

# Advantages of TLC for LED® Apron Lighting



Portland International Airport, Portland, Oregon

Musco's industry-leading LED apron lighting systems improve visibility, reduce energy consumption, and help airport staff operate more safely and efficiently. Musco's solutions offer:

## **Reduced glare.**

Total Light Control—TLC for LED™ technology reduces glare on the apron, providing a safer environment for pilots taxiing in the gate area, air traffic controllers, and ground crews.

## **Better visibility.**

The system increases light levels and improves uniformity on the apron, enabling ground crew to work more efficiently in a setting that's safer with better visibility.

## **Limited spill light.**

The DarkSky-friendly system is factory-aimed and features patented light control technology, preventing spill light from affecting airport operations and the night sky.

## **Efficient installation.**

As a best-in-class solution, TLC for LED's complete system design allows for streamlined installation, returning the apron stand back into operation quickly and efficiently.

## **Superior reliability.**

With lighting, electrical, and structural components engineered to work together, TLC for LED delivers more reliable performance and trouble-free operation.

## **Advanced, adaptable controls.**

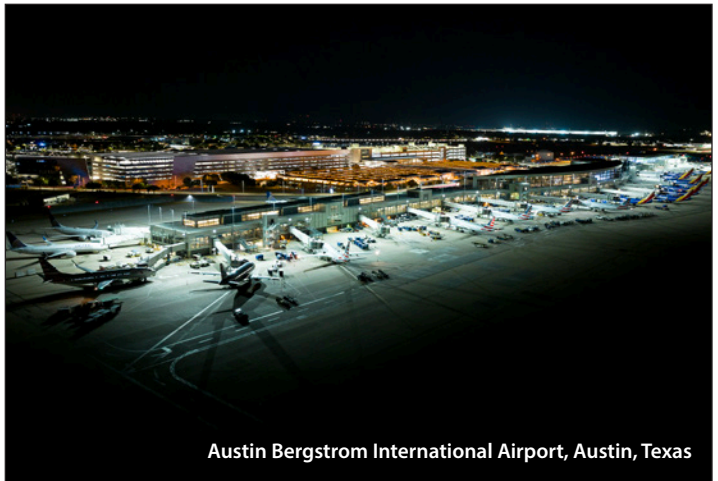
Instant on/off/dimming capabilities, integration with sensors and existing airport systems, and remote scheduling provide efficient control and flexibility to adapt the lighting at individual poles as needed.

## **Simplified servicing.**

The system's electrical components enclosures are located near the base of the poles, allowing for easier access and simplifying any future trouble-shooting and servicing.

## **No maintenance costs.**

The system is backed by 24/7/365 call center support, and by a 10-year parts and labor warranty covering service by Musco technicians, subcontractors, or airport maintenance staff.



Austin Bergstrom International Airport, Austin, Texas



Dallas Love Field Airport, Dallas, Texas



# System Technology

## A Complete System or Retrofit Solution

### 5 Easy Pieces™

Light-Structure System™ is designed in 5 Easy Pieces from foundation to poletop to provide a complete solution for lighting, electrical, and structural needs.

- Unique reflector system and optic design provide optimal energy efficiency and light control
- Patented glare control technology keeps light away from neighboring facilities
- Durable system delivers trouble-free operation
- Small structural footprint maximizes the available area around the poles

### Unique considerations for large area lighting

- Musco offers modular light solutions for existing poles, specialty-use poles, and roof-mounted structures

### Lighting Control and Management

- Control-Link® controls and monitoring system manages facility lighting and other electrical equipment

### Retrofit Applications

- Includes new cross arms
- Factory wired, aimed, and tested
- New wire harnesses ensures no exposed wiring and solid connections with quick connection plug-ins
- Electrical Components Enclosure is located remotely for easy access

### 5 Easy Pieces™

Complete System from Foundation to Poletop

### Retrofit Solution

