

Project		Location	
Contact		Date	
Part#		Fixture	

# OmniGrid™

## 2' x 4' Architectural T-Bar Backlighting Fixture



┌
┐  
 Backlit  
 Ceiling  
 Fixture└  
┘

### Description

Take architectural ceiling and perforated wall panels to the next level with OmniGrid™ in an energy efficient integrated backlighting solution that offers bright, even illumination with 170° beam angle for manufacturers and installers of custom ceiling and wall systems.

### Applications

- Ceiling Panels
- Wall Panels



5 YEAR  
WARRANTY



UL US



UL US  
LISTED

-   
 Manufactured in  
 North America
-   
 Drops into 2' x 4'  
 T-bar Grids
-   
 170° wide  
 Beam Angle
-   
 Multiple CCT  
 Options
-   
 Perforated Design  
 Panel Ready
-   
 Acoustic Sound  
 Absorption (Optional)

### Key Features

- Designed for T Grid ceiling and wall systems
- Multiple options for customization
- Seamlessly backlight popular metal perforated design panels
- Super bright, uniform illumination
- Acoustic backer option to reduce ambient noise
- Low-profile, direct wall mount option
- White reflective surface for maximum lumens/sqft

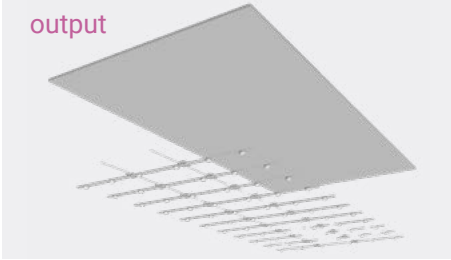
# Specifications

Performance	
Part Number	610130
CRI	≥90
Color Temperature	3000K, 3500K, 4100K, 5300K, 6500K Static White or Tunable White (2700K – 6500K)
Lumens	5940 lm (Standard)   2250 lm (Low Power)
Efficacy	up to 100 lm/W
Lumen Maintenance	L70 at 50,000 hrs
Light Engine	LumiCurtain™ or LumiCurtain™ Tunable
Illumination	Single Face (SFI)
Operating Temp.	-30 °C (-22 °F) ~ +40 °C (+104 °F)
IP Rating	IP20
Environment	Dry location, indoor use only
UL / ETL	UL listed assembly UL file # E346146
Warranty	5 Years
Mechanical	
Standard Size	23.25" x 47.5625"
Hanging Height	N/A
Weight **	6.0 lbs (2.72 kg)
Tray Materials	White powder coated Aluminum
Diffuser Type (optional)	1.5 mm (0.05") White Acrylic 3.0 mm (0.125") White Acrylic
Backer Options	Folded Metal Backer Tray Acoustic Backer Alumacore 2 mm backer
Electrical	
Input Voltage	24V DC
Power Consumption	66W (11 x 6W LumiCurtain™ modules)   25W (11 x 2.27W LumiCurtain™ modules)
Wire size	FT6 Plenum Rated 14 AWG - custom lengths OmniGrid™
Wiring Options	Each assembly must have direct connection to power supply. Do not wire panels in series. Max wire length is 20 ft (6 m) to avoid voltage drop
Connector Options	5' (1500 mm) plenum wire with bare leads (Standard)

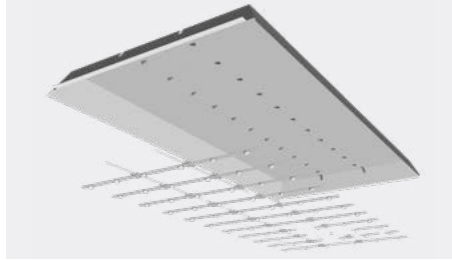
# Customization

## Backer Options

Plain Backer with reflective white surface for maximum lumen output



Folded Aluminum Backer Tray with reflective white surface



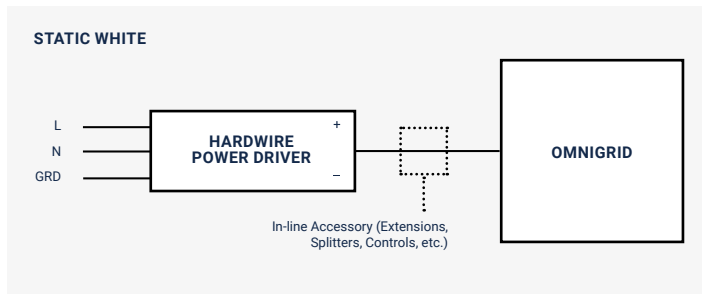
Acoustic Absorption Backer Tray



## Wiring Options

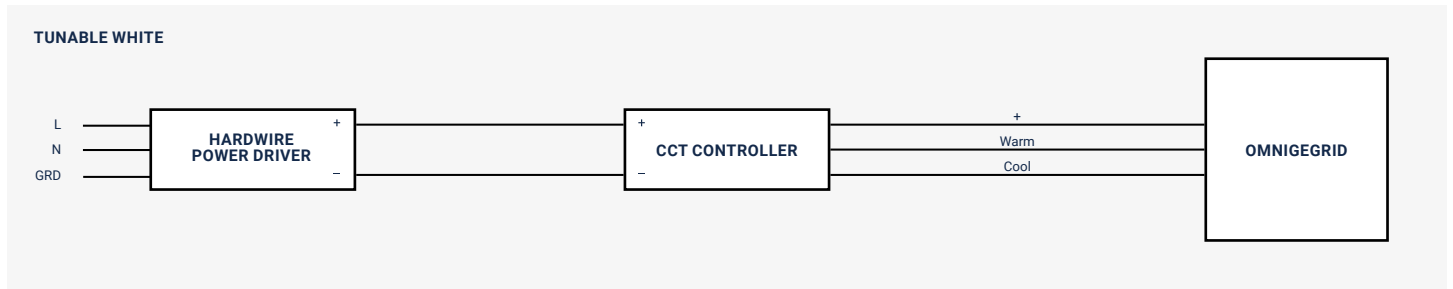
Determine your system components, including a power adaptor, as well as optional dimmer and controller. Use only UL certified power adaptors with the power output that coordinates with your input voltage. Look for your voltage tags at the end of the power cord.

### Wiring with Hardwire Power Adaptors



1. Turn off power to your system at the main breaker
2. Install your system components. Refer to wiring guidelines and approval drawings for each component.
3. Wire power adaptor to each assembly. Ensure the load does not exceed 80% of the maximum rated load of the power driver.
4. Check connections and turn on power at the main breaker.

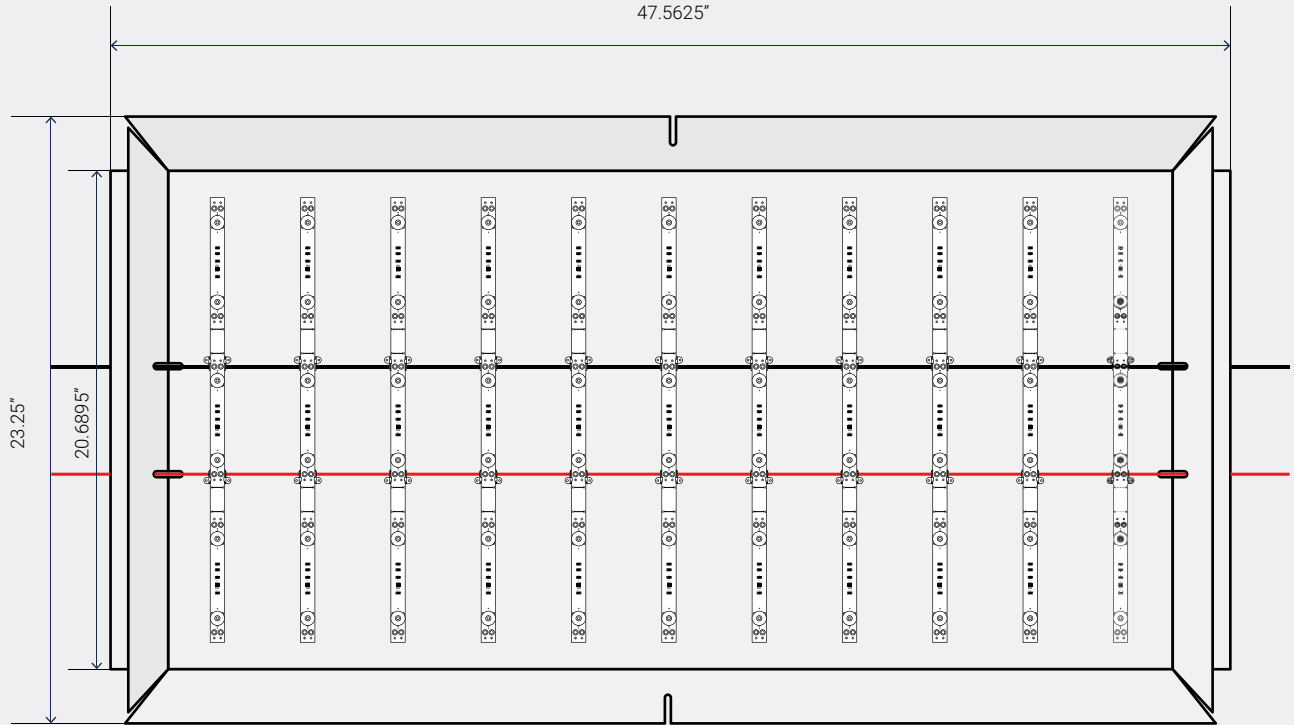
### Wiring Tunable Option



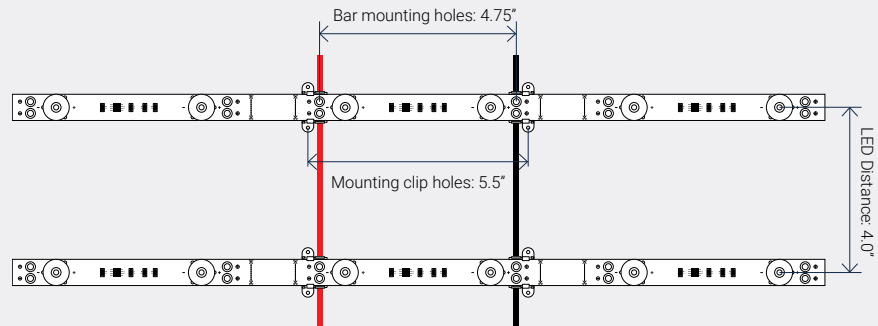
# Product Details

## Assembly, Mounting & Profile View

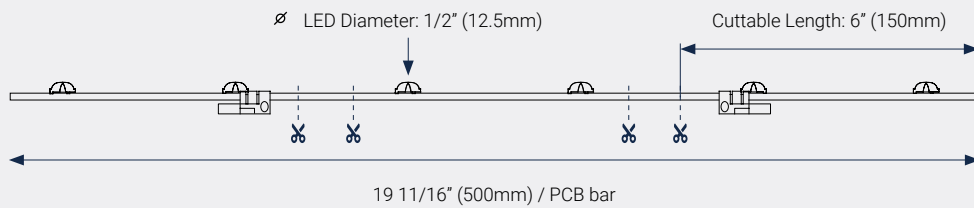
Assembly View



Mounting View



Profile View



# Configurator

Create your OmniGrid™

Lighting House	Backer/Tray	Color Temperature	Voltage	Wattage
610130 – 2x4 Ceiling Grid	822724 – Folded Metal Tray	350 – 3500K	24 – 24V DC	66 – 66W (Standard)
	980248 – Acoustic Backer	410 – 4100K		25 – 25W (Low Wattage)
	980250 – Alumacore Backer	530 – 5300K		
		650 – 6500K		
		000 – Tunable White		

Orders can be placed by choosing all the options and configuration parameters, which generates an order code. Put your order code together by putting the codes from the above tables you would like to have in the same order from above into each cell below.

Lighting House      Backer/Tray      Color Temp.      Voltage      Wattage

## Order Code Example

**610130-822724-350-24-66**

**Breakdown:** OmniGrid™ 2' x 4' Ceiling Grid Lighting House – Folded Metal Tray – Color Temperature 3500K Static White – Voltage 24V DC – Power Consumption is standard 66W.

# Accessories

## Compatible Power Adaptors

### Hardwire Power Drivers

Part Number	AC Input Range	DC Voltage	Rated Current	Rated Wattage
950037	100V AC ~ 277V AC	24V DC	2.5A	60W
950038	100V AC ~ 277V AC	24V DC	4.0A	96W

### 5-in-1 Dimming Power Drivers

Part Number	AC Input Range	DC Voltage	Rated Current	Rated Wattage
951004-24-096	100V AC ~ 277V AC	24V DC	4.0A	96W
951006-24-192	100V AC ~ 277V AC	24V DC	2 x 4.0A	2 x 96W

## Power Controllers

### RF Tunable White Wall Controller

Part Number	DC Voltage	Channels	Dimming Control	Rated Wattage
970043	12V – 24V DC	N/A	PWM	700W Max.

### DMX Controller / Decoders

Part Number	DC Voltage	Channels	Dimming Control	Rated Wattage
970032	12V – 24V DC	4 CH	N/A	96-288W /Channel
970033	12V – 24V DC	5 CH	N/A	96-192W /Channel

### Power Repeater

Part Number	DC Voltage	Channels	Dimming Control	Rated Wattage
970037	12 – 36V DC	4 CH	N/A	60 – 180W /Channel

### DMX Wall Controller

Part Number	DC Voltage	Channels	Dimming Control	Power Consumption
970041	12V – 24V DC	2 CH	Tunable White (1–100%)	< 20mA
970042	12V – 24V DC	4 CH	RGB / RGBW (1–100%)	< 20mA

## Safety Disclaimer

Determine your system components, including a power adapter, as well as optional dimmer and controller. Use only UL certified power adapters with the power output that coordinates with your input voltage. Do not apply 24V DC to 12V DC panels, as within seconds the result may be burned LEDs or fire. Look for your voltage tags at the end of the power cord.