

# **Symphony** REMOTE DRIVER SYSTEM



**RICHARD**  
Regional Manager - West



**SCOTT**  
Regional Manager - Central



**CHAD**  
National Sales Manager



**CHRIS**  
VP Sales & Marketing

# Key Focus Areas

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# The **New & Improved** Symphony System



**Architectural Luminaires with  
Remote-Mounted DMX or 0-10V Drivers**

*For Performance Spaces & High Ceilings*



Now with **Dim-to-Black** and **RDM** compatibility!

***Re-Engineered in 2020***

# The Problem

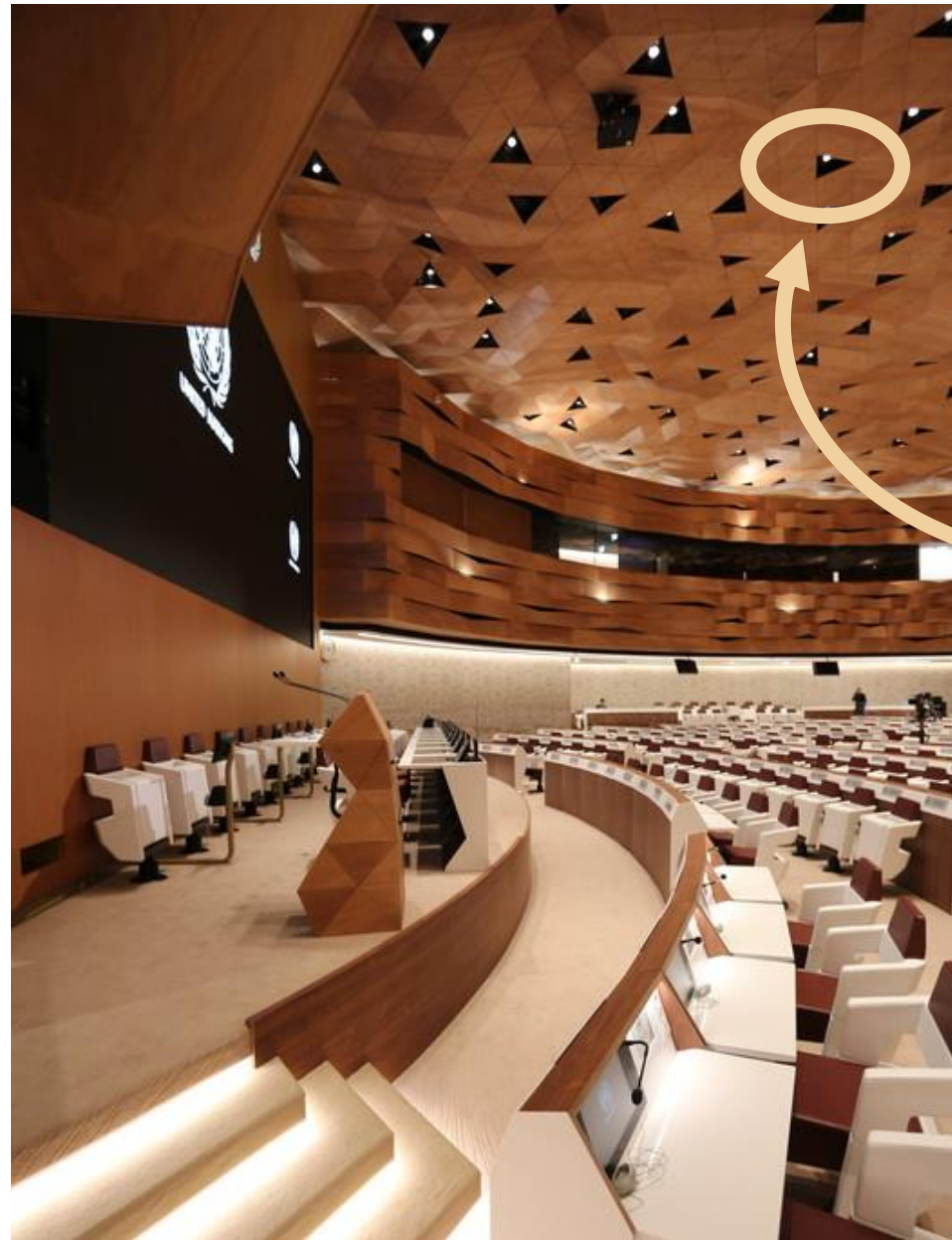
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Theaters, performance spaces, high-ceiling atriums and public venues require **sophisticated ambient illumination** with exceptional color rendering, precision control & deep dimming.



# The Problem

High (often sloped) ceilings and unique obstacles such as water features, permanent seating, and changes in grade make for **cumbersome installation** and **challenging maintenance**.



*How can we  
service this  
fixture  
effectively?*

**Example:** Prominent  
Hospital in Middle East

Main Lobby Elevator  
Bank

~ 2015



Attractive Lobby

Stylish Architectural  
Features

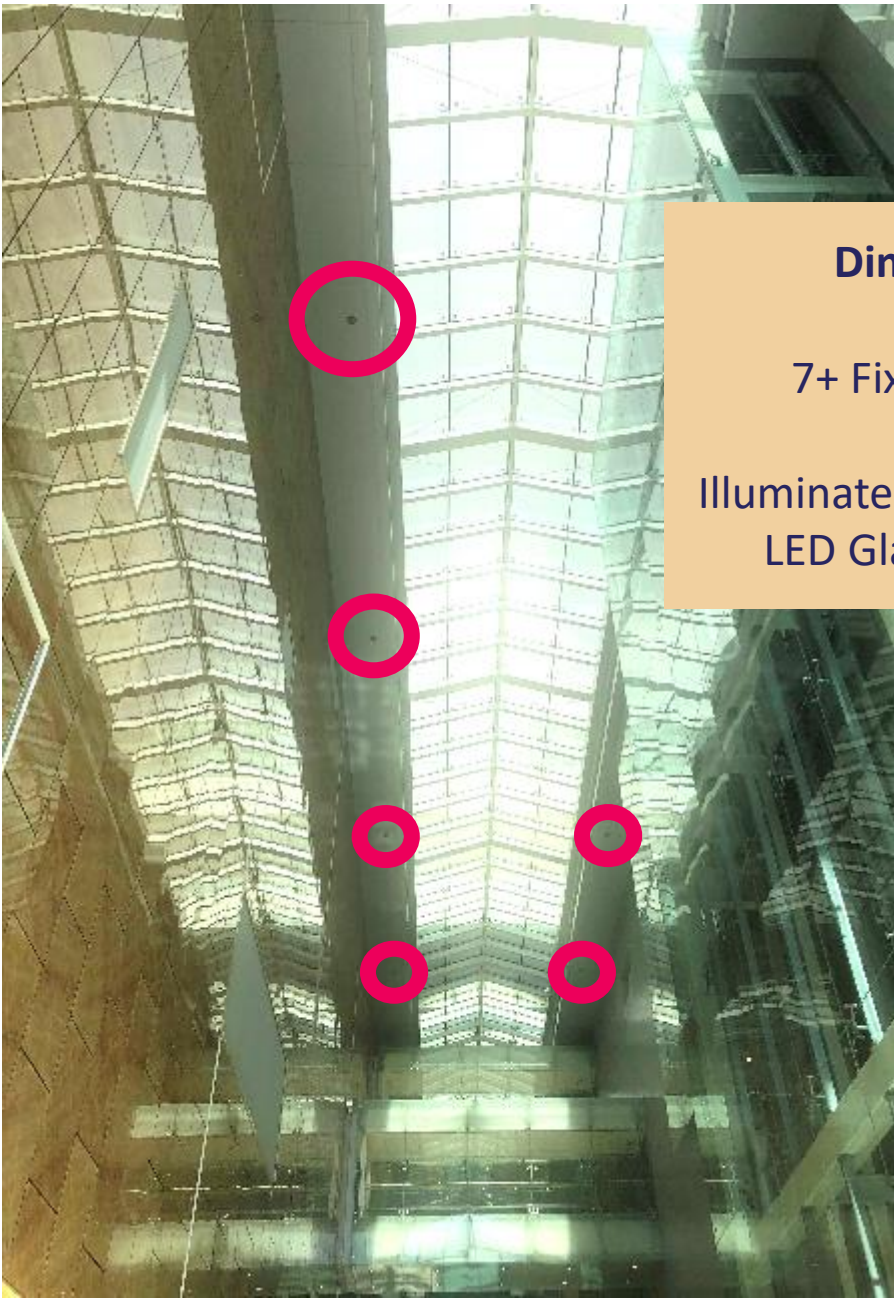
One Fixture Out



**Example:** Prominent  
Hospital in Middle East

Main Lobby Elevator  
Bank

January 2020



**Dim Lobby**

7+ Fixtures Out

Illuminated by Makeshift  
LED Glare-Bombs!



# The Solution – Kirlin's Symphony System!

32

Architectural luminaires (up to 6500L) with cooler operating temperatures & longer life



2

Remote **dim-to-black** power supplies:

- RDM-compatible DMX drivers
- Modular 0-10V drivers



+ Emergency Power



# The Solution – How Symphony Stacks Up

THE NEED	SYMPHONY PROVIDES...
Breadth of Luminaires	Recessed & surface; Round & square; Downlight, adjustable, wall wash, & sconce
Quality of Luminaires	Low glare <b>architectural cutoffs</b> , many <b>finish options</b> , four beam <b>distributions</b> , five <b>color temperatures</b> , five <b>lumen packages</b> up to 6500L
Long Fixture Life	<b>Driverless</b> all-aluminum housing = cool operation & long life
Easy Installation	Class II low voltage cable from driver to fixture; <b>no conduit required</b>
Easy Maintenance	Driver maintenance and programming in a <b>convenient location</b> , at eye level up to 250 feet from luminaires
Control Compatibility	DMX controls in 8-bit or 16-bit resolution, programmable via <b>RDM</b>
Sophisticated Dimming	Best-in-class smooth “ <b>dim-to-black</b> ”

# Why Symphony?

## 1. Best way to Decrease Service Calls? Remove the Service Item.

- Drivers are the weak link in the LED system
- LED lightheads will outlive the driver that powers them

## 2. Reduced Ambient Temperatures = Improved System Longevity!

- LEDs and drivers create heat, together this compounds
- Integral drivers are often operated well over the rated temperature range

## 3. Driver Accessibility Reduces Maintenance Hassle/Cost

- With Symphony, we **minimize chance of failure**, and **maximize ease of replacement** in the rare case it is needed.










The background image shows a grand, ornate interior space, likely a museum or a large hall. It features several tall, fluted columns with decorative capitals. The ceiling is high and features a large, intricate, colorful chandelier hanging from the center. The lighting is warm and ambient, highlighting the architectural details.

# System Overview

Luminaires, Drivers, and Emergency Power

# Luminaire Features & Specifications

 <b>SELECTION</b>	Downlights, adjustables, wall washes, & sconces
 <b>FIXTURE OUTPUT</b>	6500L, 5000L, 4000L, 2500L, & 1500L nominal lumens
 <b>COLOR TEMP</b>	3500K standard CCT, optional 2700K, 3000K, 4100K, 5000K
 <b>COLOR RENDERING</b>	80+ CRI standard with optional 90+ CRI
 <b>OPTICAL CONTROL</b>	Precision engineered TIR optics maximize efficiency and provide 4 unique beam spreads (0.3 to 1.2 SC) <b>10° - SPT      25° - NFL      40° - MFL      80° - WFL</b>
 <b>LONGEVITY</b>	Up to 90,000 hour L70
 <b>INSULATION-SAFE</b>	Type IC standard on 1500L and 2500L series

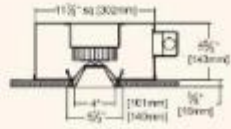
## RECESSED ROUND: 1500L

### Downlight



#### **SRR-04100**

4" Open Appearance Downlight  
1500L



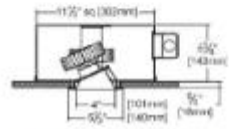
MFL (SPT, NFL optional)

### Adjustable



#### **SRR-04105**

4" Open Appearance Adjustable  
1500L



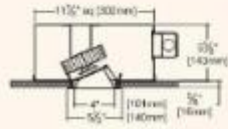
NFL (SPT, MFL optional)

### Wall Wash



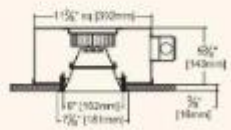
#### **SRR-04110**

4" Lensed Wall Wash  
1500L



#### **SRR-06115**

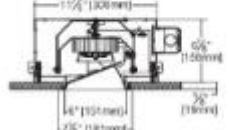
6" Open Appearance Downlight  
1500L



MFL (SPT, NFL optional)

#### **SRR-06120**

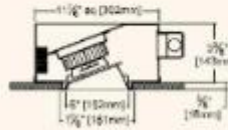
6" Open Appearance Adjustable  
1500L



NFL (SPT, MFL optional)

#### **SRR-06125**

6" Lensed Wall Wash  
1500L



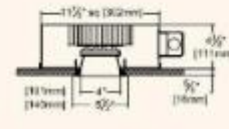
## RECESSED ROUND: 2500L • 4000L • 5000L • 6500L

### Downlight



#### **SRR-04600**

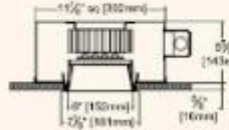
4" Open Appearance Downlight  
2500L



MFL (SPT, NFL optional)

#### **SRR-06602**

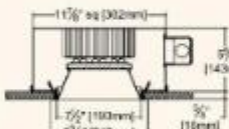
6" Open Appearance Downlight  
2500L, 4000L, 5000L



MFL (SPT, NFL optional)

#### **SRR-07604**

7" Open Appearance Downlight  
2500L, 4000L, 5000L, 6500L



MFL (SPT, NFL optional)

### The Kirlin Difference

Each luminaire in the Symphony series has been engineered to meet the Kirlin standard of quality, which has been the company's hallmark since 1895.

All aluminum rust-proof and corrosion-resistant housings ensure optimal thermal management for system safety and longevity. Numerous trim finishes, optical distributions, lumen packages, and color temperatures enable even the most discerning lighting designer to achieve their desired aesthetic.

### Adjustable



#### **SRR-06610**

6" Open Appearance Adjustable  
2500L, 4000L, 5000L



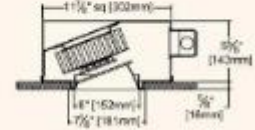
NFL (SPT, MFL optional)

### Wall Wash



#### **SRR-06616**

6" Lensed Wall Wash  
2500L, 4000L, 5000L



#### **SRR-07612**

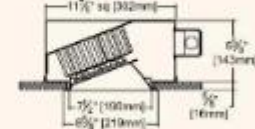
7" Open Appearance Adjustable  
2500L, 4000L, 5000L, 6500L



NFL (SPT, MFL optional)

#### **SRR-07618**

7" Lensed Wall Wash  
2500L, 4000L, 5000L, 6500L



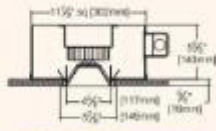
## RECESSED SQUARE: 1500L

### Downlight



#### **SRS-04150**

4" Open Appearance Downlight  
1500L



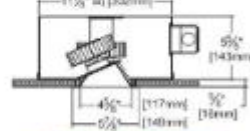
MFL (SPT, NFL optional)

### Adjustable



#### **SRS-04155**

4" Open Appearance Adjustable  
1500L



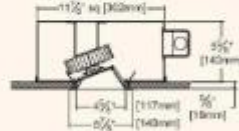
NFL (SPT, MFL optional)

### Wall Wash



#### **SRS-04160**

4" Lensed Wall Wash  
1500L



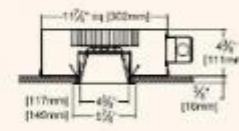
## RECESSED SQUARE: 2500L • 4000L • 5000L • 6500L

### Downlight



#### **SRS-04640**

4" Open Appearance Downlight  
2500L



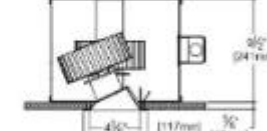
MFL (SPT, NFL optional)

### Adjustable



#### **SRS-04646**

4" Open Appearance Adjustable  
2500L



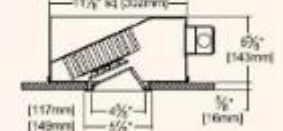
NFL (SPT, MFL optional)

### Wall Wash



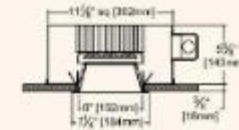
#### **SRS-04652**

4" Lensed Wall Wash  
2500L



#### **SRS-06642**

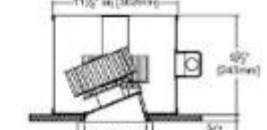
6" Open Appearance Downlight  
2500L, 4000L, 5000L, 6500L



MFL (SPT, NFL optional)

#### **SRS-06648**

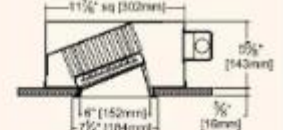
6" Open Appearance Adjustable  
2500L, 4000L, 5000L, 6500L



NFL (SPT, MFL optional)

#### **SRS-06654**

6" Lensed Wall Wash  
2500L, 4000L, 5000L, 6500L



# Features & Specifications: Recessed

## Key Features

- **Adjustables!** Up to 45° in 1500L, up to 35° in 2500L+
- Acrylic enameled, corrosion-resistant low profile housings
- Type IC to 2500L (important for churches, museums)
- Look-alike trim designs
- Extension collars (for thicker ceilings)

## Trim Finish Options

**Specular  
(Standard)**



**SofTex™  
Semi-Specular**



**Painted  
Flange**



## SURFACE ROUND: 2500L • 4000L • 5000L • 6500L

### SSR-09620

9" x 16" Open Appearance  
Cylinder Downlight  
2500L, 4000L, 5000L, 6500L



MFL (SPT, NFL optional)

### SSR-12622

12" x 4" Super Shallow Lensed  
Cylinder Downlight  
2500L



WFL

### SSR-12624

12" x 20" Open Appearance  
Cylinder Downlight  
2500L, 4000L, 5000L, 6500L



MFL (SPT, NFL optional)

### SSR-12626

12" x 20" Open Appearance  
Cylinder Adjustable  
2500L, 4000L, 5000L, 6500L



NFL (SPT, MFL optional)

### SSR-12628

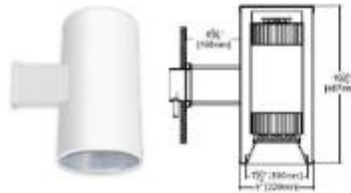
12" x 20" Lensed  
Cylinder Downlight  
2500L, 4000L, 5000L, 6500L



WFL

### SWR-09630

9" x 19" Open Appearance  
Direct-Indirect Cylinder  
2500L



MFL

## SURFACE SQUARE: 2500L • 4000L • 5000L • 6500L

### SSS-07656

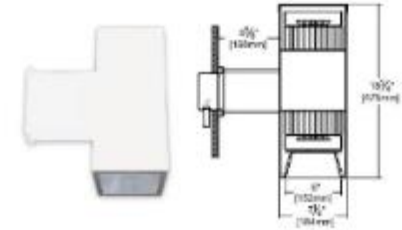
7" x 18" Open Appearance  
Surface Square Downlight  
2500L, 4000L, 5000L, 6500L



MFL (SPT, NFL optional)

### SWS-07660

7" x 19" Open Appearance  
Wall-Mounted Direct-Indirect  
2500L

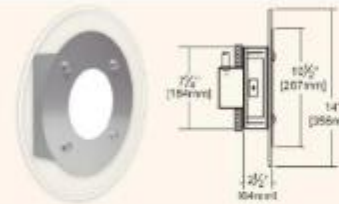


MFL

## DECORATIVE WALL SCENCE: 500L

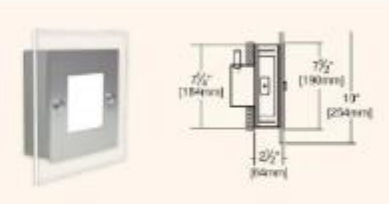
### SSR-14670

Decorative Round Wall Sconce  
500L



### SSS-10680

Decorative Square Wall Sconce  
500L



Red Wing Red Option -RE Red/Amber Option -RA Tiger Orange Option -OR Wolverine Maize Option -YE Spartan Green Option -GN Lion Blue Option -BL Custom Logo Option -CL

# Features & Specifications: Surface

## Key Features

- Deep-drawn seamless aluminum enclosures
- No exposed air venting or heat sink hardware
- **Adjustables!** Up to 35° tilt for wall washing & precise aiming
- Low profile super-shallow “puck” for hard ceilings
- Customizable scone imagery

## Housing Finish Options

White  
(Standard)



Silver



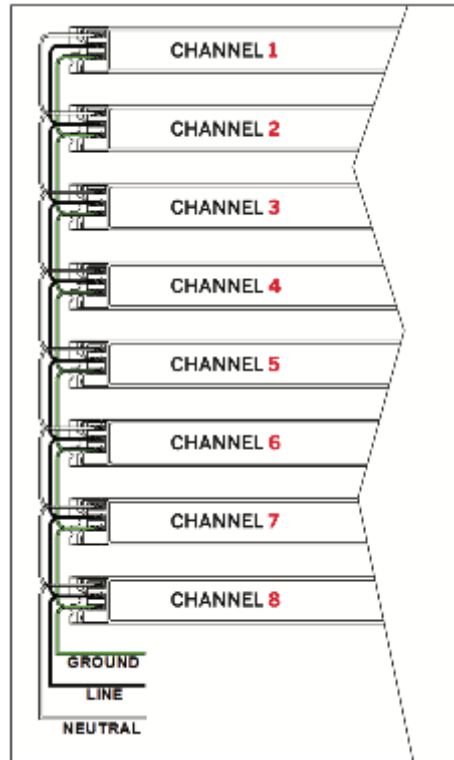
Dark  
Bronze



Black



# Remote DMX Power Supply (**SYM-DMXPS**)



Maximum Distance to Luminaires = 250 ft

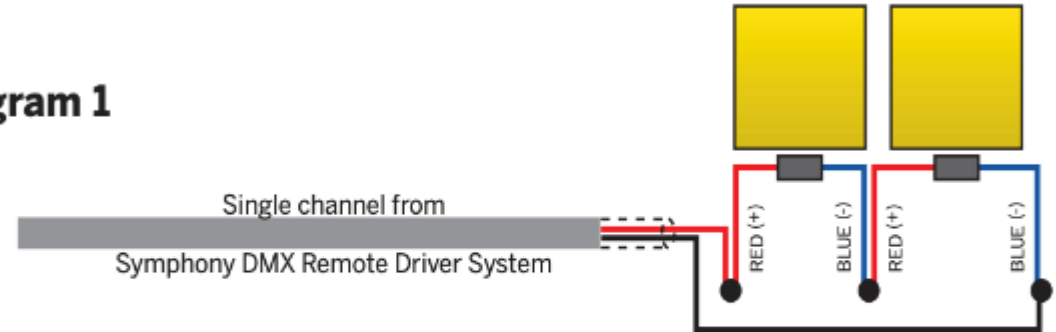
## Key Features

- 8-Bit or 16-Bit DMX
- Programmable via RDM
- Dim to black
- Pre-wired, pre-assembled, with specified number of channels
- Supports **(16)** 1500L luminaires or sconces, **(8)** 2500L/4000L luminaires or **(4)** 5000L/6500L luminaires
- 5 year warranty

# Mapping Fixtures to the SYM-DMXPS

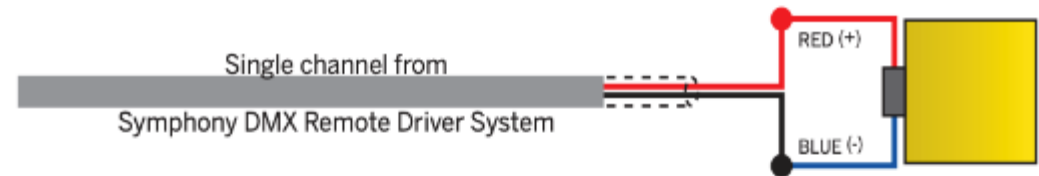
**Sconces & 1500L Fixtures:**  
2 Fixtures Per Channel

**Diagram 1**



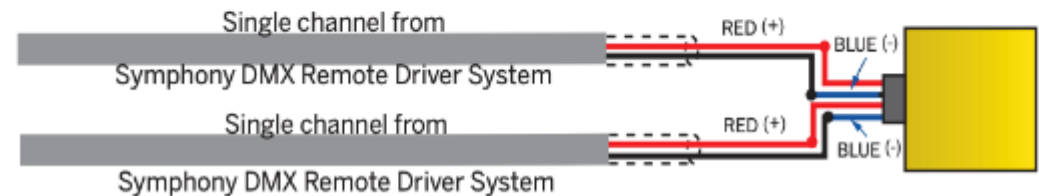
**2500L & 4000L Fixtures:**  
1 Fixture Per Channel

**Diagram 2**



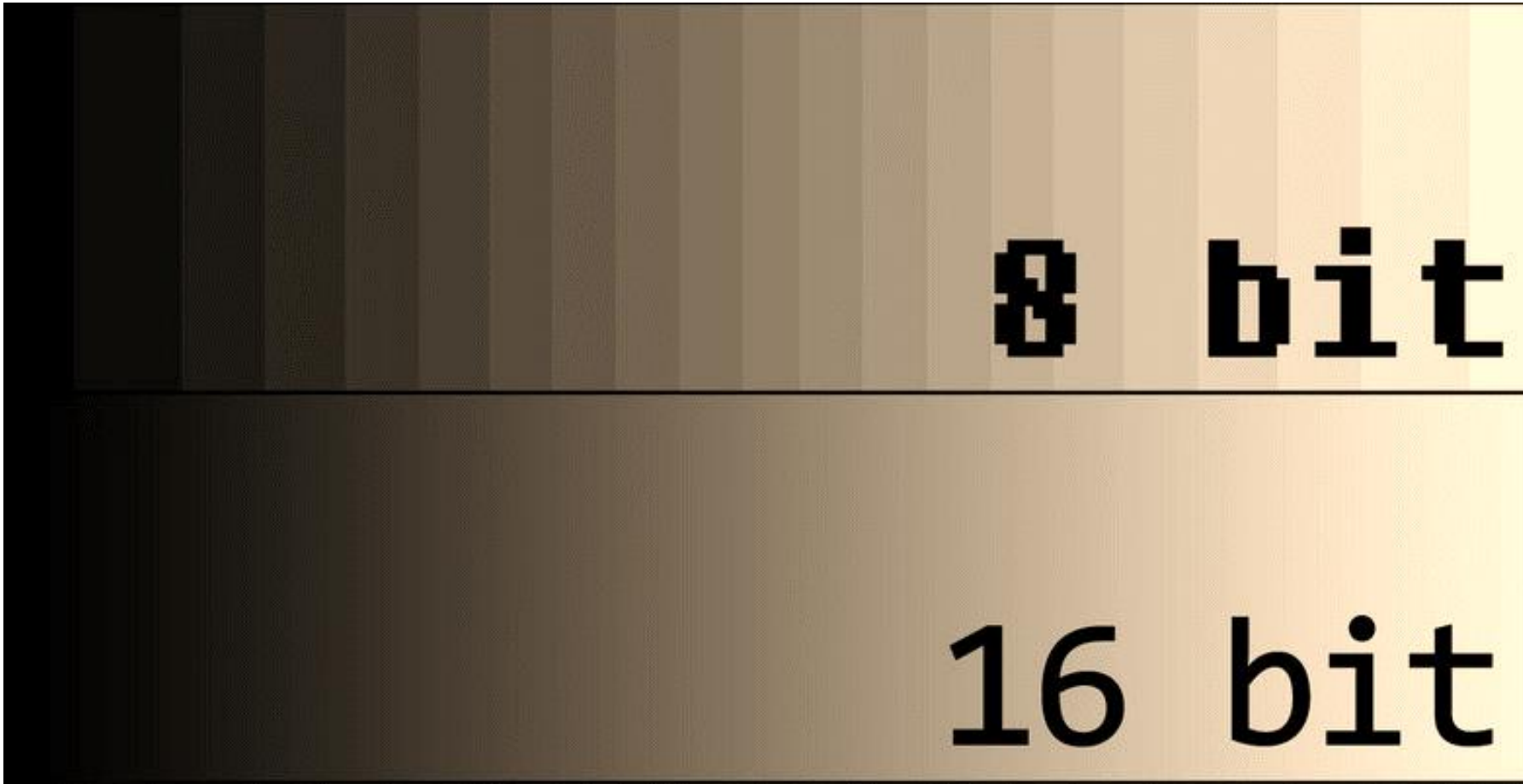
**5000L & 6500L Fixtures:**  
2 Channels Per Fixture

**Diagram 3**



# Optional 16-Bit Control

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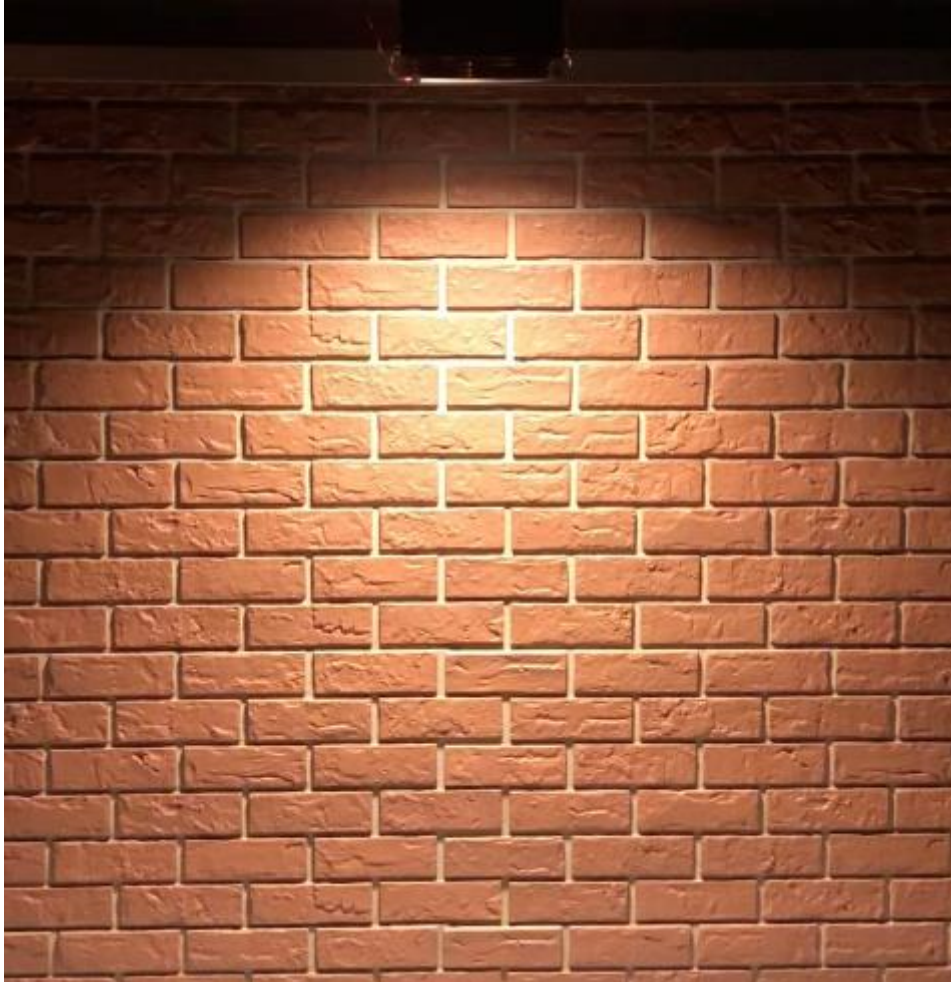
**256** steps

256 x 256 =

**65,536** steps

# Dim-to-Black Demo

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# Remote 0-10V Driver Cabinet (**SYM-CABNT**)



Maximum Distance to Luminaires = 250 ft

## Key Features

- Dim to black
- Modular design – order cabinet-mounted DVR modules individually
- Supports **(16)** 1500L luminaires or sconces, **(8)** 2500L/4000L luminaires or **(4)** 5000L/6500L luminaires
- 5 year warranty

# Emergency Inverters



**EMI-21220**

375 Watt Inverter



**EMI-03120**

125 Watt Inverter

## Key Features

- EMI-21220 operates one fully loaded cabinet (DMX or 0-10V)
- EMI-03120 operates 3 channels or 3 DVR modules
- **100% light output** for up to 2 hours
- UL 924 listed high efficiency pure sine wave inverter
- May be mounted up to 1000 feet from load
- 3 year warranty

The background image shows the interior of a grand theater. The ceiling is high and ornate, with a large, colorful chandelier hanging from the center. The chandelier has many small lights and is decorated with red, yellow, and blue elements. The theater has several rows of seats, and the walls are decorated with intricate carvings and patterns. The overall atmosphere is one of elegance and grandeur.

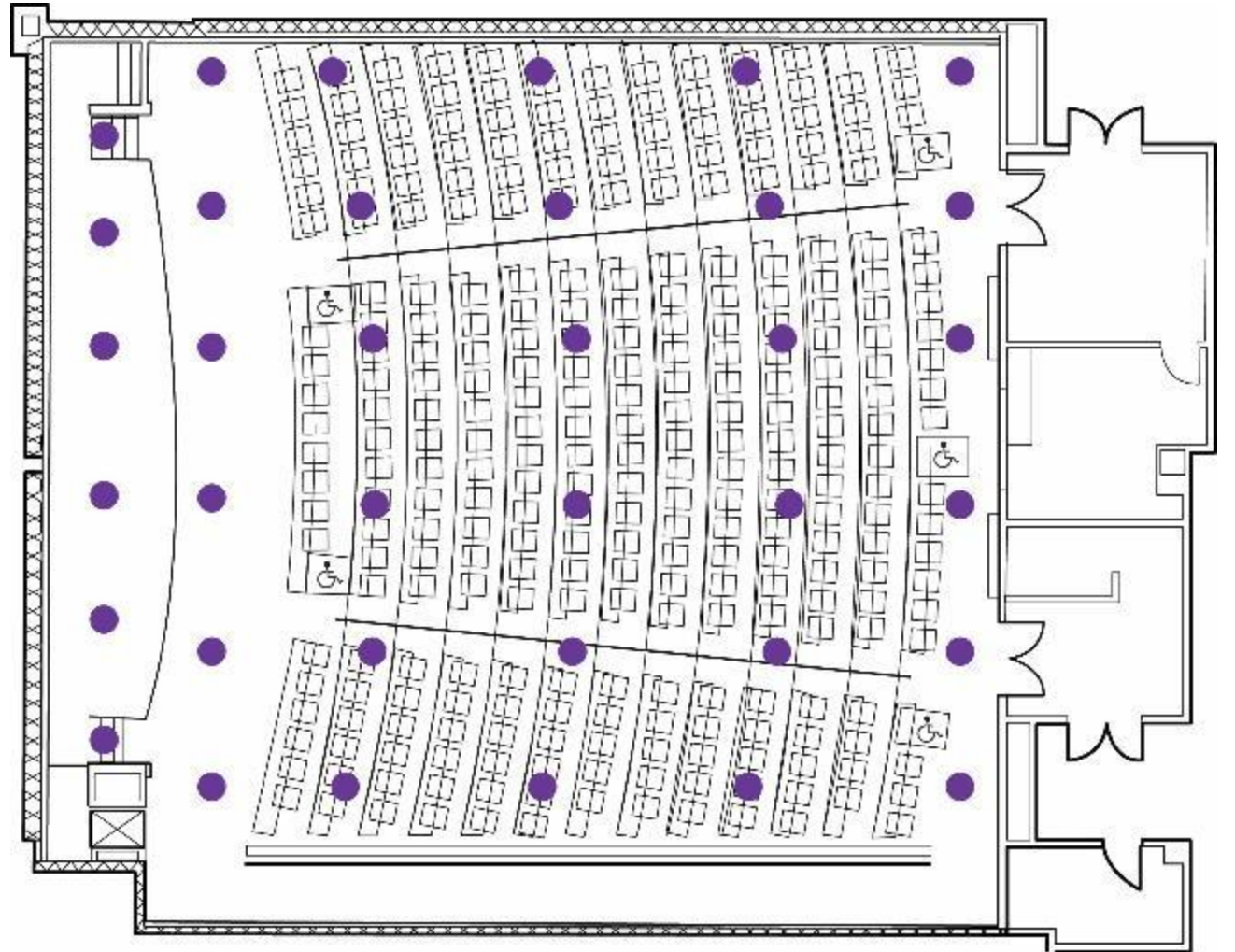
# Cost Comparison & Installed Benefits

Symphony vs. Traditional Onboard DMX

# Illuminating a School Auditorium

*The calculations say...*

*(36) DMX downlights  
at 4000L should do  
nicely!*



# The Symphony Solution: What We Need



36x

**SRR-06602-4000L-27K-HC**

4000 Lumen Downlights with  
High Color Rendering 27K  
LEDs and MFL distribution



4x

**SYM-DMXPS-8**

Fully loaded 8-channel  
DMX power supplies



1x

**SYM-DMXPS-4**

Partially filled 4-channel  
DMX power supply

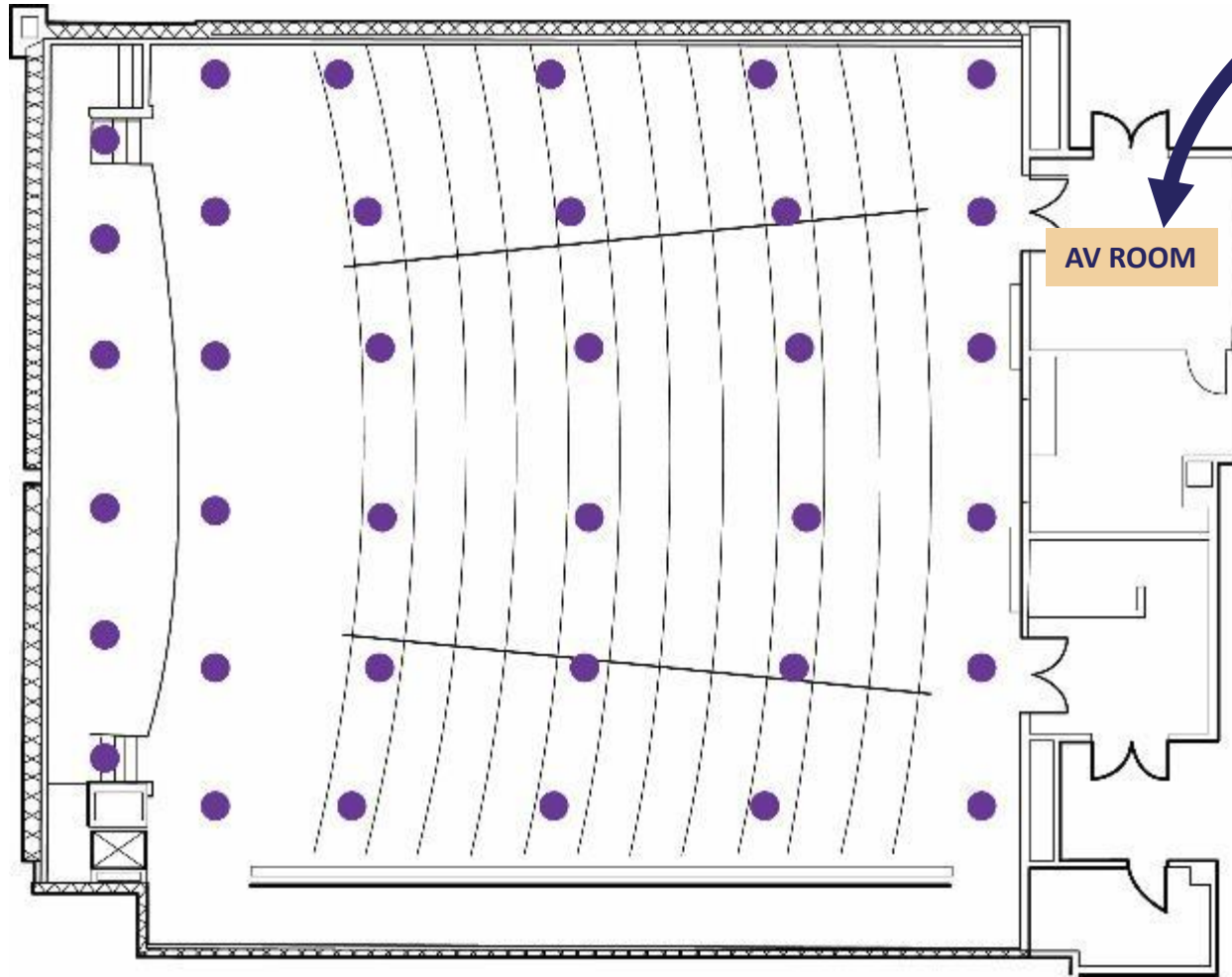


1x

**EMI-21220**

375 Watt Emergency  
Inverter

# Power Supply Placement



**(4) SYM-DMXPS-8**

**(1) SYM-DMXPS-4**

*cabinets are wall-mounted  
in the AV Room, as is the  
emergency inverter*

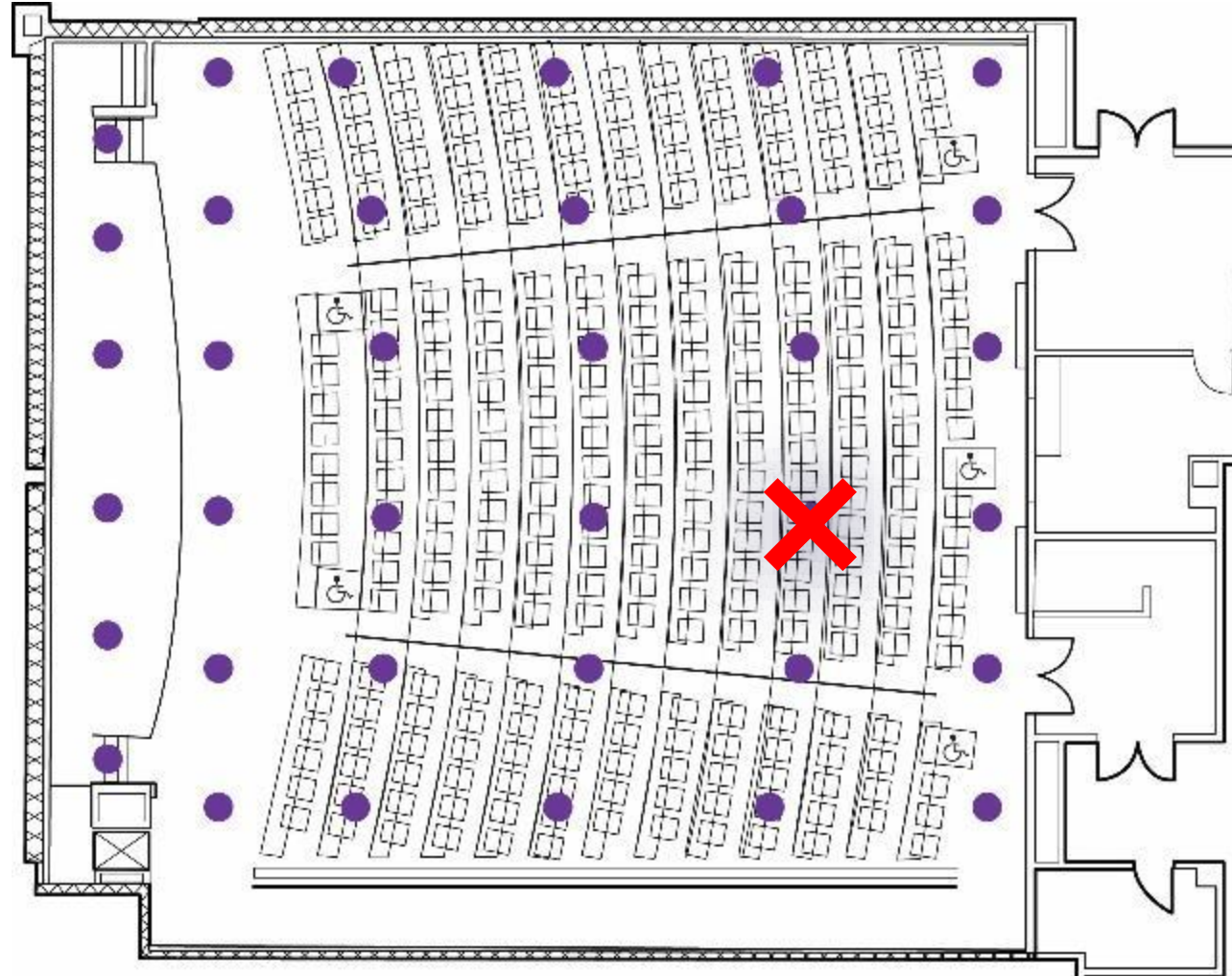


36 “home runs” from  
fixtures to cabinet  
(approx. 3,000 ft)

# Installation: Owner's Cost

ITEM	SYMPHONY	ONBOARD	+/-
Lighting System	\$26,082	\$17,182	▲ 51.8%
Material (Wire, Conduit, Panels)	\$600	\$6,000	▼ 90%
Lift	\$1,000	\$1,000	0%
Labor	112 Hours = \$10,080	160 Hours = \$14,400	▼ 30%
Total	\$37,762	\$38,582	▼ 2.1%

# But Then... Something Unexpected!



# Each Maintenance Call: Owner's Cost

ITEM	SYMPHONY	ONBOARD	+/-
Replacement Parts	\$150	\$100	▲ 50%
Scaffolding	\$0	\$200	▼ 100%
Labor	1 Hour = \$90	32 Hours = \$2,880	▼ 96.9%
Total	<b>\$240</b>	<b>\$3,180</b>	<b>▼ 92.5%</b>

The background image shows a grand, ornate interior space, likely a museum or a large hall. It features several tall, fluted columns with decorative capitals. The ceiling is high and arched, with a central, large, ornate chandelier that has many colorful, dangling lights. The overall lighting is warm and ambient, highlighting the architectural details.

# Project Examples

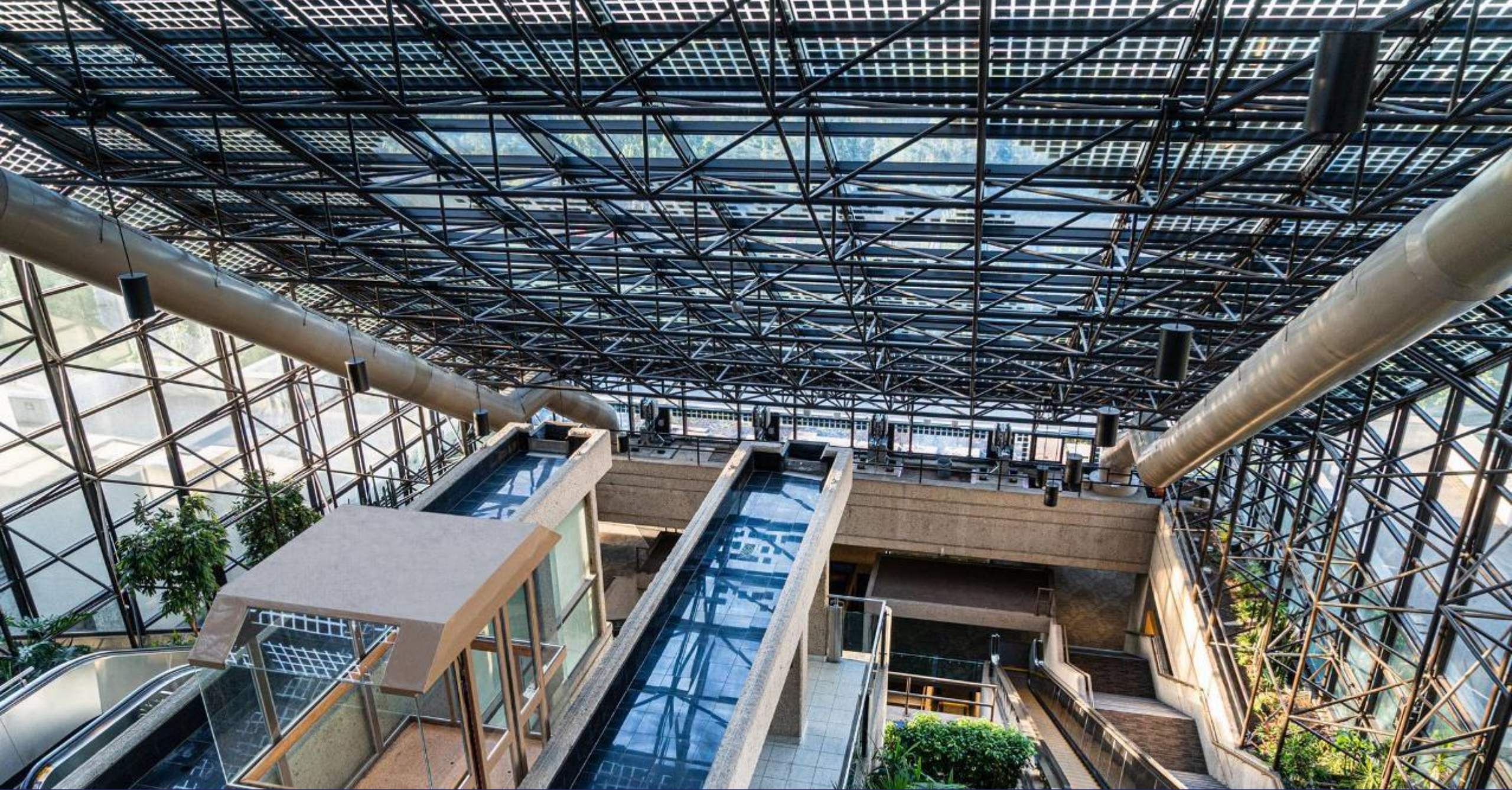
# Edmonton Convention Centre

## Renovated in 2020

### Symphony Products:

- **SRR-12624** in 6500L, 90+ CRI, 3000K with various custom pendant lengths
- **0-10V** Remote Drivers









# Bethlehem Central High School



## Installed in 2020

### Symphony Products:

- **SRR-09620** in 5000L, 80+ CRI, 4100K with black aircraft cable
- **DMX** Remote Drivers





High School Auditorium  
Audience View



# Kirlin Custom

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## Custom Fixtures – WIP

Vast majority of these recessed adjustable fixtures are mounted inside in an air-conditioned environment.

Outdoor fixtures are exposed to incredible swings in temperature, and very hot environment.

The best solution: use remote Symphony drivers with identical custom fixtures, a **Kirlin special!**



The background image shows a grand, ornate interior space, likely a theater or a large hall. The ceiling is high and features a large, central, diamond-shaped light fixture with a complex, colorful, and intricate design. The walls are decorated with large, arched, and fluted columns. The overall atmosphere is one of elegance and grandeur.

# Questions?