

# C-Flex SUCCESS

## PROJECT

College Athletic Facility Lighting Retrofit to LED  
Utilizing Existing Lutron Quantum w/ EcoSystem

## LOCATION

Moravian College, Breidegam Fieldhouse, Bethlehem – PA

## PRODUCT

### LIGHT EFFICIENT DESIGN PRODUCTS

RP-T5HO-4FT-2L-E5-M-G2 (2 lamps w/ Lutron driver)

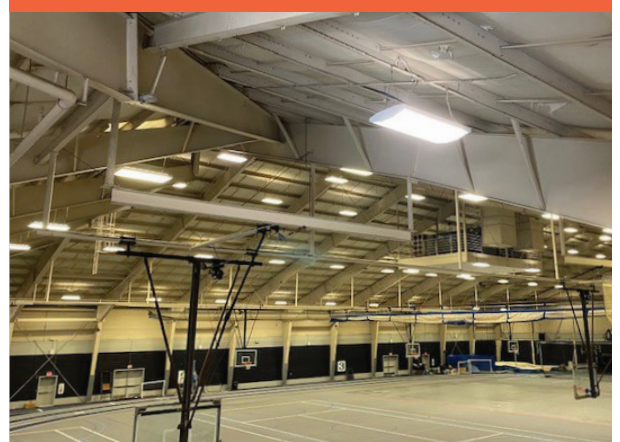
RP-T5HO-4FT-3L-E5-M-G2 (3 lamps w/ Lutron driver)

### EXISTING PRODUCTS

4' 6Lamp T5HO High Bay Fixtures

4' 2Lamp T5HO Pendant Fixtures

Lutron Quantum with EcoSystem controls



## SITUATION

Moravian College wanted to upgrade their fluorescent high bay and linear pendant fixtures to LED, while retaining their existing control system from Lutron. The project spanned 3 areas of their athletic complex: 1. Recreation gym 2. Competition gym 3. Fitness Center.

## SOLUTION

Light Efficient Design supplied LED retrofit kits powered by Lutron drivers guaranteed to be compatible with the existing control system.

## RESULT

Moravian College is saving extensive amounts of energy and has vastly improved light output all while being able to personalize and control every space as needed.



**DISTRIBUTOR**  
Colonial Electric  
Allentown, PA

**INSTALLER**  
Diefenderfer Electric  
Allentown, PA

**REPRESENTATIVE**  
Synergy Electrical Sales  
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## MORAVIAN COLLEGE NEEDED

- Energy Savings —■
- Improved Light Output —■
- Personalization & Scene Control —■
- Event Hosting —■
- Maintain Existing Fixtures – Durability —■
- Extend Fixture Warranty —■
- Limited Project Waste —■
- Maintain 'look & feel' of Spaces —■
- Low Labor Cost —■
- Heat Reduction & UV Protection —■
- Reduced Ballast Maintenance —■

## LED & LUTRON DELIVERED

- 55% Wattage Reduction
- 22% Average Foot Candle Increase & Instant 'on'
- Full utilization of Lutron Quantum w/ EcoSystem
- Specific Lighting Scenes were Created for Graduation, Basketball Tournaments, etc.
- Fixture Housing Remained 'as is'
- New LED Tubes & Driver with 5 Year Warranty
- No Messy Fixture Waste – Limited Disruption
- Glass Tubes, Aluminum End-Caps & Wide Distribution Like Fluorescent
- Easy Retrofit – 1 Man Hour Per Fixture
- Fixture Lens Will Not Yellow – LEDs Run Very Cool
- Replaced Aging Ballasts w/ LED Drivers

