KATANA IP

LINEAR PROFILE

IP68   IK10

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	
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

5 - CCT		6 - Feed Length	7 - Fixture Length*1	
Static White **22** · 2200K **25** · 2500K **27** · 2700K **30** · 3000K **35** · 3500K **40** · 4000K	Dynamic Color*2 **1935** · 1900K - 3500K*3 **98** · RGB Color changing **99** · RGB+W 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 *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	LLDW68SO-1935	4.1	359	275	95	32'	1900K - 3500K
	LLDW68HO-1935	5.2	391	299	96	32'	
	LLRGB42SO	4.4	176	135	---	28'	Red/Green/Blue
	LLRGBW36SO	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

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

403-216-7043 | sensolighting.com

## 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.
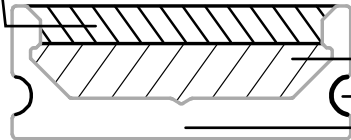
Fill Layer

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.

KATANA IP
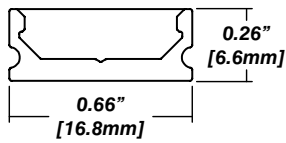*LINEAR PROFILE*

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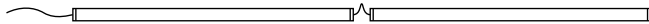- Housing: Aluminum extrusion

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

Dimensions

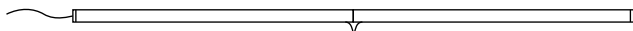**0.26"**
[6.6mm]

0.66"
[16.8mm]

Joining Sections
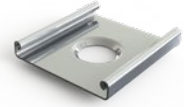- Typical 2" jumper on runs over 8'

- Seamless profile with back fed jumper

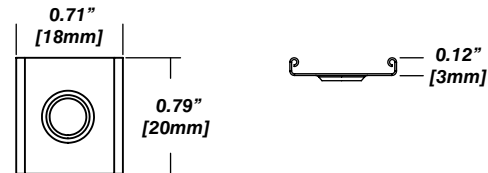## Flush Mount Clip

part number   **555-815-20**

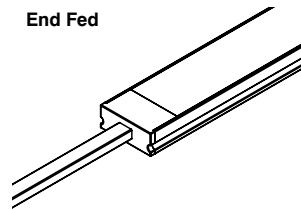- Steel construction
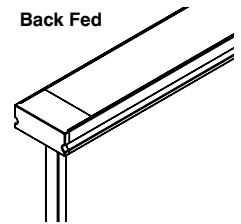- Profile is mounted flush to surface
- Not visible once installed

0.71"
[18mm]

0.79"
[20mm]

0.12"
[3mm]

Feed Points

End Fed

Back Fed

5 YEAR WARRANTY c(UL)us LISTED RoHS MADE IN CANADA

KATANA IP
LINEAR PROFILE

Universal Power Supply 1% 120VAC - 277VAC

Universal Power Supply 1% 120VAC - 277VAC

MODEL	-	POWER	-	OUTPUT

PDCU - D - IP20 Dry Series

30 - 30 W	24 - 24 VDC
60 - 60 W	
96 - 96 W	

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.

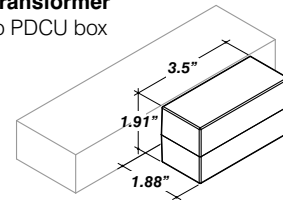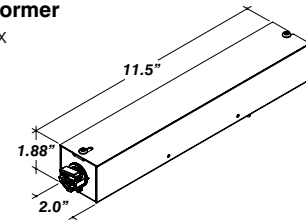| MODELS	PDCU-W 96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W
Length	8.66"	6.10"	7.93"	8.25"
Width	3.73"	3.35"	3.35"	4.10"
Depth	1.61"	1.33	1.32"	1.56"

To 0-10V Dimmer (if applicable)

PDCU-W/PDCU-D

DIM -
DIM +

LineLED

24V DC+
24V DC-

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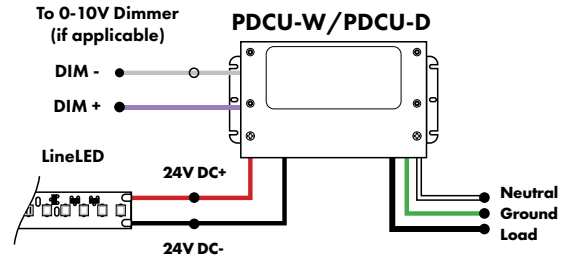
30W/60W 347V Transformer
attaches directly to PDCU box

3.5"
1.91"
1.88"

96W 347V Transformer
wired to PDCU box

11.5"
1.88"
2.0"

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	24 - 24 VDC
3X96 - 3 X 96 Watt	

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"

To Controller
D-
D+
GND

PSDMX-96

Load
Ground
Neutral

INPUT
120 - 277VAC

DMX cables
(For DMX cable, use Belden 9829, 9842 or CAT5 shielded twisted pair cabling or equivalent)

+ R G B W

to the next LED Driver

RGBW 96 W max

PSDMX-3X96

To Controller
D-
D+
GND

Load
Ground
Neutral

INPUT
120 - 277VAC

DMX cables
(For DMX cable, use Belden 9829, 9842 or CAT5 shielded twisted pair cabling or equivalent)

+ R G B W

RGBW

WW
+

Dynamic white lineLED

CW
+

to the next LED Driver

-

lineLED

96 W max per terminal block

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

MODEL	MODEL
LTEA4U1UKL-CV240	L3DA4U1UKL-CV240

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

(120V forward phase only)

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"

LTEA4U1UKL-CV240

To 2-wire dimmer
Load
Neutral
Ground
LineLED
24V DC+
24V DC-

LTEA4U1UKL-CV240

To 2-wire dimmer
Load
Neutral
Ground
LineLED
24V DC+
24V DC-
E1 (Purple)
E2 (Purple)
To EcoSystem Digital Link

E1 (Purple)
E2 (Purple)
To EcoSystem Digital Link
Load
Neutral
Ground
L3D0-96W24V-U
LineLED
24V DC+
24V DC-