



 **KARNI**<sup>TM</sup>  
ALUFAB  
Absolute SEG solutions

● [www.alusign.in](http://www.alusign.in)

## ABOUT US:

**KarniAlufab** is one of the leading manufacturers of aluminium framing profiles and textile frames for both LED-lit and non-lit SEG displays. With an experience of around 7 years, KarniAlufab has gained superior expertise for manufacturing aluminium frames, accessories, and silicone edge fabric graphics for retailers, exhibitors and corporate environments.

KarniAlufab offers a wide range of products and accessories suitable for every branding and display requirement. With detailed customization being their strength, KarniAlufab has over 28 different extrusion profiles, multiple lighting options, and comprehensive colour selections, delivering the clients exactly what they want.

The core values at KarniAlufab are innovation, quality, and integrity. KAF is committed to:

- a) Manufacturing excellent quality products, using latest technology in line with the current industry requirements,
- b) Delivering flawlessly finished, totally safe products in quick time with adaptable transportation policies at the most practical cost.



**Aluminum Display Profile**  
Making Brand Right

## Understanding SEG

Silicone edge graphic (SEG) is a high-resolution, UV printed graphic and dye-sublimated soft fabric, finished with a thin silicone beading sewn around its edges. The fabric fits into a narrow groove around the aluminium frame. Once inserted, the material stretches taut, giving the print a smooth, crease-free appearance. Doing away with all the limitations of rigid metal framing systems, SEGs are quickly becoming the most-preferred method of branding and advertising. Bright and bold, the graphic print stands out with dramatic contrast and colours that catch your eye.



## Benefits of installing SEG framing systems :

### ▶ Premium appearance

The finished frame gives off a modern, stylish look that can elevate your brand's appeal. Also, they are suitable for signage in high-end establishments like luxury hotels, premium lounges, etc.

### ▶ Economical

The fabric costs much less than traditional vinyl material. Moreover, shipping and transportation costs are significantly reduced due to its lightweight and foldable properties.

### ▶ High customization

SEG frames can be easily designed according to the unique needs of the client.

### ▶ Flexibility

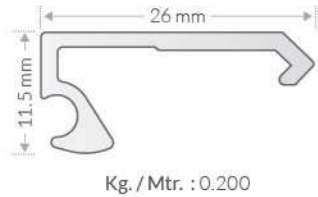
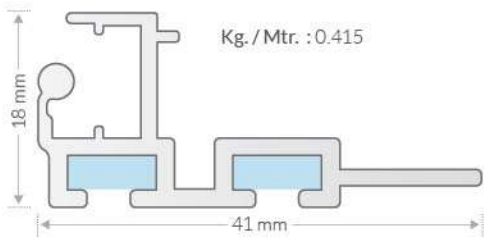
Graphics can be changed easily and as many times as the client wants without unnecessary expenses.

### ▶ Versatile applications

SEGs are suitable for both indoor and outdoor environments for a variety of purposes.



# K - 20S SNAP



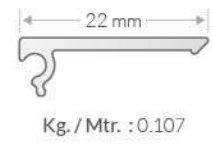
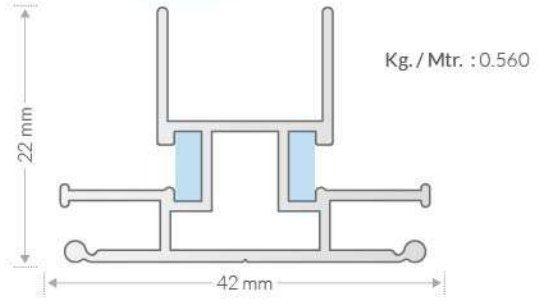
8 PCS



SS HALF U SPRING

Extrusion Frame  
Accessories

# K - 40D SNAP



8 PCS



SS U SPRING

Extrusion Frame  
Accessories

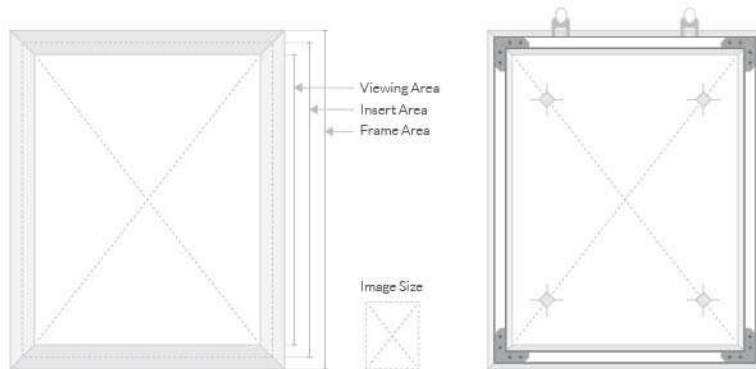
## Standard Pre - Fabricated Sizes (K - 20 S)

| MODEL  | INSERT SIZE | FRAME SIZE      | AMPS  | POWER |
|--------|-------------|-----------------|-------|-------|
| ES8511 | 8.5" X 11"  | 9.75" X 12.25"  | 0.34A | 4.1W  |
| ES1117 | 11" X 17"   | 12.25" X 18.25" | 0.52A | 63.W  |
| ES1722 | 17" X 22"   | 18.25" X 2.25"  | 0.68A | 8.1W  |
| ES2228 | 22" X 28"   | 23.25" X 29.25" | 1.72A | 20.7W |
| ES2436 | 27" X 36"   | 25.25" X 37.25" | 2.22A | 26.6W |
| ES2448 | 24" X 48"   | 25.25" X 49.25" | 2.95A | 35.4W |
| ES3648 | 36" X 48"   | 37.25" X 49.25" | 2.95A | 35.4W |

\* Brightness : Apx 2800 to 3200 Lux

## Karni AluFab Standard Pre-Fab Size Frames give you the following Advantages

- ▶ Quick turnaround
- ▶ Always available
- ▶ More economical then custom sizes
- ▶ 3 year warranty
- ▶ Customs size
- ▶ Outstanding brightness
- ▶ Evan lighting



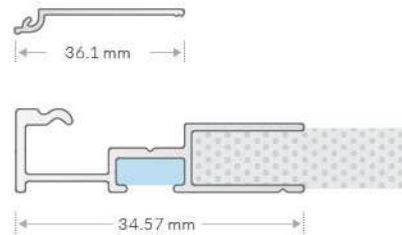
## Specification

|                                 | K - 20S   | K - 40D                    |
|---------------------------------|---|----------------------------|
| Side                            | Single Side   | Double Side                |
| Frame Thickness                 | 20 mm   | 47 mm                      |
| Frame Width                     | 26 mm   | 22 mm                      |
| Minimum Size                    | 210 x 254 mm  | 305 x 305 mm               |
| Maximum Size                    | 915 x 2400  |                            |
| Light Guide Panel (LGP)         | 3 mm & 5 mm Acrylic (PMMA) with V Cut Groove                    |                            |
| Frame / Color                   | Anodise Aluminium / Silver and Black                            |                            |
| Open / Close                    | Snapfront Open / Close  |                            |
| Mounting                        | Wall Mount by Mou. Clip   | Suspending bt wire or road |
| Weight                          | 1.30 / Sq. Ft   | 1.80 / Sq. Ft              |
| Input Voltage                   | D.C 12 Volt / AC 100~240v, 50/60Hz                              |                            |
| Luminous Efficiency (White LED) | 105 lm/W  |                            |
| LED Side                        | Smaller Size - 1 edge, Big Size-2long edge & Bigger Size 4edges |                            |
| LED Color Temp.                 | 6500k   |                            |
| Power Coad / Supply             | 18watt / Mtrs   |                            |
| Dimming                         | By external dimmer ( Optional )                                 |                            |
| Operating Temp.                 | -22°F (-30°C) ~ 104°F (+40°C)                                   |                            |
| Environment                     | Suitable for indoor and dry location                            |                            |

## Application



# K - P2



4 PCS

4 PCS

## Application

|          |   |
|----------|---|
| Standard | Indoor use  |
| Signage  | Frames systems  |
| Display  | Hotel, Shopping mall, Airport, Retail shop, Cloud control |

## Print Media


▶ TRANSLIT

## Ink Type

▶ UV & Dye

## Specification

|                         |  |
|-------------------------|--|
| Aluminium Alloy-6063-T6 |  |
| Depth                   | 12 mm  |
| Thickness               | 1.25 mm  |
| Kg. / Mtr.              | 0.350  |
| Side Options            | Single Sided                                     |
| Length                  | 3.60 mtrs  |
| Surface                 | Silver Satin Anodised<br>Other Surface on Demand |
| Lighting                | LPG  |

 Extrusion Frame  Back Panel  Accessories

## Application



Backlit



Single Side



Wall Mount



**ALU. 50155**  
 K - 39, K - 65, K - 95S,  
 K - 95D, K - 100S, K - 130D,  
 K - 130 FACADE



**ALU. 35155**  
 K - 39, K - 65, K - 95S,  
 K - 95D, K - 100S,  
 K - 130D, K - 130 FACADE



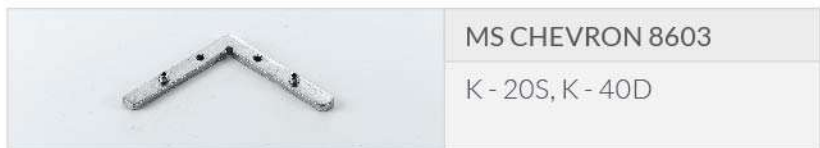
**ALU. 50255**  
 K - 130 FACADE,  
 K - 16, K - 65, K - 83 FACADE,  
 K - 100S, K - 130D &  
 K - 130 FACADE



**MS CHEVRON 60143**  
 K - 16, K - 65, K - 83 FACADE,  
 K - 100S, K - 130D &  
 K - 130 FACADE



**MS CHEVRON 100243**  
 K - 23, K - 83 FACADE,  
 K - 130 FACADE



**MS CHEVRON 8603**  
 K - 20S, K - 40D



**SS CHEVRON 641215**  
 K - 16 OVAL



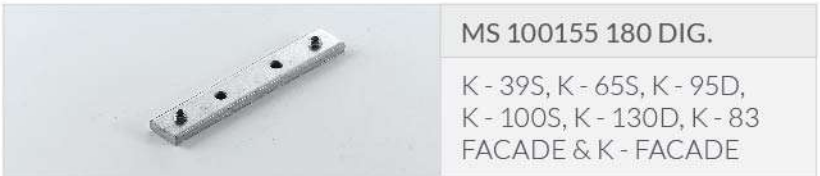
**ALU. 50255**  
 120 DIG.



**ALU. 50155**  
 120 DIG.



**ALU. 50155**  
 60 DIG.



**MS 100155 180 DIG.**  
 K - 39S, K - 65S, K - 95D,  
 K - 100S, K - 130D, K - 83  
 FACADE & K - FACADE



**MS 2002531 180 DIG.**  
K - 23S & K - 83 FACADE



**ABS CUBE JONT CORNER**  
K - 65S & K - 65 CUBE



**SS U SPRING**  
K - 40D



**SS HALF U SPRING**  
K - 20 SNAP, K - 83 FACAD,  
K - 130 FACADE



**WALL MOUNT**  
K - 16 OVAL



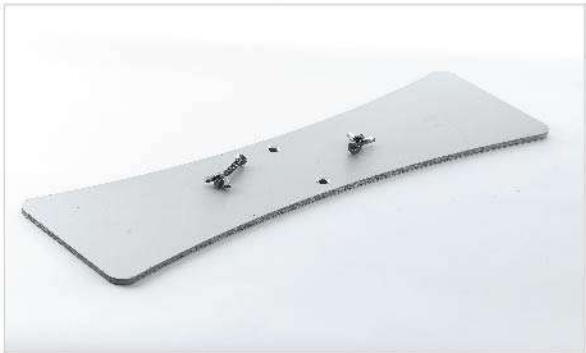
**PURE SILICON**  
15 X 3 MM



**DELTA BASE**  
K - 65S, K - 95S, K - 95D,  
K - 100S & K - 130D



**BIRD BASE**  
K - 65S, K - 95S, K - 95D,  
K - 100S & K - 130D



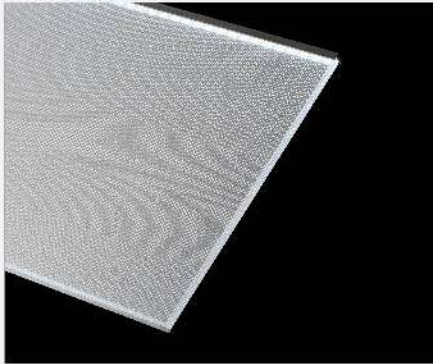
**OVAL BASE**  
K - 65S, K - 95S, K - 95D,  
K - 100S & K - 130D



**SS GRUB SCREW**  
SSL & KEY



## K - LGP



### Understanding LGP Sheets :

**Definition of LED Light Sheet** The unique construction of LED Light Sheet harnesses a number of patented processes which unite to create an innovative lighting unit. Produced by combining high intensity LEDs with a patented 3D V-Cutting system, this process allows light to be transmitted uniformly and evenly across the acrylic surface of the unit. A unified backlighting unit, LED Light Sheet features thermally managed LEDs which are securely embedded inside an acrylic sheet. This second patented process delivers a unit which is robustly constructed and easily installed in comparison to traditional backlighting units in which LED modules are fixed externally to an acrylic sheet. Each LED Light Sheet unit is manufactured in the UK by Applelec to bespoke requirements.

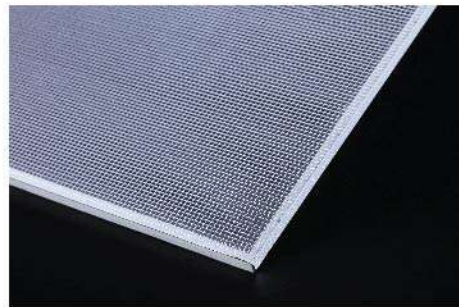
### HEAT SINK

**HEAT SINK** While cool to the touch, LEDs collect heat internally. Unless this heat is released, it can cause the LEDs to change color. Panels may then look inconsistent. Our patented heat sink shifts heat away from the LED panel better than competitors' versions. This is because only K-LGP heat sink is integrated with the LED panel, instead of in a frame surrounding it.



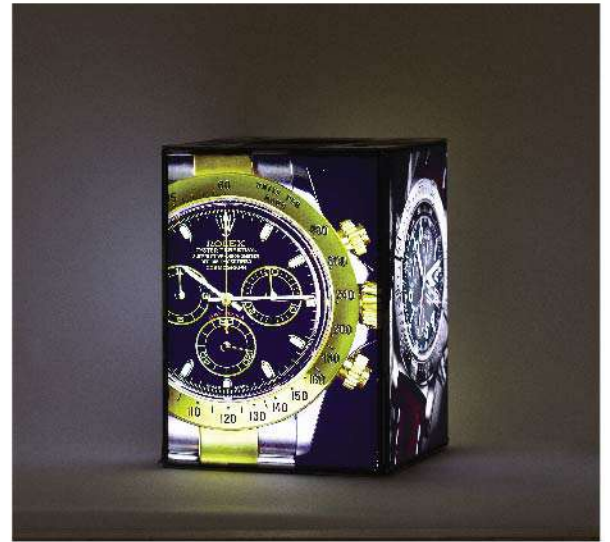
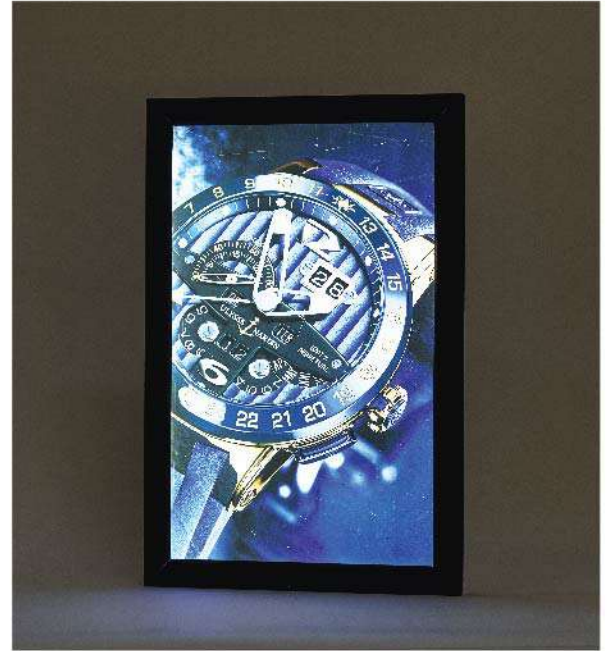
### LGP

**3D V-CUTTING** V-cutting is a patented process that gives K-LGP the grid look it's known for. It creates an evenly lit panel from the edges to the center and lets us produce large panels. How it works: a light is embedded into the sides of an acrylic panel. Grooves are then etched across the acrylic, connecting the light from one end of the panel to the other. They are widely spaced when close to the light source, and narrowly spaced when farther away. The placement of these grooves is different for every panel.



### FEATURES

- ▶ Available in custom sizes
- ▶ Full color customization
- ▶ Suitable for large scale surfaces
- ▶ High brightness (up to 10 000 lux)
- ▶ High CRI available
- ▶ Long LED lifespan (50 000+ hours)
- ▶ Rigid structure
- ▶ Easy to hang
- ▶ Energy saving and maintenance free (70% energy savings over traditional lighting)
- ▶ Superior consistent light quality
- ▶ Advanced 3-year warranty





#### **FACTORY**

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