipment installations will be less, while emphasis will be on revenues generated through replacement sales. Natural wear-and-tear of plug-in refrigeration equipment, evolution of new product designs, and the rising focus on energy efficiency will all help prop up the business case for modernization.



# The story of LED Refrigerated Display Case Lighting

The LED Refrigerated Display Case Lighting Specification delivers nearly 50% energy savings compared to a typical display case lighting code. If all retail refrigerated display cases switched to light-emitting diode (LED) systems today, 2.1 terawatt-hours (TWh) of electricity could be saved annually.

LED technology is advancing into new categories of white light applications, including refrigerated display case lighting. In September 2009, a BBA working group formed to investigate the use of LED refrigerated display case lighting for retail buildings.

Although LED technology is progressing, some barriers exist to mass adoption of LEDs. At present, performance in the later years of the product's lifetime can only be estimated and LED luminaires are relatively expensive on a first-cost basis.

To address these issues, members of a BBA working group investigated the use of LED refrigerated display case lighting. In coordination with the DOE and the Pacific Northwest National Laboratory,

they have developed product performance specifications and evaluation procedures based on BBA member needs.

Performance Specification:

The following points detail information about the specification: Efficacy is evaluated in terms of the actual luminaire(s) load imposed on a given power supply. Power supply efficiency is negatively affected by under-loading, which occurs when the total wattage of luminaire(s) fed by a power supply is significantly rated wattage. This effect is captured via the power supply schedule, which lists the efficacy of every configuration installed on a given project.

Useful life is valued

in terms of warranty period, not on manufacturer projections. LED device manufacturers are required to perform industry-standard reliability testing. Rather than relying on field measurements, luminaires are tested in a controlled independent lab environment per LM-79 for consistency and slightly understated output. Because many luminaire designs preclude the use of standard far-field photometry in these applications, near-field Photometry is mandated to accurately assess uniformity. To ensure acceptable rendition of saturated colors in product packaging, requirements for special indices R9 through R12 are included as a supplement to the color rendering index (CRI).

Although a recommendation for minimum light levels is offered, criteria are structured to

allow for flexibility in the selection of appropriate light levels on a project-by-project basis. Several luminaire types and corresponding case geometries are addressed, as indicated in the figure below:



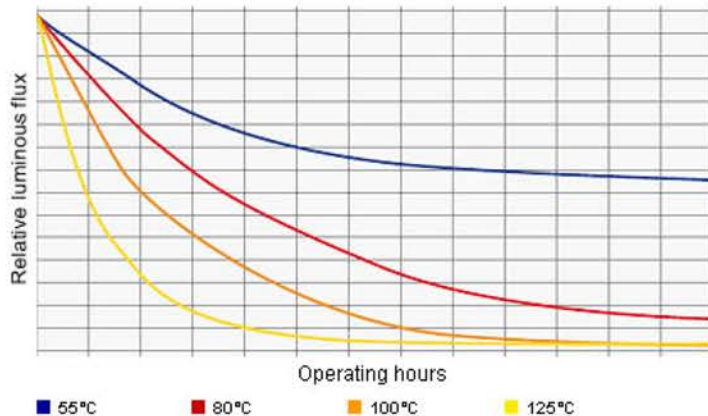
Typical LED Cooler light used in coolers



Model Metro from Oscartek with LED lighting as Standard



Reach In cooler with LED



LED Temperature Graph



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