

IP68 & IK10 RATED

KATANA IP

LINEAR PROFILE



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



Product Specifications

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

1 - Type		2 - Model	3 - Resin	4 - LED Style*1	
455 · IP68 & IK10 Rated Profile		815 · Katana	FS · Frosted Soft CS · Clear Soft FH · Frosted Hard CH · Clear Hard	Static White L01W · LLHE48LO-1W 1 Watt LO · LLHE48LO Low Output SO · LLHE48SO Standard Output MO · LLHE48MO Medium Output HO · LLHE48HO High Output	Dynamic Color*2 RGB · RGB Color changing
5 - CCT		6 - Feed Length		7 - Fixture Length*1	
Static White 25 · 2500K 27 · 2700K 30 · 3000K 35 · 3500K 40 · 4000K 50 · 5000K	Dynamic Color*2 98 · RGB Color changing	B36 · 36" Back Fed E36 · 36" End Fed BXX · Custom Back Fed EXX · Custom End Fed		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 *2 DMX driver required Project : _____ Quantity : _____ Type : _____ Notes : _____	

LED Technical Information

	STYLE	WATT/FT	LUMENS/FT Clear Resin	LUMENS/FT Frosted Resin	CRI	MAX. LENGTH	Color TEMPERATURE
Static White	HE48LO-1W						
	HE48LO	1.9	201	163	92	48'	
	HE48SO	2.8	286	232	92	42'	2500K, 3000K, 3500K, 4000K, 5000K
	HE48MO	3.5	382	310	92	33'	
	HE48HO	6.5	613	497	92	21'	
Dynamic Color	RGB	4.4	204	---	---	16.4'	Red/Green/Blue

* Lumen output calculations based on 3500K. For other output information, please contact Senso.

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

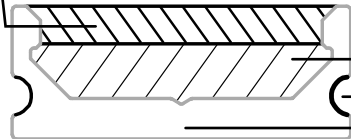
The fill layer of the IP rated Katana main purpose is to fully encapsulate and protect the LED strip. This fully sealed layer is able to maintain light quality without any color shift. The fill layer will not yellow over time and will keep perfect CRI and color- consistency over the lifespan of the LED.

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.



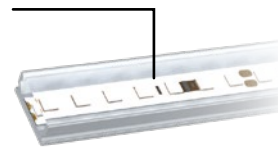
Top Layer Finish

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.

IP68 & IK10 RATED

KATANA IP

LINEAR PROFILE

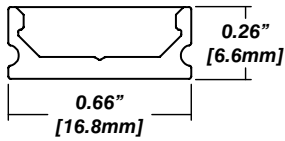
Construction

- 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

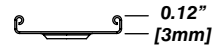
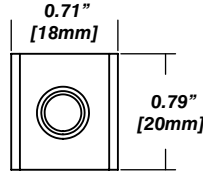
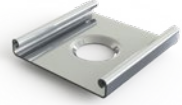
Dimensions



Flush Mount Clip

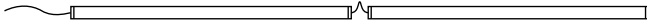
part number **555-815-20**

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

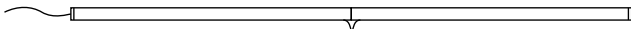


Joining Sections

- Typical 2" jumper on runs over 8'

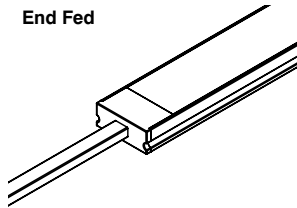


- Seamless profile with back fed jumper

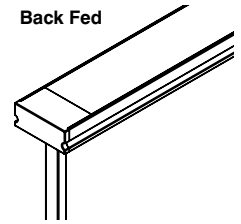


Feed Points

End Fed



Back Fed



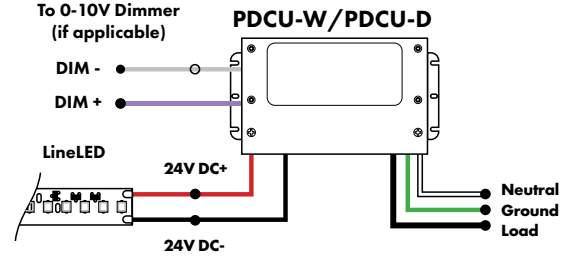
Universal Power Supply 1% 120VAC - 277VAC

Universal Power Supply 1% 120VAC - 277VAC

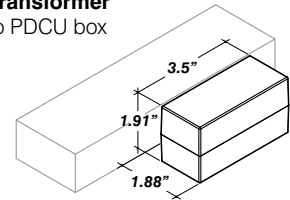
MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

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](#).

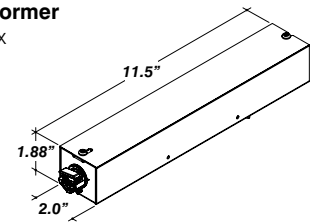
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"



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



96W 347V Transformer
 wired to PDCU box



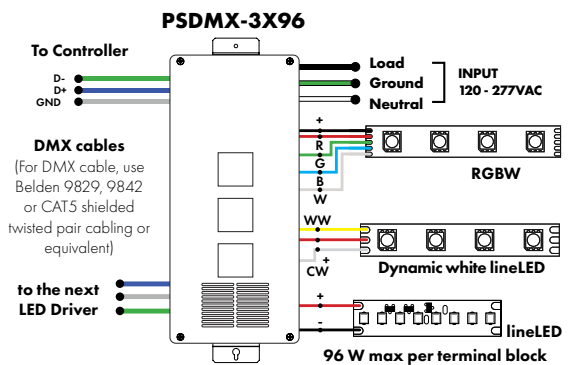
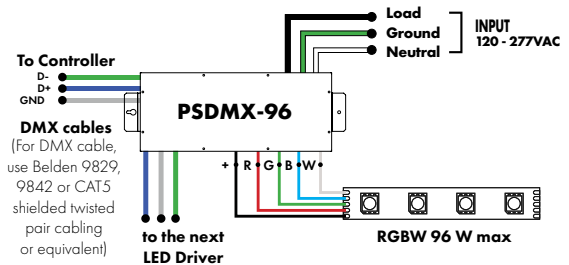
DMX Dimming Power Supply 120VAC - 277VAC

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"



LUTRON®

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](#).

LUTRON®

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"

