TRIDENT

WET-RATED LINEAR PROFILE

senso by luminii

IP68 IK10

Architectural SSL Magazine PIA'22 product innovation award



Trident - IP68 & IK10 Rated Linear Profile. The Trident is designed for applications where your space is exposed to wet conditions. It is our first linear profile designed with the LED encapsulation process in mind to ensures a properly cured, vandal resistant seal with hard resin. With many options available, it is highly modular, versatile and easy to install.

Ordering Code

Fixture	455	405						
	1	2	3	4	5	6	7	8

Product Specifications

SAMPLE : *Fixture* 455 - 405 - FH - LO - 27 - 02 - E36 - 6'

1 - Type

455 · IP68 & IK10 Rated Profile

2 - Model

405 · Trident

3 - Resin

FS · Frosted Soft
CS · Clear Soft
FH · Frosted Hard
CH · Clear Hard

4 - LED Style*1

Static White

LO · LLHE48LO Low Output
SO · LLHE48SO Standard Output
MO · LLHE48MO Medium Output
HO · LLHE48HO High Output

Dynamic Color*2

DWSO · LLDW68SO Dynamic White Standard Output
DWHO · LLDW68HO Dynamic White High Output
RGBSO · LLRGB42SO Color changing Standard Output
RGBHO · LLRGB42HO Color changing High Output
RGBWSO · LL-RGBW36-SO Color changing Standard Output
RGBWHO · LL-RGBW36-HO Color changing High Output

5 - CCT

Static White

25 · 2500K
27 · 2700K
30 · 3000K
35 · 3500K
40 · 4000K

Dynamic Color*2

1935 · 1900K - 3500K*4
98 · RGB Color changing
99 · RGB+W Color changing

6 - Finish

02 · Black*3
08 · Silver

7 - Feed Length

B36 · 36" Back Fed
E36 · 36" End Fed
BXX · Custom Back Fed
EXX · Custom End Fed

8 - Fixture Length*1

XX · Custom *(XX.XX")*

Continuous runs will be made in equal sections no more than 8' long

NOTE: *For Channels and Lenses over 90", incremental shipping charges will apply*

*1 Refer to page 2 for LED cut length intervals and available CCT
*2 DMX driver required
*3 Anodized finish
*4 Please ask about different CCT ranges

Project : _____
Quantity : _____
Type : _____
Notes : _____

5 YEAR WARRANTY · cULus LISTED · RoHS · MADE IN CANADA

403-216-7043 | sensolighting.com

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LED Technical Information

	STYLE	WATT/FT	DELIVERED LM/FT CLEAR	DELIVERED LM/FT FROSTED	CRI	MAX. LENGTH	Color TEMPERATURE
Static White	LLHE48LO	1.9	160	102	92	48'	2200K, 2500K, 2700K, 3000K, 3500K, 4000K
	LLHE48SO	2.8	228	146	92	42'	
	LLHE48MO	3.5	304	195	92	33'	
	LLHE48HO	7.3	488	313	90	21'	
Dynamic Color	LLDW68SO-1935	4.1	251	186	95	32'	1900K - 3500K
	LLDW68HO-1935	5.2	273	202	96	32'	
	LLRGB42SO	4.4	149	81	–	28'	Red/Green/Blue
	LLRGB42HO	7.7	231	126	–	28'	
	LLRGBW36SO	4.1	127	94	97	26'	Red/Green/Blue White LED 97 CRI / 3000K
	LLRGBW36HO	7.6	281	153	97	26'	

* Lumen output calculations based on 3500K.
For LED strip information, See the page for:

LLHE48 HERE.
LLDW68 HERE.
LLRGB42 HERE.
LLRGBW36 HERE

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Resin & Profile Features

Top Layer

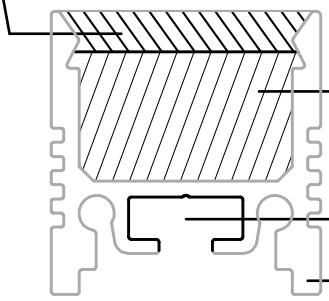
The top resin layer of the Trident acts as the lens and first line of defense for the LED.

Soft cured resin:

Outdoor resistant against rain, snow and direct sunlight as well as intense conditions like hail and acid rain. The resin is also thermal resistant against thermal cycles and drastic changes in temperature. Chemicals like detergents or disinfectants will not deteriorate, disintegrate or discolor the soft resin.

Hard cured resin:

The hard cured resin maintains all of the same outdoor resistant features as the soft, but acquires extra physical resistance as well. Abrasion resistance will keep the resin intact even after wear, impact or high levels of pressure are applied. It will prevent vandalism and resist fire and ignition. The hard resin allows any profile to be floor mounted.



Fill Layer

The fill layer of the wet rated Trident main purpose is to fully encapsulate and protect the LED strip. This fully sealed layer is able to maintain quality of light without any color shift. The fill layer will not yellow over time and will keep perfect CRI and color- consistency over the lifespan of the LED.

Mounting Options

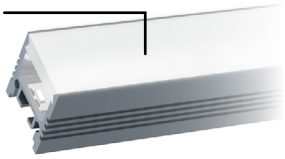
The Trident profile has a built-in channel for attaching a variety of mounting clips. Either surface, adjustable mount or suspended, all mounting options are suitable for outdoor installation. See page 3 for details.

Aluminum Extrusion

Trident, along with all our profile fixtures, are made of anodized aluminum. This allows our profile to be as thin as possible while maintaining rigidity, limiting flex over long runs.

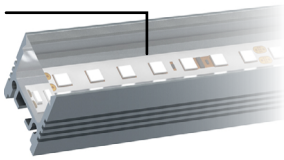
Top Layer Finish

Frosted Resin



The frosted resin top layer is available in both hard and soft options. It offers a soft diffused light with no dots.

Clear Resin



The clear resin top layer is the best option for maximum light efficiency. Low light loss allows you to get the most out of each LED.

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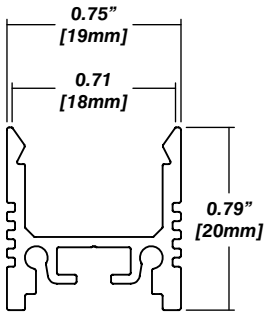
Construction

- High quality poured resin lens
- Hard, soft, clear and frosted resin options
- Aluminum extruded profile

Installation

- Factory assembled for easy and fast installation
- Electrical wire included

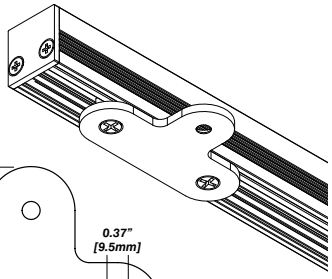
Dimensions

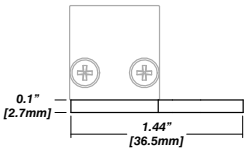


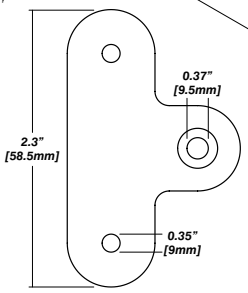
Surface Mount Bracket

part number 455-405-25

- Stainless steel construction
- Allows mounting to surfaces with a variation up to 0.1" (2.7mm)
- For flat surfaces only



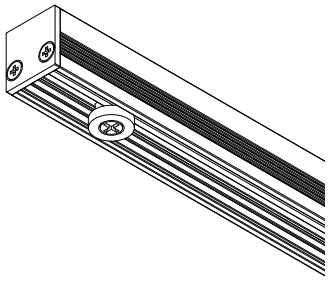


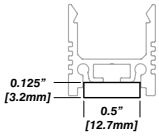


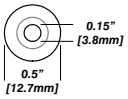
Flush Mount Magnet

part number 455-405-14

- Steel construction
- High strength magnets
- Not visible once installed
- For flat surfaces only

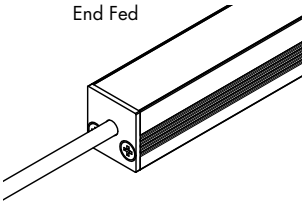




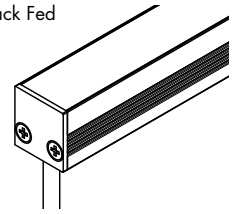


Feed Points & Joining Sections

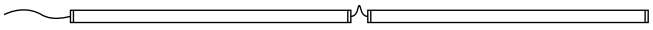
End Fed



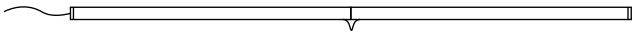
Back Fed



- Typical 2" jumper on runs over 8'



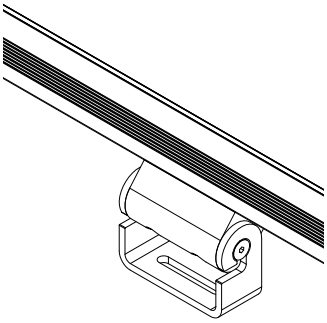
- Seamless profile with back fed jumper

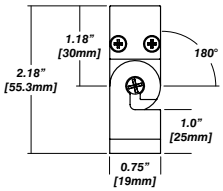


Adjustable Bracket

part number 455-405-12

- Tilts up to 180°
- Aluminum construction
- Raises Trident by 1.0" [25mm]

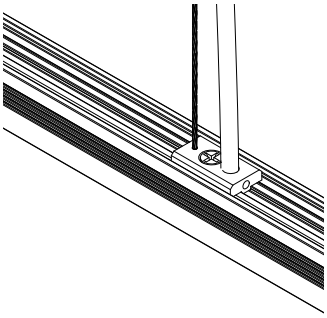


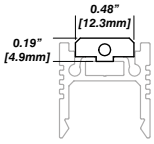


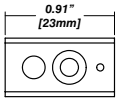
Suspension

Fixture Mount

- Machined aluminum construction
- Custom suspension length
- Included aircraft cable





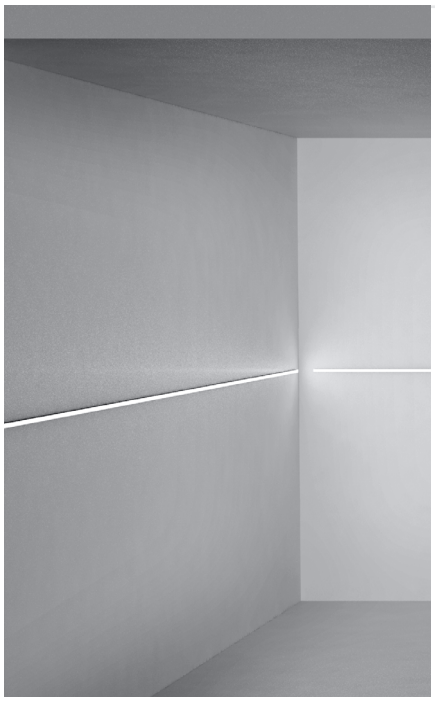


Canopy

- Aluminum construction
- Gripper for aircraft cable and feed
- Includes 8 feet of each cable



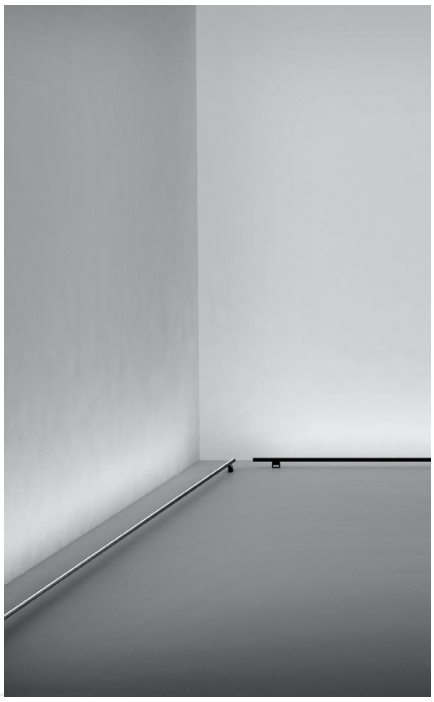
5 YEAR WARRANTY · c UL us LISTED · RoHS · MADE IN CANADA



Flush / Surface Mounted

Part Number 455-405-25 Bracket
Part Number 455-405-14 Magnet

Flush mounting allows for the most discreet installation of linear profile lighting without the need for extensive modification to a space. Either bracket or magnet will achieve the minimalism expected from flush mount applications.



Adjustable Bracket Mount

Part Number 455-405-12

Linear profile mounted by adjustable brackets offers maximum movement in fixed placement. 180 degrees of rotation means the lighting works for the setting, not the other way around.



Suspended System

The Trident profile is equipped with suspension mounting without compromising the weatherproof housing of the LED strip.

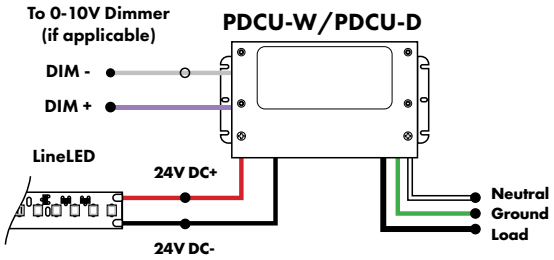
Universal Power Supply 1% 120VAC - 277VAC

Universal Power Supply 1% 120VAC - 277VAC

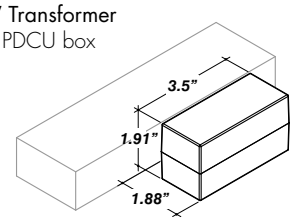
MODEL		POWER		OUTPUT
	-		-	
PDCU-D - IP20 Dry Series		30 - 30 W 60 - 60 W 96 - 96 W		24 - 24 VDC
PDCU-W - IP66 Wet Series		30 - 30 W 60 - 60 W 96 - 96 W		24 - 24 VDC

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
Contact Senso to specify 347V transformer.
For a complete details on the Universal Power Supply, see Spec Sheet, Compatible Dimming and Install Guide on the Resources page.

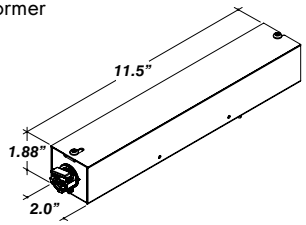
MODELS	PDCU-W 96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W
Length	8.66"	6.10"	7.93"	8.25"
Width	3.73"	3.35"	3.35"	4.10"
Depth	1.61"	1.33	1.32"	1.56"



30W/60W 347V Transformer
attaches directly to PDCU box



96W 347V Transformer
wired to PDCU box



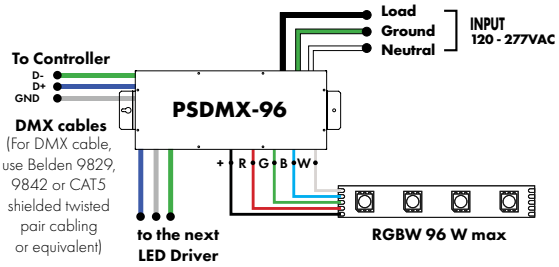
DMX Dimming Power Supply 120VAC - 277VAC

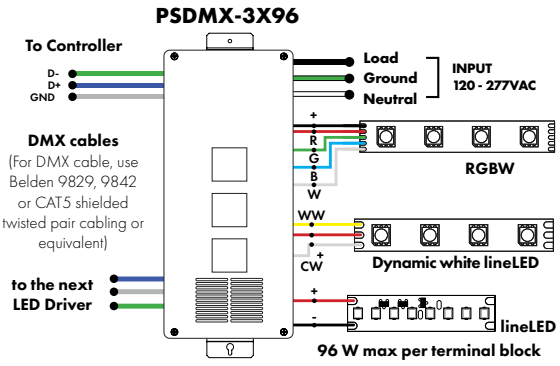
DMX Dimming Power Supplies 120VAC - 277VAC

MODEL		POWER		OUTPUT
	-		-	
PSDMX - DMX Power Supply dims down to 0%		96 - 96 Watt 3X96 - 3 X 96 Watt		24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers. For a complete details on the DMX Dimming Power Supply, see Spec Sheet on the Resources page.

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"





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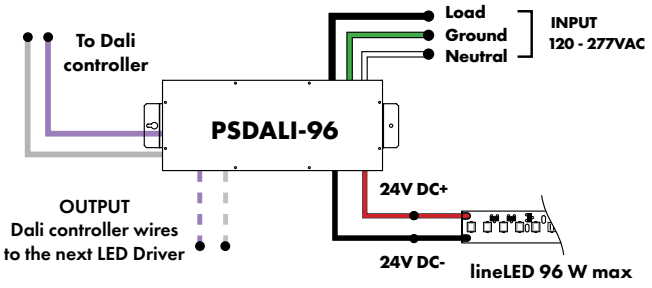
DALI 0% Dimming Power Supplies 120VAC - 277VAC

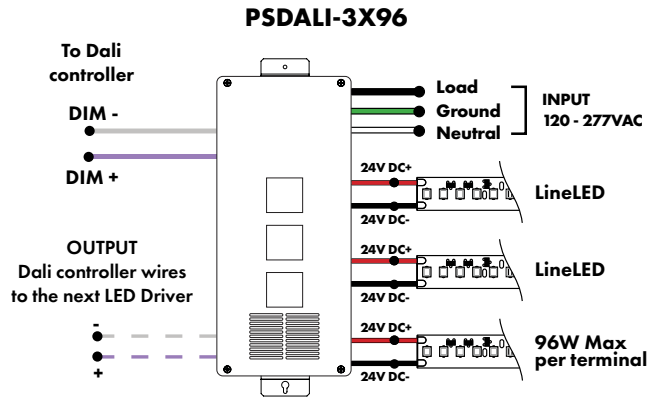
DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL		POWER		OUTPUT
PSDALI -	DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt		24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"





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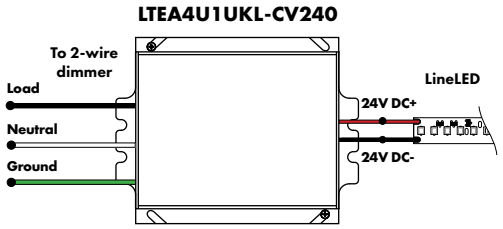
Lutron Power Supplies 1%

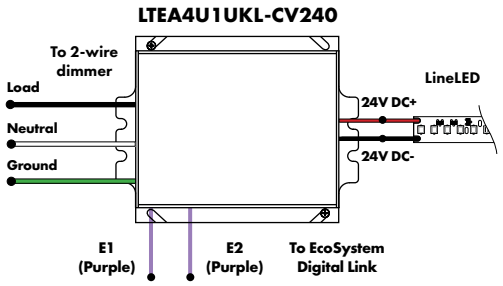
MODEL	MODEL
LTEA4U1UKL-CV240	L3DA4U1UKL-CV240
Lutron - Hi-lume™ 1% 2-wire LED Driver 40W max	Hi-lume™ 1% EcoSystem Voltage LED driver 40W max

(120V forward phase only)

MODELS	LTEA41UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"
Depth	2.62"	2.62"

For a complete details on the Lutron Power Supply, see Spec Sheet and Install Guide on the Resources page.



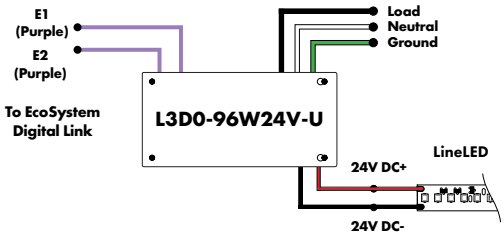


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Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U
Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



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