

VLED installation at Chedraui grocery stores

CASE STUDY

"We have finally found a LED manufacturer who provides us good guarantees and services, which also has an efficient product with high color quality that works well with our lamp designs."

– Arturo Villareal; CEO, VLED

Background

Chedraui is one of the top supermarket chains in México, with additional stores in the United States, employing over 35,000 people. They operate over 217 locations, 150 of which are over 7,000 square meters.

Project

Chedraui wanted to reduce their building maintenance costs and save energy while improving in-store light quality. Specifically, increase the color rendering index (CRI) so products would appear more attractive to shoppers and result in increased sales.

Challenges

- 400W metal halide fixtures
- Energy Cost: 80€/Year/Light
- Eliminate 1,584 - 32 watt T5 fluorescent lamps
- To increase the lighting level above the current 450 lux
- To remove the shadows
- To reduce energy consumption
- To decrease the need to replace 50 T5 fluorescent lights each month.

Solution

Various VLED Luminaires with a variety of CRI combinations resulted in an ideal light balance throughout the Chedraui stores.

VLED Luminaires:

- High Bay – VL-HB120HD VL-HB90HD
- Supermarket High Power – VL-TP25HD
- Supermarket & Retail Low Bay – VL-LS60HD
- High Power Canopy – VL-CP60HD VL-CP40HD
- Industrial Cabinet – VL-GI30HE

Bridgelux Vero® Series LED Arrays:

- Vero 29 4000K CRI 90 and CRI 80
- Vero 18 4000K CRI 90 and CRI 80

"It is reassuring to know that Bridgelux's LEDs are of the highest quality. The company supports testing to prove our product meets rigorous requirements such as heat dissipation, light distribution, and highest efficiency."

– Sergio Abraham; Production Manager, VLED

Benefits

- 51% reduction in energy use per month
- 45% increase in light output
- Complete elimination of shadows
- Decrease in building maintenance in terms of light care
- The most appealing product presentation, which leads to an increase in satisfied customers and sales

"The VLED Luminaires with Bridgelux LEDs give us significant monthly savings while increasing the illumination within our stores, giving our products better presentation with high CRI. Their products were the only ones that met all our demands."

– Saul Castañeda; Energy Efficiency Manager, Chedraui

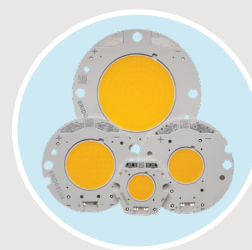
Participating Companies



Final Installation



Bridgelux Array



Fast Facts

Client:

Chedraui grocery stores
www.chedraui.com

Location:

Mexico

Manufacturer:

VLED
www.vtsmexico.com/vled

LED technology:

Bridgelux
www.bridgelux.com