

Our Brands :

**SONiX<sup>LED</sup>**

**CONVERTX**

Authorised Distributor :

**INTERONE**  
MADE IN KOREA

LED PROVIDED BY **SAMSUNG**

**UNION**  
MADE IN KOREA  
**AX-POWER**



**NAVKAAR LIGHTING**

**“NAVKAAR LIGHTING”** India's Premier Supplier of High-Quality  
LED Modules and Power Supplies.

## ABOUT US

**NAVKAAR LIGHTING** is a leading provider of innovative LED lighting solutions, specializing in high-quality LED Modules, LED Drivers, Flexible LED Strips, and comprehensive signage and interior lighting systems.

## Our Commitment to Excellence

NAVKAAR LIGHTING was established in 2021, We are dedicated to delivering cutting-edge lighting technology that combines energy efficiency, durability, and aesthetic appeal. Our team of well experienced professional is committed to providing tailored solutions to meet the unique needs of clients.

## Our Manufacturing and Partnerships

Our collaboration with Co-Productions units in India ensures the development and supply of high-quality “Made in India” products under our exclusive brands “ConvertX” and “SoniX LED”.

We take immense pride in being the exclusive channel partner of the prestigious INTERONE Co. Ltd. from Korea, providing superior LED modules.

We also supply exceptional Korean products, such as UNION and E-POWER.

## Our Reach

With our head Office in Gujarat and a branch office in Mumbai, we are strategically placed to serve clients throughout India. Our broad network and solid partnerships allow us to deliver products and services nationwide.

## Experience Our Exceptional Services

No matter if you're a Signage Manufacturer, Interior Designer, or an Architectural Firm, we have the know-how to improve your signage and lighting projects. Get in touch with us today to talk about your specific needs and see how our innovative solutions can make a difference.

By integrating our technical skills, we are committed to exceeding expectations and providing exceptional LED solutions that illuminate your vision.



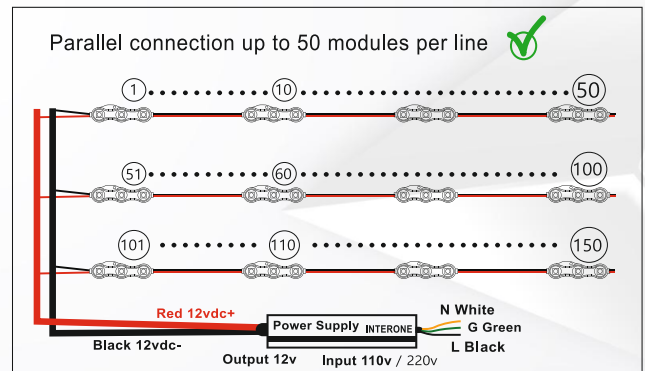
# INTERONE SAMSUNG SERIES



LED PROVIDED BY **SAMSUNG**

## FEATURES :

- » Three super bright genuine 2835 SAMSUNG LEDs in each module.
- » Making quick installation with easy peeling two-sided adhesive tape.
- » High-efficiency led package applied - Giving less consumption of energy, more brightness
- » Patented Wire-Thru, Reverse-Circuit protection, and Non-polar circuit technology.
- » Long life-span over 50,000 hours (5 Years of Warranty)
- » Reliable and qualified products meet global standards such as UL, CE, CB and more



Model	Operation Voltage	Power Consumption	Color/CCT	Viewing Angle	Luminous	Operation Temperature	Warranty	Water Proof	Dimensions	Wire Length
Z3U-V05-A7	DC-12V	1.2W	WW/NW/PW/CW 3000K/4000K 6500K/10000K	170°	100LM	-20°C - 60°C (-4°F - 140°F)	5 Years	IP 68	68x15x7.1 mm	80mm (3.15 inch) UL 18 AWG Pair

Part 1 High Lum inous Efficiency  
High light effective ; No light decay  
With 50,000 Hrs lifespan  
Genuine LED package from SAMSUNG  
and SAMSUNG SEMICONDUCTOR  
Tailor our products to your exact needs  
with our range of color temperature ( kelvin ), colors (R.G.B.Y), wattage , RGB and  
programmable DMX options .

Part 3 Lens  
Patented unique Peanut Shape of beam angle  
, various options to choose upon the request

Part 4 - Molding  
Zero solder - Patented Wire-Thru® and  
Reverse-Circuit Protection  
make high durability & outstanding quality

ZIPPER BAG : 200 PCS  
CARTON BOX : 2,000 PCS (17 KG)



Part 2 High Quality PCB board  
Mounting process made by expertised experts with  
ideal pitching size with our own SMT machine

Part 5 A dhesive tape on the back  
(Satisfying the standard of ASTM )  
Same model as supplying to Hyundai - Motors

Part 6 High-quality Wire  
True AWG 18 Copper Wire (99.99%)



## FEATURES :

- » Constant Voltage Driven.  
Up to 80% energy saving.
- » Long service life up to 50000 hrs.
- » High efficiency Chip, High Brightness and Reliability.
- » Injection Molding Process With Crystal Lens.
- » Special Lens Design (175°) Degree beaming angle with equal light.
- » Easy Installation with Double-Sided Quality tape for assured installation.
- » High luminous efficiency up to 145 lm.
- » IP 67 Waterproof.

## Technical Specification

MODEL:	AX-POWER STANDARD	AX-POWER STANDARD
COLOR :	WW/NW/PW/CW	RED
CCT :	3000K/4000K/6500K/10000K	625NM
POWER/W :	1.5 Watts	1.5 Watts
Operating Power :	DC - 12V	DC - 12V
CRI :	83 RA	83 RA
PCB DETAILS :	1.2mm Alu. With 35mic. Copp.	1.2mm Alu. With 35mic. Copp.
SIZE :	70mm*15mm*6mm	70mm*15mm*6mm
LENS DET :	175 DEGREE	175 DEGREE
TEMP :	-20 TO 70	-20 TO 70
QTY. STRING :	20 Nos.	20 Nos.
Series Distance :	80mm	80mm
IP :	IP 67	IP 67
Use Max Conn. :	20 Nos.	20 Nos.
Warranty :	3 Years :	3 Years :

## APPLICATION :

- » Uses For Hordings.
- » Uses For Big Channel Letters.
- » Use For Glow Sign Board.



# SONIX T20 SERIES

**SONIX**™  
LED  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Driven.
- » Special lens design 160 beaming angle with no spot and spread uniformly.
- » Injection Molding With Opti Lens.
- » Well Sealed: anti-dusting, anti-moisture, Waterproof Led.
- » Easy installation with Double sided tape.
- » Integrated Injection, perfect protection.
- » IP 67 Waterproof.
- » Energy Saving, Environment friendly.

## Technical Specification

MODEL:	Sonix 3 LED - T20
COLOR :	WW/NW/PW/CW/RED/ GREEN/BLUE/YELLOW
POWER/W :	1.5 Watt
Operating Power :	DC - 12V
CRI :	80 RA
PCB DETAILS :	1.2mm Alu. With 35mic. Copp.
SIZE :	60mm*13mm*5mm
LENS DET :	160 DEGREE
TEMP :	-20 TO 60
QTY. STRING :	20 Nos.
Wire Distance :	80mm
IP :	IP 67
Use Max Conn. :	20 Nos.
Warranty :	3 Years

## APPLICATION :

- » Uses For Light Box..
- » Uses For Narrow & Big channel Letters.



# 3 LED PREMIUM MINI SERIES

**SONiX**™  
LED  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Driven.
- » Special lens design 160 beaming angle with no spot and spread uniformly.
- » Durable Polycarbonate cover and abs body.
- » Well Sealed: anti-dusting, anti-moisture, Waterproof Led.
- » Easy installation with Double sided tape.
- » Integrated Injection, perfect protection.
- » IP 67 Waterproof.
- » Energy Saving, Environment friendly.

## Technical Specification

MODEL:	Sonix 3 LED Mini Premium
COLOR :	WW/NW/PW/CW/RED
CCT :	3000K/4000K/6500K/10000K/625nm
POWER/W :	0.72 Watt
Operating Power :	DC - 12V
CRI :	80 RA
PCB DETAILS :	1.2mm Alu. With 35mic. Copp.
SIZE :	8mm*10mm*30mm
LENS DET :	160 DEGREE
TEMP :	0 TO 60
QTY. STRING :	30 Nos.
Wire Distance :	65mm
IP :	IP 67
Use Max Conn. :	30 Nos.
Warranty :	3 Years

## APPLICATION :

- » Suitable for channel letters.
- » Suitable for minimum depth letter.
- » Used in minimum depth of 35 mm to 100 mm depth.



# SONIX GSB BACKLIGHT SERIES

**SONiX**™  
LED  
A PRODUCT BY NAVKAAR LIGHTING



## FEATURES :

- » Constant Voltage Driven.  
Up to 80% energy saving.
- » Long service life up to 40000 hrs.
- » Epistar (99.9%) Gold Thread,  
Pure Copper, Bracket coated with silver LED.
- » High Pressure Ultrasonic with  
100% Poly Carbonate Casing.
- » Special Lens Design (160°) Degree  
beaming angle with equal light.
- » Easy Installation with Double-Sided  
Quality tape for assured installation.
- » High luminous efficiency up to 110 lm/W.
- » IP 65 Waterproof.

## Technical Specification

MODEL:	SONIX 1 LED DC:	SONIX 1 LED AC:
COLOR :	Cool White/Warm White	Cool White/Warm White
CCT :	10000K/3000K	10000K/3000K
POWER/W :	3 Watts	3 Watts
Operating Power :	DC - 12V	AC - 220V
CRI :	80 RA	80 RA
PCB DETAILS :	1.2mm Alu. With 35mic. Copp.	1.2mm Alu. With 35mic. Copp.
SIZE :	52mm*42mm*13mm	52mm*42mm*13mm
LENS DET :	160 DEGREE	160 DEGREE
TEMP :	0 TO 70	0 TO 70
QTY. STRING :	14 Nos.	14 Nos.
Series Distance :	9" Inch	9" Inch
IP :	IP 65	IP 65
Use Max Conn. :	14 Nos.	14 Nos.
Warranty :	3 Years :	2 Years :

## APPLICATION :

- » Uses For Backlit Boxes.
- » Uses For Hordings.
- » Uses For Big Channel  
Letters.
- » Use For Glow Sign Board.





# SONIX BACKLIGHT RIGID BAR SERIES

**SONiX**<sup>TM</sup> LED  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Solution of constant voltage for more durable performance.
- » Energy Saving, Environment Friendly.
- » Low power consumption.
- » High brightness and reliability.
- » Aluminum thick PCB for long durability.
- » Dual Chip, Double Resistance.

## Technical Specification

Model :	SONIX Premium Rigid Bar:	SONIX Economy Rigid Bar:	SONIX Edgelit Bar:	SONIX Super Slim Bar:
Product Application	Backlit Box	Backlit Box	Double Side Light Box	Double Side Slim Light Box
LED Chip :	Epistar Chip :	Epistar Chip :	Epistar Chip :	Epistar Chip :
COLOR/CCT :	3000K/4000K/6500K/10000K	3000K/4000K/6500K/10000K	10000K	3000K/10000K
Operating Power :	DC 12V	DC 12V	DC 12V	DC 12V
LED/Mtr:	12 Leds/Mtr.	12 Leds/Mtr.	18 Leds/Mtr.	120 Leds/Mtr.
Power Dissipation :	14.4W/Mtr.	12W/Mtr.	27W/Mtr.	15W/Mtr.
Luminous Flux (LM) :	1320 lm/Mtr.	1176 lm/Mtr.	2260 lm/Mtr.	1410 lm/Mtr.
Beam Angle :	175	175	15°45	120
Dimension (mm) :	930*15*1	930*15*0.75	990*25*1.45	1000*4*1.35
Operating Temp. :	-20 +60	-20 +60	-20 +60	-20 +60
Max Series Connection :	10 LED Bars	10 LED Bars	Single	Single
IP :	IP 20	IP 20	IP 20	IP 20
Warranty :	3 Years	2 Years	2 Years	2 Years

## APPLICATION :

- » Suitable For Backlit Boxes with Febric or Flex.
- » Suitable For Fabric Stretch Ceilings.
- » Suitable For Double Side Light Boxes.
- » Suitable For Indoor LGP based Clip-on Frames





# FLEXIBLE LED STRIP SERIES

**SONiX<sup>TM</sup> LED**  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Driven.
- » Easy installation with Double sided tape.
- » IP 20 (For Indoor Use Only)
- » Energy Saving, Environment friendly.
- » Pure copper FPC, Joint less PCB.
- » Easy to soldering, Firm Joints and no soldier False.
- » 2835 SMD LED with long lifespan.
- » High Efficiency



## Technical Specification

### APPLICATION :

- » Suitable for channel letters.
- » Suitable for minimum depth letter.
- » Used in Display Fixtures, Cove Lighting, Slim Frames, Interior Decoration.

Model :	SONIX 120 LED 5MM	SONIX 120 LED 8MM	SONIX 240 LED 10MM	XSX O-SHAPE 5MM
LED Chip :	Epistar Chip :	Epistar Chip :	Epistar Chip :	Epistar Chip :
COLOR/CCT :	3000K/4000K/6500K/10000K	3000K/4000K/6500K/10000K	3000K/4000K/6500K/10000K	3000K/4000K/6500K/10000K
Operating Power :	DC 12V	DC 12V	DC 12V	DC 12V
LED/Mtr:	120 Leds/Mtr.	120 Leds/Mtr.	240 Leds/Mtr.	60/120 Leds/Mtr.
Power Dissipation :	14.4W/Mtr.	14.4W/Mtr.	24W/Mtr.	7.2/14.4W/Mtr.
Luminous Flux (LM) :	1890 lm/Mtr.	1890 lm/Mtr.	2679 lm/Mtr.	720/1890 lm/Mtr.
Width (mm) :	5MM	8MM	10MM	5MM
Operating Temp. :	-20 +60	-20 +60	-20 +60	-20 +60
Max Series Connection :	2.5Mtr	2.5Mtr	2.5Mtr	2.5Mtr
IP :	IP 20	IP 20	IP 20	IP 20
Warranty :	1 Year (T&C)	1 Year (T&C)	1 Year (T&C)	1 Year (T&C)



# UNION (KOREAN) WATERPROOF SERIES



S.M.P.S

LED Converter

Water Proof Converter

IP68    SELV LPS CB CE 

## FEATURES :

- » Constant Voltage Design(C.V. mode)
- » AC Input voltage 180-264V
- » Protections: Over load/Short circuit
- » IP 68 design for outdoor installations
- » 100% full load burn-in test
- » Suitable for LED lighting and moving sign applications
- » Plastic case: 100-150W / Metal Case: 200-400W
- » 3 Years Warranty.

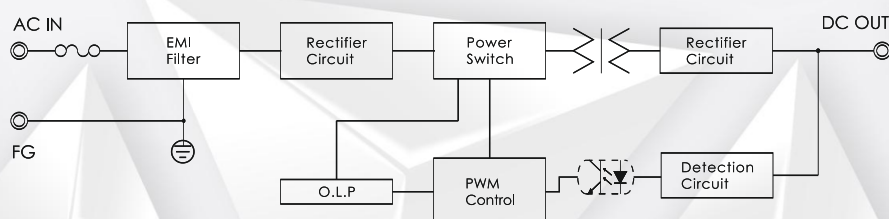
## TECHNICAL DETAIL :

- » DC adjustment range : Fixed can be modified within
- » +5% rated output voltage (but do not use over the rated Power)
- » Over load protection : over 110% of rating, auto-recovery
- » Withstand voltage : I/P-O/P:AC3KV, I/P-F.G:AC1.5KV, O/P-F.G:AC0.5KV
- » Isolation resistance : I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms(At room temp. & humid.)
- » Working Temp.&Humid. : -40~+70°C (Refer to "DERATING CURVE"), 20~95%RH
- » Safety standards :  
EN61347-1, EN61347-2-13 / K61347-1,  
K61347-2-13
- » EMC standards : EN55022, EN61204-3,  
EN61000-3-2, 3 / K00015, K61547

## Technical Specification

Model No:	Output Voltage:	Max. Power to use	Output Rating :	Dimension (mm)	Efficiency
UP100S12W2L	12V	100W	8.3A(7.1A@50°C)	192*34.5*22	92%
UP150S12W2L	12V	150W	11.5A(10A@50°C)	170.5*42*35	92%
UP200S12W2L	12V	180W	15A(13.3A@50°C)	173*55*37	92%
UP300S12W2L	12V	258W	21.5A(18.8A@50°C)	192.3*61.5*37	92%
UP400S12W2L	12V	360W	30A(25A@50°C)	222*74*52	92%

### ■ BLOCK DIAGRAM



# RAINPROOF PREMIUM SERIES

**CONVERTX<sup>TM</sup>**  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Design
- » Accord with Ip43 (60W-400W) for Indoor and Outdoor Installation.
- » Suitable for Salty / Damp & hot areas or coastal cities  
Widely used in advertising lighting, such as LED strips, Display, LED Modules, Light Boxes, lamp strings and more.
- » Aluminium Extrusion Case, Excellent heat-dissipating, High reliability.
- » Protections: Over Load / Short circuit / Over Current.
- » 100% full loading aging test for 8 hours.
- » 3 Years Warranty

## TECHNICAL DETAIL :

- » Wide input voltage range: 176-264VAC
- » AC inrush current: Cold start, 60A / 230VAC
- » Line regulation ( full load ) : \*2%
- » Output over load protection: Hiccup Mode, Auto recovery
- » Working temperature: -20° to +60° C
- » Storage temperature: +40° to +85° C
- » Cooling method: Built-in fan cooling/ Free air

## Technical Specification

Model No:	Output In Amps:	Dimension in (MM)
ConvertX - 60W/12V	5 Amps	132*75*37
ConvertX - 100W/12V	8.33 Amps	150*75*37
ConvertX - 200W/12V	16.66 Amps	185*75*37
ConvertX - 300W/12V	25 Amps	175*112*40
ConvertX - 400W/12V	33 Amps	205*112*40
IP Rating : IP43		
Efficiency - 85-91%		
Warranty - 3 YEARS.		
Rainproof Power Supply		





# RAINPROOF SILICON SERIES

**CONVERTX<sup>TM</sup>**  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Design
- » Accord with Ip62 (400W-700W) for Indoor and Outdoor Installation.
- » Suitable for Salty / Damp & hot areas or coastal cities  
Widely used in advertising lighting, such as LED strips, Display, LED Modules, Light Boxes, lamp strings and more.
- » Aluminium Extrusion Case, Silicon Filled Driver For Rain Water Protection, Excellent heat-dissipating.
- » Protections: Over Load / Short circuit / Over Current.
- » 100% full loading aging test for 8 hours.  
2 Years Warranty
- »

## TECHNICAL DETAIL :

- » Wide input voltage range: 176-264VAC
- » AC inrush current: Cold start, 60A / 230VAC
- » Line regulation ( full load ) : \*2%
- » Output over load protection: Hiccup Mode, Auto recovery
- » Working temperature: -20° to +60° C
- » Storage temperature: +40° to +85° C
- » Cooling method: Built-in fan cooling/ Free air

Model No:	Output In Amps:
ConvertX - 400W/12V	5 Amps
ConvertX - 500W/12V	8.33 Amps
ConvertX - 600W/12V	16.66 Amps
ConvertX - 700W/12V	25 Amps
IP Rating : IP62	
Efficiency - 80-85%	
Warranty - 2 YEARS.	
Rainproof Silicon Power Supply	





# ULTRASLIM PREMIUM SERIES

**CONVERTX™**  
A PRODUCT BY NAVKAAR LIGHTING

## FEATURES :

- » Constant Voltage Driven.
- » Accord with Ip43 (60W-400W) for Indoor Installation.
- » Ultra Slim design suitable for narrow style.
- » Widely used in advertising lighting such as LED strips, Fabric Light Boxes, LED Modules, Fabric Stretch ceilings, Cove Lighting and many more.
- » Heavy Aluminium Extrusion Case, Excellent heat-dissipating, High reliability.
- » Protections: Over Load / Short circuit / Over Current.
- » 100% full loading aging test for 8 hours.
- » 2 Years Warranty

## TECHNICAL DETAIL :

- » Wide input voltage range: 176-264VAC
- » AC inrush current: Cold start, 60A / 230VAC
- » Line regulation ( full load ) : \*2%
- » Output over load protection: Hiccup Mode, Auto recovery
- » Working temperature: -20° to +60° C
- » Storage temperature: +40° to +85° C
- » Cooling method: Free air convection cooling.

## Technical Specification

Model No:	Output Voltage	Output Amps.	Dimension in (MM)
ConvertX Slim - 36W	12V	3 Amps	102*40*22
ConvertX Slim - 60W	12V	5 Amps	115*50*25
ConvertX Slim - 120W	12V/24V	8.33/5 Amps	137*50*25
ConvertX Slim - 200W	12V/24V	16.5/8.33 Amps	179*50*25
ConvertX Slim - 300W	12V/24V	25/12.5 Amps	205*50*25
ConvertX Slim - 400W	12V/24V	33/16.5 Amps	240*50*25
IP Rating : IP20			
Efficiency - 85-91%			
Warranty - 2 YEARS.			



## DIGITAL DISPLAY BOARDS



**P10 LED SCROLLING BOARD**



**P4 LED VIDEO WALL OUTDOOR**



## ALUMINIUM CHANNEL COILS



### Product Details :-

- » Used for channel letters in various sizes depth.
- » For indoor and outdoor uses.
- » 0.6MM Thickness of Aluminum coil.

Size	Product Type	Thickness	Colour
40MM	FLAT	0.6MM	W/B/R
50MM	FLAT/DF	0.6MM	W/B
60MM	FLAT/DF	0.6MM	ALL COLOURS
80MM	FLAT/DF	0.6MM	W/B





# 12V DC TIMER SERIES

**CONVERTX<sup>TM</sup>**  
A PRODUCT BY NAVKAAR LIGHTING



## FEATURES :

- » Micro Control Based Technology.
- » Real Time Display(Clock).
- » Simple On/Off Time Setting.
- » Crystal Accurate Real Time.
- » Clock Calibration Option.
- » LED Indication For On/Off.
- » Set Up to 2 On/Off Cycle Day.
- » Auto/Bypass Switch.
- » Wall Mount ABS Shock Proof Enclosure.
- » 1 Year Warranty.

## Technical Specification

System Voltage	230V/50Hz
Capacity	15 Amps. / 30 Amps.
Max. Voltage	280 V
Min. Voltage	180 V
ON/OFF/RESET	By Manual Push Button
Display	Seven Segment (4 Digit)



Your Trusted Source for LED Excellence in India

**NAVKAAR LIGHTING**

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