

A wide-angle photograph of a modern office interior. The ceiling is white with recessed LED light strips. The floor is dark grey. In the foreground, there are several round wooden tables with blue metal legs and bright red armchairs. In the background, there are more tables and white chairs, and large windows on the right side. The text "LED Ceilencio®" is overlaid in the center, with "by JLC • tech" below it.

# LED Ceilencio<sup>®</sup>

by JLC • tech

Specifically designed for **decoustics** Ceilencio<sup>®</sup> Ceiling

SAINT-GOBAIN

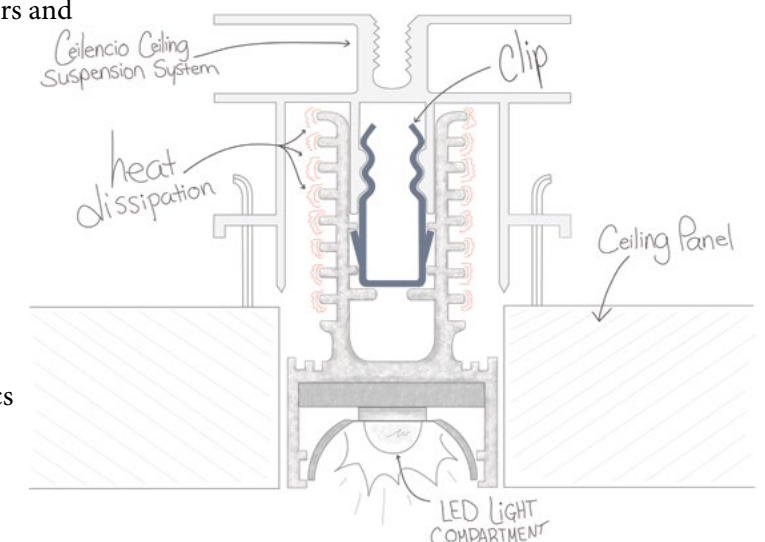


# LED Ceilencio®

JLC-Tech, a pioneer for architecturally integrated LED lighting solutions, has teamed up with Decoustics, a custom ceilings manufacturer, to develop the integrated ceiling and LED lighting solution for Ceilencio Ceiling: LED Ceilencio. The minimalistic design and tool free installation of JLC-Tech's LED Ceilencio lights, together with the Decoustics' Ceilencio suspension ceiling system, streamlines the installation process for lighting and ceiling contractors and yields an even higher acoustical quality.

## What makes this possible?

A unique clipping system designed by Decoustics enables the JLC-Tech LED lighting fixture to be clipped into place within the Ceilencio suspension grid. This clip allows the lighting to be installed separately from the ceiling system and panels. The special Decoustics ceiling panels are therefore left intact preserving 100% the acoustical quality of the environment.







### ***Versatile Ceiling Options***

LED Ceilencio® can be integrated with many Decoustics' products, including:

- Claro® acoustical panels
- Metallo® metallic-finish acoustical panels
- Quadrillo®, Solo-M, Fori™ and Rondolo™ perforated natural wood acoustical panels
- A full range of acoustical fabric-wrapped panel options

Sports Cardiology BC - Vancouver, Canada  
Perkins + Will



### ***LED Ceilencio Key Benefits***



- JLC-Tech's LED lights can save up to 50% on installation costs versus conventional lighting as the product requires no tools for installation or special tile fittings.
- Uninterrupted use of ceiling panels for a uniform ceiling design allows for better acoustics and improved ceiling light reflectance.
- Due to its low profile, LED Ceilencio integrates into the ceiling system leaving the plenum space above unoccupied allowing for easy access.
- The LED Ceilencio lights do not contain mercury and can be recycled keeping harmful toxic chemicals and excessive waste out of our landfills and water. In addition, the low voltage system saves even more energy and reduces maintenance.
- LED lights are available in standard two foot, 30", four foot and five foot lengths.
- LED Ceilencio's elegant linear profile leaves an unforgettable architectural statement.

## LED Ceilencio diffusing lens



## LED Ceilencio cut-off reflector



### PRODUCT CONCEPT

LED Ceilencio with diffusing lens for direct lighting is equipped with a 95%-clear micro prismatic lens for controlled distribution: a clever choice for illuminating spaces with a lighting fixture that blends with the architectural design of your ceiling, simultaneously creating an elegantly stunning light effect. Perfect for corporate offices, medical/health, educational facilities and more.

### DESCRIPTION

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic lens with micro prisms for a low-glare effect.

### PRODUCT CONCEPT

LED Ceilencio with full cut-off reflector over each LED combines the best high power LED technology with a sleek architectural design offering zero reflectance glare from the ceiling: a great choice for applications where a concentrated angle of light is desired on task areas or table top surfaces.

### DESCRIPTION

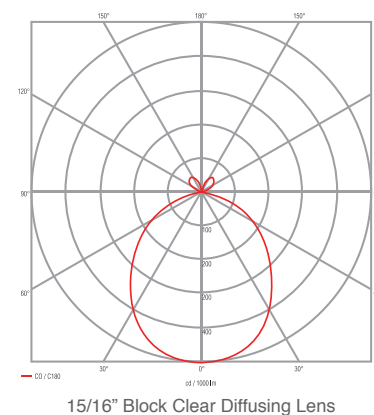
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high reflectance 98% aluminum-coated PC reflectors on each LED for an intense direct and dark-light effect.



## LED Ceilencio block clear diffusing lens



LED lighting facts <sup>®</sup>	
Block Clear Diffusing Lens 15/16"	
Light Output (Lumens)	1026
Watts	15.77
Lumens per Watt (Efficacy)	65.06
Color Accuracy Color Rendering Index (CRI)	82
Light Color Correlated Color Temperature (CCT)	4585 (Daylight)
Warm White	Bright White
2700K	3000K
4500K	6500K
Warranty**	Yes



### PRODUCT CONCEPT

LED Ceilencio with clear acrylic block diffuser has an added unique combination of direct and indirect illumination. Designed with satin edges and clear sides, this model creates a particular architectural statement while distributing the lumens over the entire space. Create an array of linear geometrical light patterns or use this as an accent light for special decorative projects.

### DESCRIPTION

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, acrylic block diffusing lens, satin edges and clear sides, to allow the light to diffuse for a direct and indirect lighting combination.



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# Remote LED Driver Options

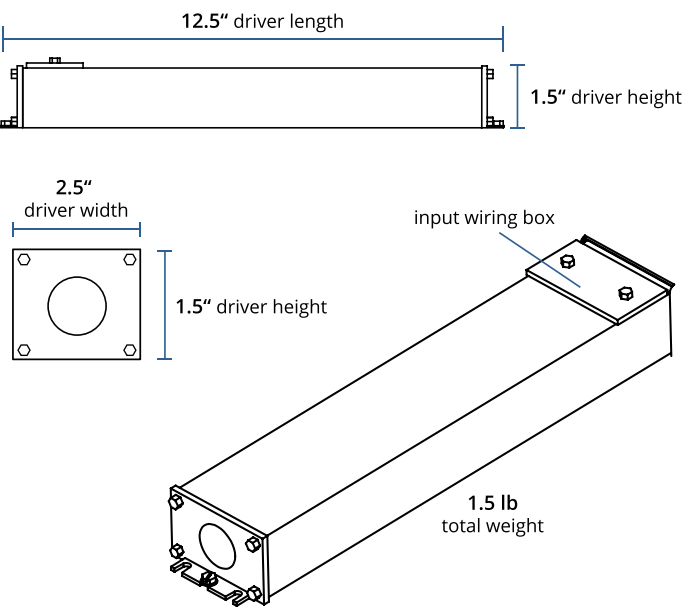
Lutron dimmable driver options available.

The LED Ceilencio runs as a Class 2 installation on 24V DC power with only one remote nominal 100W driver required to illuminate up to 12 linear feet of product. Multiple fixtures are easily daisy chained together with factory ready quick connectors to allow multiple product connections. This simplified power system uses fewer and less expensive electrical materials for installation resulting in a lower cost as well as reduced energy loss.

In addition to offering a single nominal 100W remote driver, JLC-Tech has gone one step further to simplify field installations by offering a 4-pack-factory pre-assembled driver solution. This nominal 400W remote driver package can power up to 48 feet of LED Ceilencio. JLC-Tech is truly revolutionizing the way designers integrate light with suspended grid ceilings!

## 24VDC LED Driver 96W Power Supply

*dimmable and non-dimmable*



96W max single output Class 2 power supply, universal input voltage 100-277vac, output 24VDC. This power supply includes a JB compartment for AC input direct wiring with metal conduit. Available also with dimming option low voltage 0-10V.

**Notes:**

LED Ceilencio modules can be parallel connected up to 12 linear feet max per power supply. Available with 0-10Vdc nominal 1% dimming option.

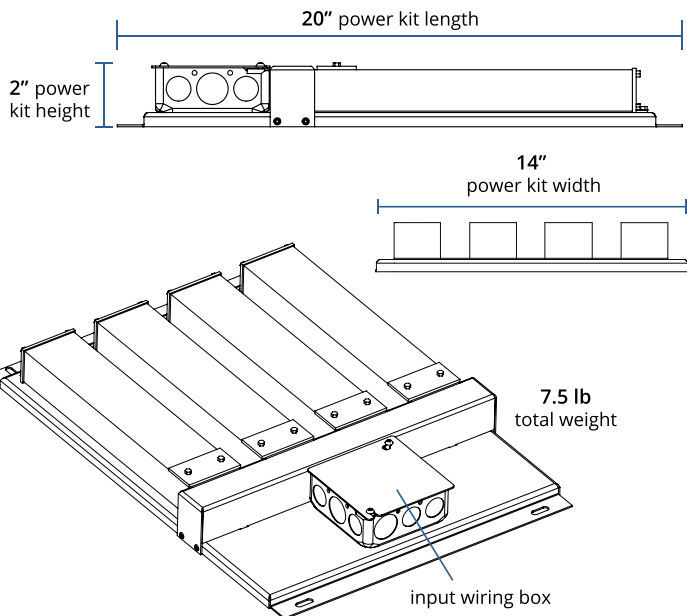
**Wiring Chart:**

Gauge	Length
18 (0.75 mm <sup>2</sup> )	30ft (9m) maximum
16 (1.5 mm <sup>2</sup> )	45ft (14m) maximum
14 (2.0 mm <sup>2</sup> )	70ft (21m) maximum

\* Driver to product and product to product connection by others

## 24VDC LED Driver 384W Power Supply

*dimmable and non-dimmable*



The 384W unit is a pre-assembled power kit using four of our standard class 2 power supplies, creating a unit capable of powering 48 feet of product. The electrical characteristics of each Class 2 channel are the same as our individual 100W power supply. Available also with dimming option low voltage 0-10V.

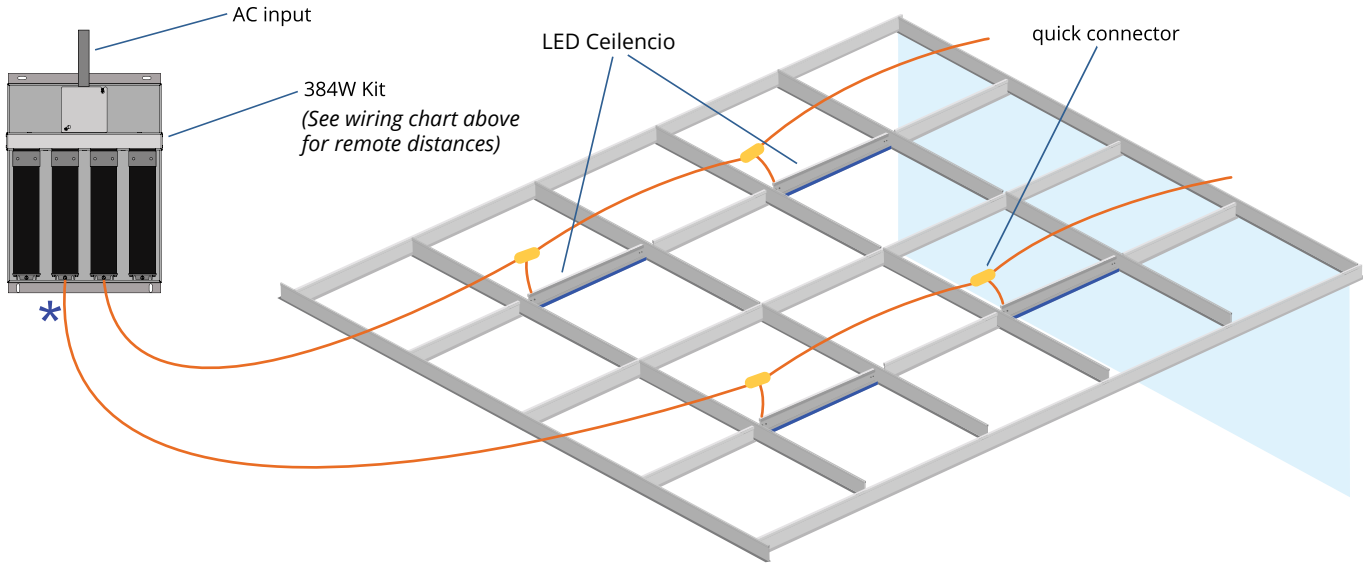
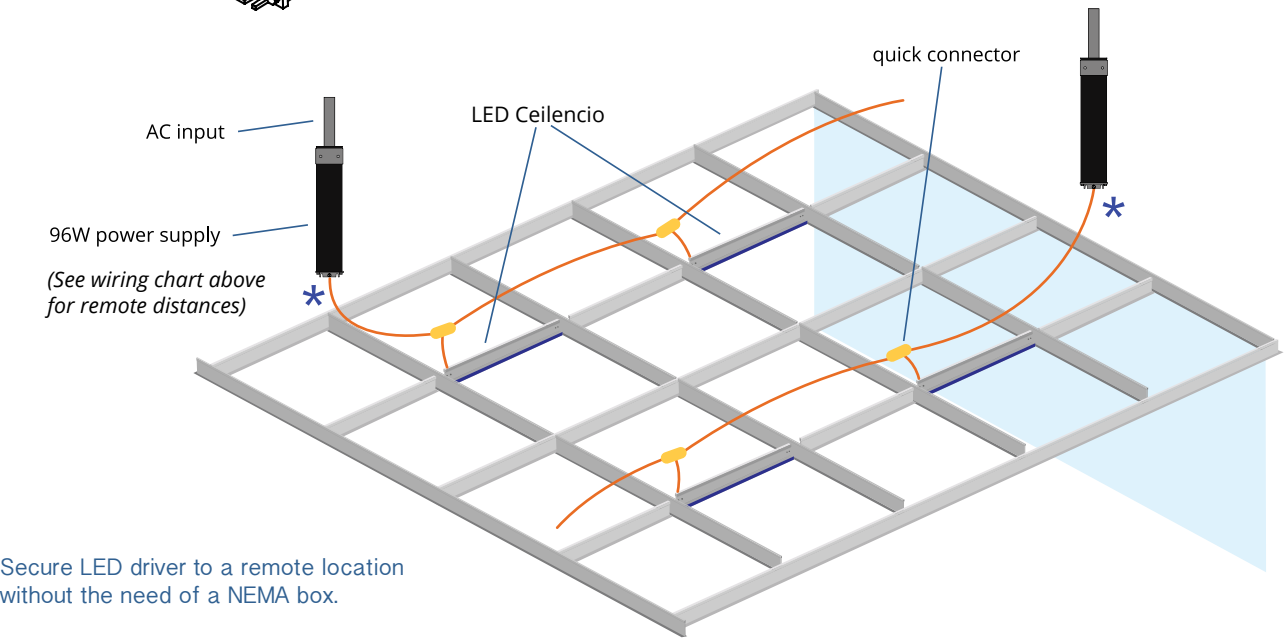
**Notes:**

LED Ceilencio modules can be parallel connected up to 12 linear feet max per channel totaling 48 linear feet of illuminated product. Available with 0-10Vdc nominal 1% dimming option.

**Wiring Chart:**

Gauge	Length
18 (0.75 mm <sup>2</sup> )	30ft (9m) maximum
16 (1.5 mm <sup>2</sup> )	45ft (14m) maximum
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\* Driver to product and product to product connection by others





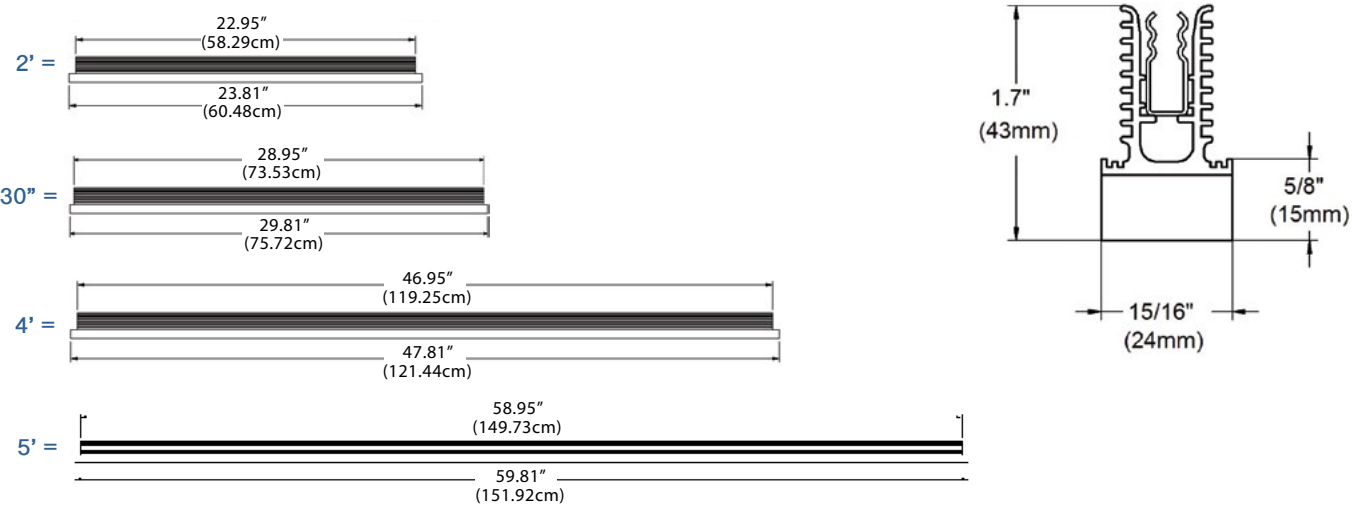


Specified Interiors Inc. - Houston, TX

LED Ceilencio - Order Specification Guide

Product Name	Type of LED/K Color	Size	Grid Type	Optic	Mounting Clips	Color
CNCL = LED Ceilencio	HW = Warm White 3000K MW = Medium Warm 3500K MN = Medium Neutral 4000K HN = Neutral White 4500K	2 = 2 ft 30 = 30" 4 = 4 ft 5 = 5 ft	24 = 15/16"	D = Diffusing Lens C = Cut-Off Reflector B = Block Clear Diffusing Lens	D = Decoustics C = Custom	W = White C = Custom

Length Sizes



CRI = >82

NOTES:

LED Ceilencio modules can be parallel connected up to 12 linear feet max per remote power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. (Refer to wiring chart).

APPLICATIONS:

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas using Ceilencio Ceiling Suspension System by Decoustics that require a unique and elegant architectural lighting design.

MOUNTING:

Proprietary clip design for easy installation into dedicated elements of the Ceilencio ceiling suspension system.

MATERIALS:

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens (diffusing, block diffusing lens), or high reflectance 98% aluminum coated PC reflectors on each LED for a dark light effect (cut-off reflector).

ELECTRIC:

High output LEDs consume 8W per linear foot. Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

LIGHT OUTPUT:

Diffusing = 532lm per foot

Cut-Off Reflector = 566.5lm per foot

Block Clear Diffusing = 513lm per foot

WARRANTY:

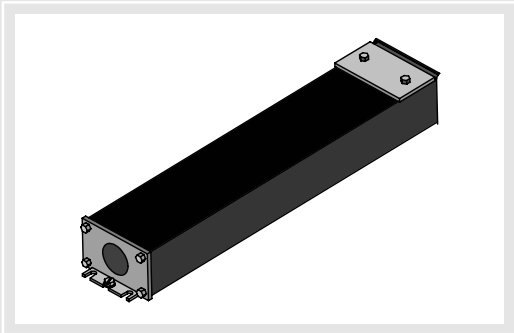
5 years

LISTINGS:

ETL/cETLus CE RoHS Indoor use only.

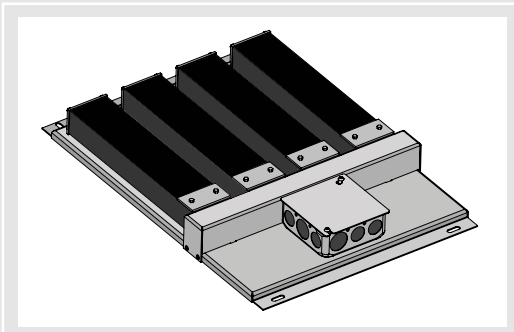


LED Ceilencio®  
Power Supply Options



24VDC LED Driver 96W Power Supply  
0-10 VDC dimmable and non-dimmable

LED Ceilencio modules can be parallel connected up to 12 linear feet max per power supply. Power supply includes JB compartment for AC input direct wiring with metal conduit.



24VDC LED Driver 384W Power Supply  
0-10 VDC dimmable and non-dimmable

LED Ceilencio modules can be parallel connected up to 12 linear feet max per channel totaling 48 linear feet of illuminated product. Power kit includes JB for AC input direct wiring with metal conduit.

LUTRON®  
Power Supply Options



40W HI-LUME®  
1.0% Ecosystem™ or 3-wire

LED Ceilencio modules can be parallel connected up to 4 linear feet per 40W Hi-Lume driver. Lutron's 40W HI-LUME® driver provides smooth, flicker-free dimming from 100% to 1.0%. UL-Listed for remote use.



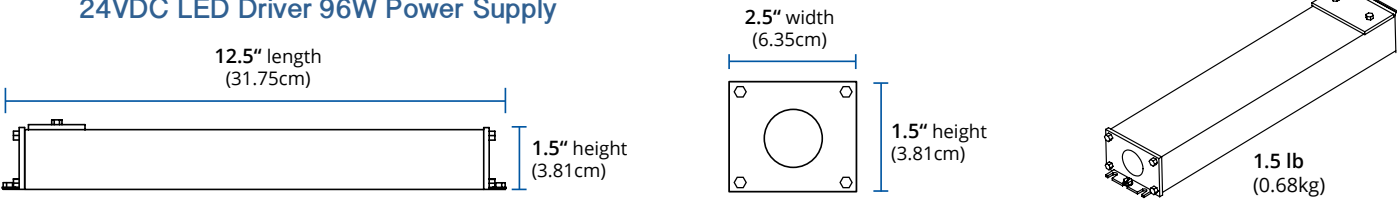
96W HI-LUME® Premier  
0.1% Ecosystem™ or 3-wire

LED Ceilencio modules can be parallel connected up to 12 linear feet max per 96W Hi-Lume driver. Lutron's 96W HI-LUME® driver provides smooth, flicker-free dimming from 100% to 0.1%. UL-Listed for remote use.

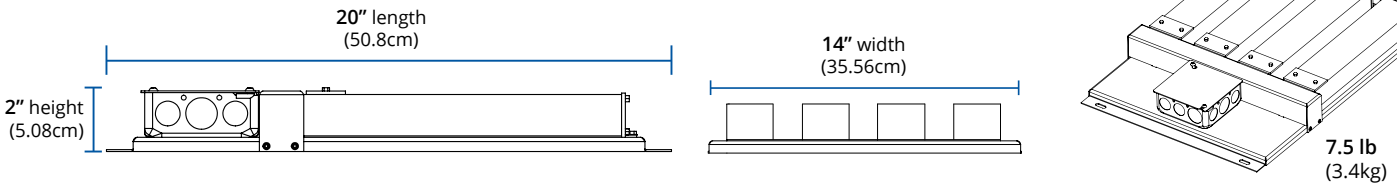
Remote Drivers - Order Specification Guide

Product Name	Driver Type	Power	Wattage	Voltage
CNCL = LED Ceilencio Power Supply	PS = Non-Dimmable DIM = Dimmable 0-10 VDC	HP = High Power	100W = 96W 400W = 384W	UNV = Universal 100-277V
Lutron Item Number	Description			
CNCL-L3DA4U1UKL-CV240	40W HI-LUME® 1.0% EcoSystem™ or 3-wire / 24Vdc Driver / Universal 100-277V			
CNCL-L3D0-96W24V-U	96W HI-LUME® 0.1% EcoSystem™ or 3-wire / 24Vdc Driver / Universal 100-277V			

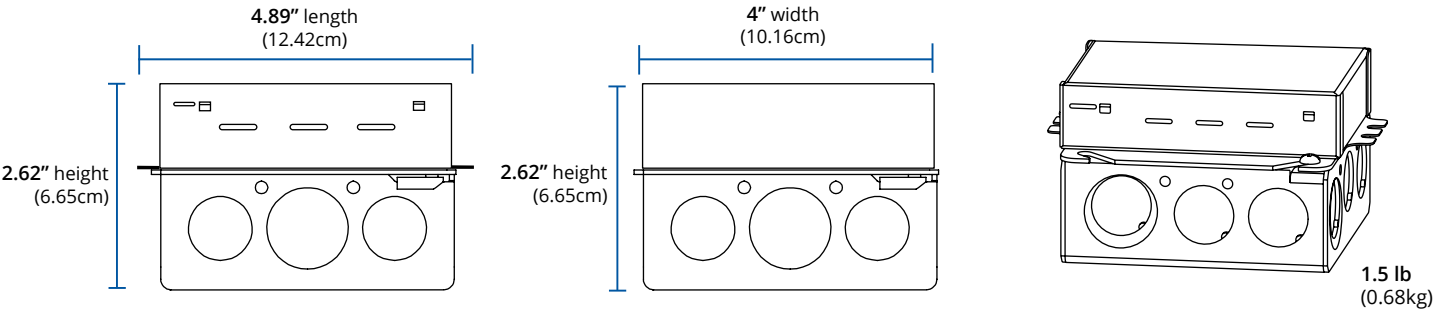
24VDC LED Driver 96W Power Supply



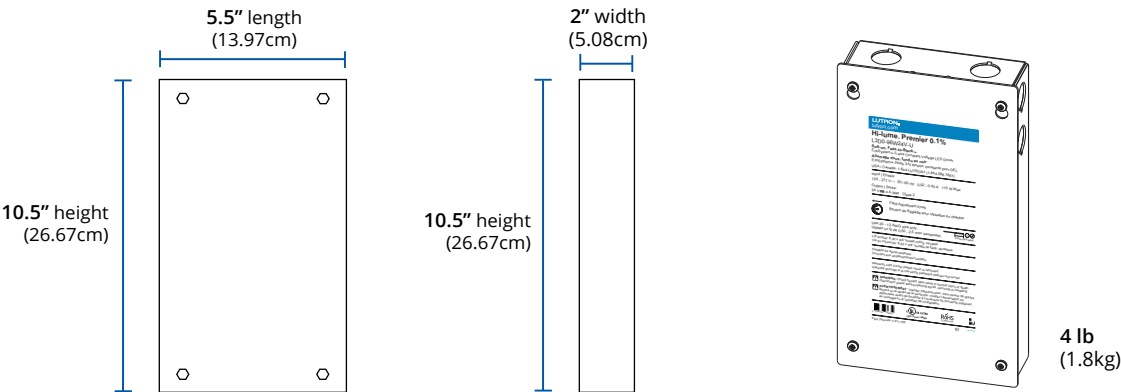
24VDC LED Driver 96W Power Supply



LUTRON® 40W HI-LUME® Power Supply



LUTRON® 96W HI-LUME® Premier Power Supply







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Contact us to learn how to incorporate LED Ceilencio® into your next project, [www.JLC-Tech.com/LEDCeilencio](http://www.JLC-Tech.com/LEDCeilencio)  
For more information on [decoustics](http://www.Decoustics.com) Ceilencio® ceiling suspension system visit [www.Decoustics.com](http://www.Decoustics.com)