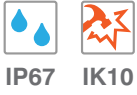


IP67 & IK10 RATED

# KATANA IP

LINEAR PROFILE



**Katana IP - IP67 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	<b>455</b>	<b>815</b>					
	1	2	3	4	5	6	7
Driver							
	1	2	3	4			

## Product Specifications

SAMPLE : Fixture **455 - 815 - FH - 062 - 27 - E36 - 6'** | Driver **906 - 060 - STD - 120**

1 - Type	2 - Model	3 - Resin	4 - LED Style <sup>*1/2</sup>			5 - CCT	
<b>455</b> · IP67 & IK10 Rated Profile	<b>815</b> · Katana	<b>FS</b> · Frosted Soft <b>CS</b> · Clear Soft <b>FH</b> · Frosted Hard <b>CH</b> · Clear Hard	Pro 56 <b>062</b> · 194 <b>117</b> · 376	Pro 112 <b>122</b> · 383 <b>175</b> · 559	RGB <sup>*3</sup> <b>RGB</b> · RGB	Pro 90 <i>CRI</i> <b>27</b> · 2700K <b>30</b> · 3000K <b>35</b> · 3500K <b>40</b> · 4000K <b>50</b> · 5000K	RGB <sup>*3</sup> <b>98</b> · RGB

6 - Feed Length	7 - Fixture Length <sup>*2</sup>	1 - Driver		2 - Wattage	
<b>B36</b> · 36" Back Fed <b>E36</b> · 36" End Fed <b>BXX</b> · Custom Back Fed <b>EXX</b> · Custom End Fed	<b>XX</b> · Custom (XX.XX") <i>Continuous runs will be made in equal sections no more than 8' long</i>	Wet Location <b>906</b> · Outdoor Driver	Dry Location <b>902</b> · Standard Driver <b>908</b> · Magnetic Low-Voltage <sup>*4/6</sup>	Wet Location <b>060</b> · 60W <b>096</b> · 96W	Dry Location <b>025</b> · 25W <sup>*5</sup> <b>040</b> · 40W <sup>*4/6</sup> <b>060</b> · 60W <b>096</b> · 96W

3 - Control				4 - Input Voltage			
Wet Location <b>STD</b> · Standard Driver <b>LCS</b> · 0-10V	Dim Level N/A 1%	Dry Location <b>STD</b> · Standard Driver <b>LCS</b> · 0-10V Driver <b>DMX</b> · Senso <b>DIM</b> · Magnetic Driver	Dim Level N/A 10% 1% 1% <sup>*6</sup>	<b>120</b> · 120V <b>277</b> · 277V <b>347</b> · 347V <sup>*7</sup>	<sup>*1</sup> Measured in Lm/ft (based on 3000K) <sup>*2</sup> Refer to page 2 for LED cut length intervals <sup>*3</sup> DMX driver required <sup>*4</sup> Only available with <b>DIM</b>	<sup>*5</sup> Not available with <b>908</b> driver <sup>*6</sup> Only available in <b>120V</b> <sup>*7</sup> Dry Location only	

## 24V Linear LED Light Source

	STYLE	WATT/FT	LUMENS/FT	CRI	MAX. LENGTH	CUT LENGTH	LED/FT	Color TEMPERATURE
<b>PRO</b>	<b>062</b>	1.5	194	90	32.8'	4.92"	17	2700K, 3000K, 3500K, 4000K, 5000K
	<b>117</b>	2.9	376	90	16.4'	4.92"	17	
	<b>122</b>	2.9	383	90	23.0'	2.46"	34	
	<b>175</b>	4.4	559	90	14.75'	2.46"	34	
<b>RGB</b>	<b>RGB</b>	4.4	204	-	16.4'	3.94"	18	-

\* Lumen output based on 3000K / 90CRI. For other output information, please consult Senso.

## Key LED Strip Features

- 3 STEP MacAdam LEDs or Single Bin LEDs
- Stabilized current design
- LED efficacy up to 171 lm/W
- 24V DC voltage input
- Reverse voltage protection
- 50,000 hour life expectancy

## 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

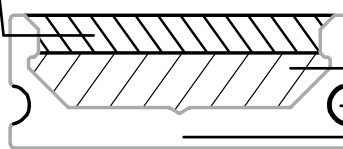
The fill layer of the IP rated Katana main purpose is to fully encapsulate and protect the LED strip. This fully sealed layer is able to maintain light quality without any color shift. The fill layer will not yellow over time and will keep perfect CRI and color- consistency over the lifespan of the LED.

### 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.



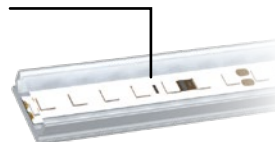
## Top Layer Finish

### 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.

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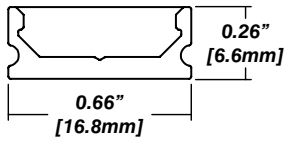
## Construction

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

## Installation

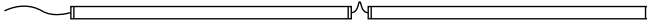
- Factory assembled for easy and fast installation
- Electrical wire included

## Dimensions

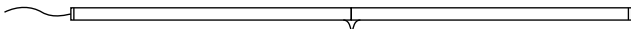


## Joining Sections

- Typical 2" jumper on runs over 8'



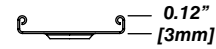
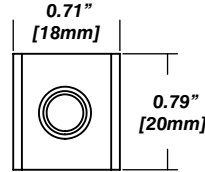
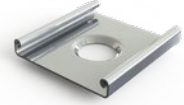
- Seamless profile with back fed jumper



## Flush Mount Clip

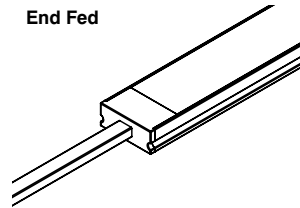
part number **555-815-20**

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

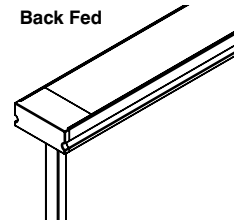


## Feed Points

End Fed



Back Fed



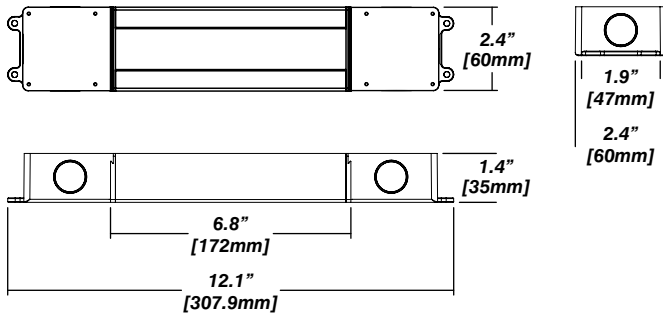
## Driver Data

Driver	Output Voltage	Input voltage	Wattage	Efficiency @ Max Load	Power Factor	Dim Level	Dim Protocol
<b>STD</b>	24V	120V, 277V, 347V	25W - 96W	86%	>0.90	N/A	N/A
<b>LCS</b>		120V, 277V, 347V	60W - 96W	>87%	>0.95	1%	0-10V
<b>DIM</b>		120V	40W - 96W	>90%	>0.95	1%	Magnetic
<b>DMX</b>		120V, 277V	25W - 96W			1%	DMX

## Outdoor Driver

- Outdoor rated IP65
- Built in junction boxes
- 0 - 10V Dimmable and flicker free down to 1%
- CSA Approved
- Class 2, Class P
- Auto-reset protection for short circuit and over-temperature
- Overload protection

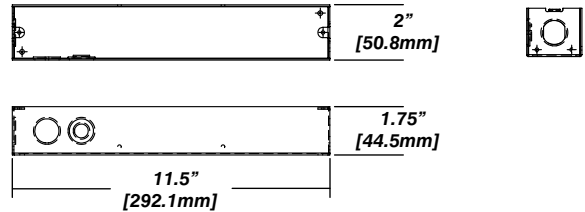
STD and LCS



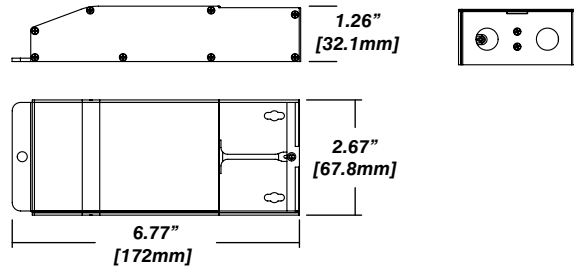
## Indoor Drivers

- CSA Approved
- Class 2, Class P
- 0 - 10V Dimmable and flicker free down to 1%
- Auto-reset protection for short circuit and over-temperature
- Overload protection

STD

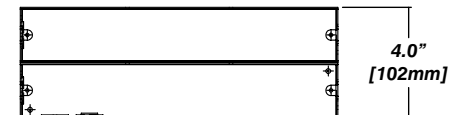


DIM



## 347V

STD



LCS

