

KATANA IP

LINEAR PROFILE

 **senso**
by luminii



Katana IP - IP68 and IK10 Rated Linear LED Lighting. The Katana IP is designed for applications where your space is exposed to wet conditions. Our LED encapsulation process ensures a long lasting, vandal resistant seal with hard resin. With many options available, it is highly modular, versatile and easy to install.

Ordering Code

Fixture	455	815					
1	2	3	4	5	6	7	

Product Specifications

SAMPLE : Fixture 455 - 815 - FH - LO - 27 - E36 - 6'

1 - Type	2 - Model	3 - Resin	4 - LED Style ¹	5 - CCT	6 - Feed Length	7 - Fixture Length ¹	
455 · IP68 & IK10 Rated Profile	815 · Katana	FS · Frosted Soft CS · Clear Soft FH · Frosted Hard CH · Clear Hard	Static White LO1W · LLHE48LO-1W 1 Watt LO · LLHE48LO Low Output SO · LLHE48SO Standard Output MO · LLHE48MO Medium Output	Dynamic Color ² DWSO · LLDW68SO Dynamic White Standard Output DWHO · LLDW68HO Dynamic White High Output RGBSO · LLRGB42SO Color changing Standard Output RGBWSO · LL-RGBW36-SO Color changing Standard Output			
22 · 2200K 25 · 2500K 27 · 2700K 30 · 3000K 35 · 3500K 40 · 4000K	1935 · 1900K - 3500K ³	B36 · 36" Back Fed E36 · 36" End Fed BXX · Custom Back Fed EXX · Custom End Fed	XX · Custom (XX.XX) <i>Continuous runs will be made in equal sections no more than 8' long</i>				
			NOTE: For Channels and Lenses over 90°, incremental shipping charges will apply				

¹ Refer to page 2 for LED cut length intervals

² DMX driver required

³ Please ask about different CCT ranges

Project :

Quantity :

Type :

Notes :

LED Technical Information

	STYLE	WATT/FT	DELIVERED LM/FT CLEAR RESIN	DELIVERED LM/FT FROSTED RESIN	CRI	MAX. LENGTH	Color TEMPERATURE
Static White	LLHE48LO-1W	1.0	100	81	92	60'	
	LLHE48LO	1.9	201	163	92	48'	2200K, 2500K, 2700K, 3000K, 3500K, 4000K
	LLHE48SO	2.8	286	232	92	42'	
	LLHE48MO	3.5	382	310	92	33'	
Dynamic Color	DW68SO-1935	4.1	359	275	95	32'	1900K - 3500K
	DW68HO-1935	5.2	391	299	96	32'	
	RGB42SO	4.4	176	135	---	28'	Red/Green/Blue
	RGBW36SO	4.1	182	140	97	26'	Red/Green/Blue White LED 97 CRI / 3000K

* Lumen output calculations based on 3500K.
For LED strip information, See the page for:
LLHE48 [HERE](#).
LLDW68 [HERE](#).
LLRGB42 [HERE](#).
LLRGBW36 [HERE](#)

Resin & Profile Features

Top Layer

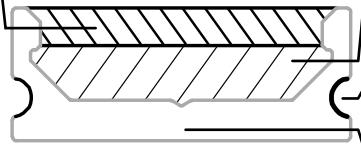
The top resin layer of the IP rated Katana acts as the lens and first line of defense for the LED.

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 IP rated Katana main purpose is to fully encapsulate and protect the LED strip. This fully sealed layer is able to maintain light quality 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 Katana profile has a built-in channels for attaching mounting clips suitable for outdoor installation. See page 3 for details.

Aluminum Extrusion

Katana, 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 and offers a soft diffused light.

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.

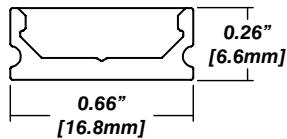
Construction

- High quality poured resin lens
- Hard, soft, clear and frosted resin options
- Housing: Aluminum extrusion

Installation

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

Dimensions



Joining Sections

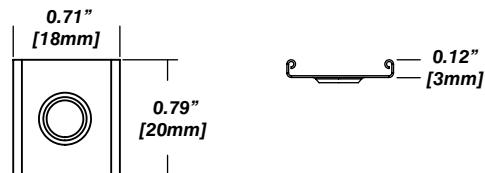
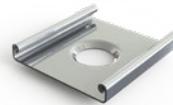
- Typical 2" jumper on runs over 8'



Flush Mount Clip

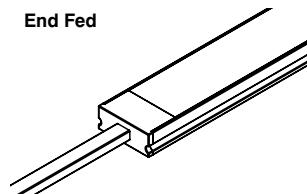
part number **555-815-20**

- Steel construction
- Profile is mounted flush to surface
- Not visible once installed

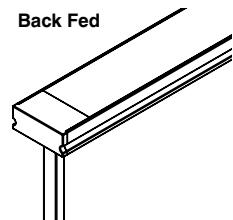


Feed Points

End Fed



Back Fed



Universal Power Supply 1% 120VAC - 277VAC

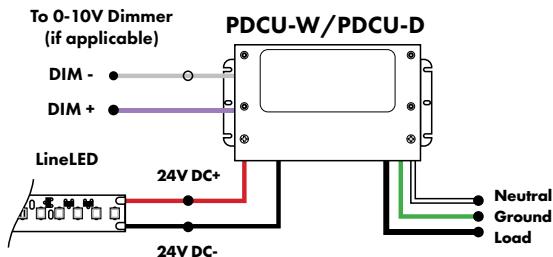
Universal Power Supply 1% 120VAC - 277VAC

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	96 - 96 W	

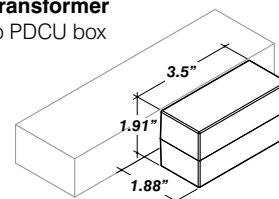
0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.

Contact Senso to specify 347V transformer.

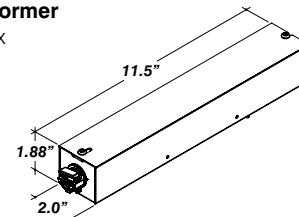
For a complete details on the Universal Power Supply, see Spec Sheet, Compatible Dimming and Install Guide on the [Resources page](#).



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



96W 347V Transformer
wired to PDCU box



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"

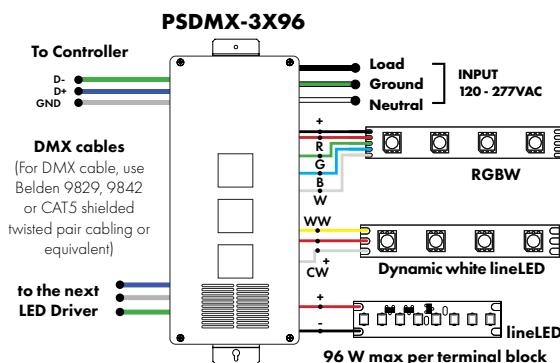
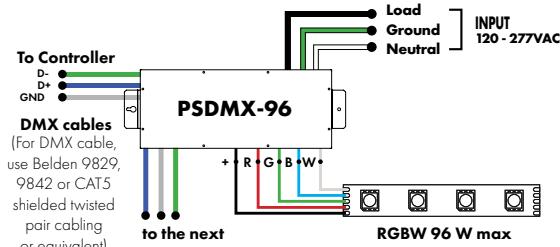
DMX Dimming Power Supply 120VAC - 277VAC

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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Luminii is a Lutron OEM Advantage Partner
Lutron Power Supplies 1%

MODEL

LTEA4U1UKL-CV240

Lutron - Hi-lume™ 1% 2-wire LED Driver
40W max

(120V forward phase only)

MODEL

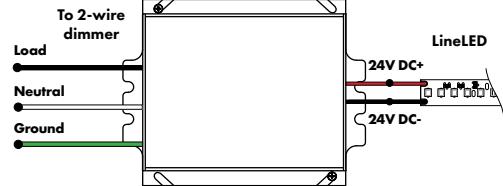
L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver
40W max

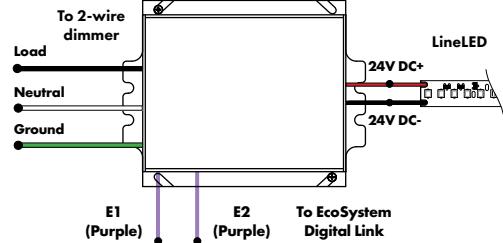
MODELS	LTEA41UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"
Depth	2.62"	2.62"

For a complete details on the Lutron Power Supply, see Spec Sheet and Install Guide on the [Resources page](#).

LTEA4U1UKL-CV240



LTEA4U1UKL-CV240



Luminii is a Lutron OEM Advantage Partner
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"

