Retail - Upgrade
iCandy
Las Vegas, NV

By retrofitting their flagship store in McCarran International Airport with LED lighting from Cree, iCandy marries advanced technology with a traditional candy experience to create a unique shopping experience for travelers.

- Overall improved illumination performance
- Exceptional reliability
- Improved color quality and stability
SWEET SAVINGS AT THE AIRPORT

OPPORTUNITY
McCarran International Airport, the principal airport serving Las Vegas and Clark County, is the nation’s seventh-busiest airport. Ayala’s, Inc., an airport concession management company, recently renovated iCandy, their flagship store in McCarran, which provides travelers with an interactive candy shopping experience.

iCandy is much more than just a candy store.

SOLUTION
This unique store was redesigned by architectural firm The Richardson Partnership, led by project manager Amanda Twitchell.

When Twitchell met with David Ayala, corporate manager at iCandy, she suggested that installing LED technology would enhance the shopping experience, illuminate the store using fewer luminaires than traditional source technologies, virtually eliminate maintenance, and dramatically reduce energy consumption.

Since the store marries advanced technology with a traditional candy experience, it made perfect sense to install the most innovative LED interior lighting solution: Cree® ESA Series architectural downlights.

“These interior luminaires are designed with cutting-edge technology so we knew it would be a perfect fit for iCandy,” said Twitchell. “Additionally, no other retail store in the airport is all-LED, further exemplifying the store’s uniqueness.”

BENEFITS
Ayala and his employees are thrilled with the Cree LED interior lighting solution. Ayala selected 26 ESA LED architectural round downlights to illuminate the store’s colorful displays.

“I couldn’t be happier — there is now eye-catching light,” said Ayala. “The light spreads so beautifully that the products really pop. People can’t help but be drawn to our store.”

Cree ESA luminaires provide noticeable color quality not only when the project is first commissioned, but throughout the life of the application as well. With a strong commitment to initial and long-term color quality, Cree luminaires produce results unmatched by today’s most common high-efficiency lighting solutions.

Through the BetaLED unique blending technique, ESA luminaires deliver initial color point accuracy within a two-step McAdam Ellipse from the specified color point, with predicted color point stability within a two-step McAdam Ellipse to the luminaires’ predicted L70.

ESA luminaires also provide Color Rendering Index (CRI) and R9 values that meet the needs of today’s most discriminating interior lighting designers.

In addition, unlike designs that utilize traditional light source technologies that can compromise the original design intent with every re-lamping, ESA luminaires provide years of near maintenance-free service, eliminating such concerns.

The increased efficiency gained by using LED lighting technology immediately benefits iCandy by reducing its environmental impact. Just as McCarran is committed to reducing its carbon impact in a multitude of ways, so are Ayala and iCandy through energy-efficient Cree ESA luminaires.

After retrofitting to LED, the existing store space seems like it’s a hundred times brighter compared to the yellow, dull look of the older technology.

David Ayala, Corporate Manager, Ayala’s Inc., iCandy Retail Store
“Now, the light spreads so beautifully, it really pops. People can't help but be drawn to the store.”

David Ayala, Corporate Manager, Ayala's Inc., iCandy Retail Store
IN THIS CASE STUDY

ESA Series
ARCHITECTURAL RECESSED DOWNLIGHTS

• Over 5,000 initial delivered lumens
• Replaceable light source
• Upgradeable optics
• Multiple color temperatures
• Narrow, medium and wide distribution patterns
• Standard 0 to 10V dimming control
• 4-, 6- and 8-inch square and round apertures
• 45° cut-off
• Over 50,000 hours of operation
• Suitable for 120V or 277V, 60Hz applications

Cree BetaLED® Technology uses a total systems approach combining the most advanced LED sources, driver technologies, optics and form into each product. The patented NanoOptic® technology, available in more than 20 distributions, provides a level of optical control and thermal management that traditional light source technology cannot provide. Combined with the DeltaGuard® Finish, the finest industrial-grade finish available, the result is outstanding target illumination, lasting performance and optimum energy efficiency.

PARTICIPANTS
End User: iCandy Retail Candy Store
McCarran International Airport
Architectural Firm: The Richardson Partnership
Cree Rep Agency: Nevada Sales Agency

Cree IS LED Lighting
Learn more at: www.cree.com/lighting | info@cree.com | 800.236.6800

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