LED EDGELIT PANEL

LED STRIP & HEAT SINK

FRONT FACE WITH DIFFUSER

LED STRIP & HEAT SINK

REFLECTIVE TAPE ON SIDE SURFACES

HEAT SINK OVER BACKER

REAR FACE WITH OPAQUE BACKER

UL LABEL

CORD

CERTIFICATION LABEL

2.1mm MALE CONNECTOR
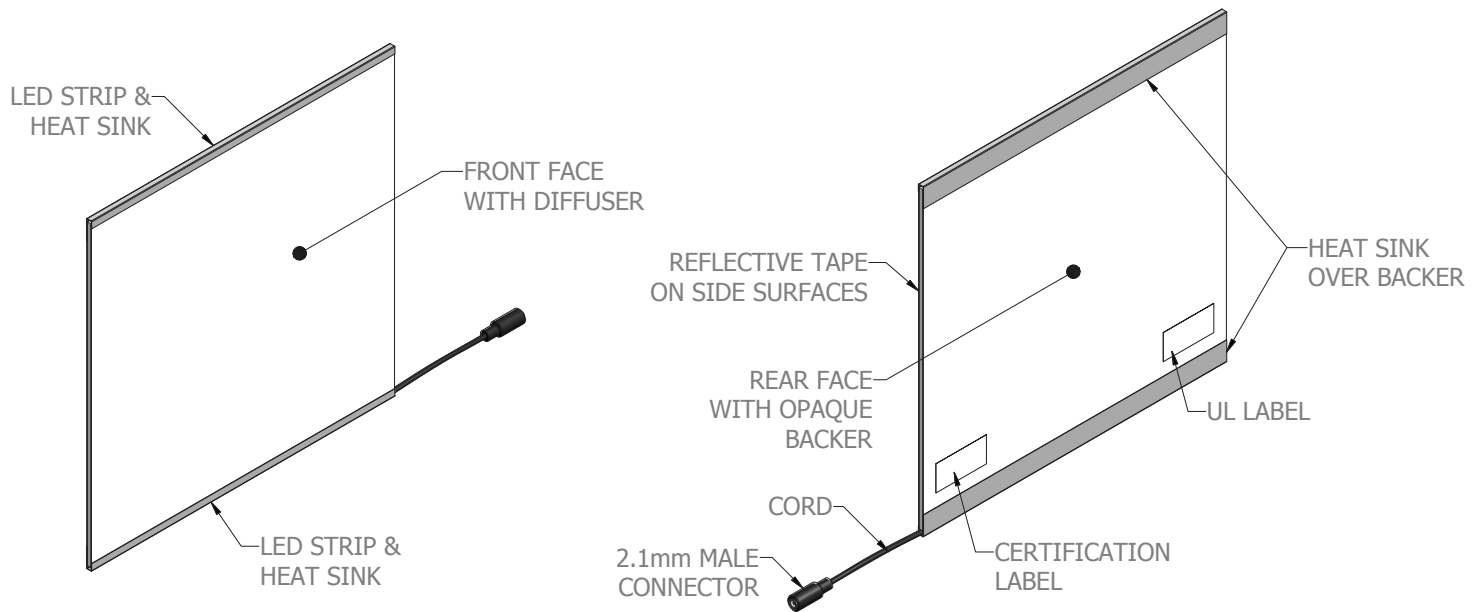
FEATURES

- Low profile less than 1/4" thick
- Available as single or double-faced
- Custom sizes and colors available
- High intensity LEDs
- Easy installation - No field assembly required
- Available in 3500K, 4100K, 5600K, & 6400K
- Up to 60,000 hrs useable life
- Panel sizes up to 8' x 4'
- Connecting cables available for daisy chain
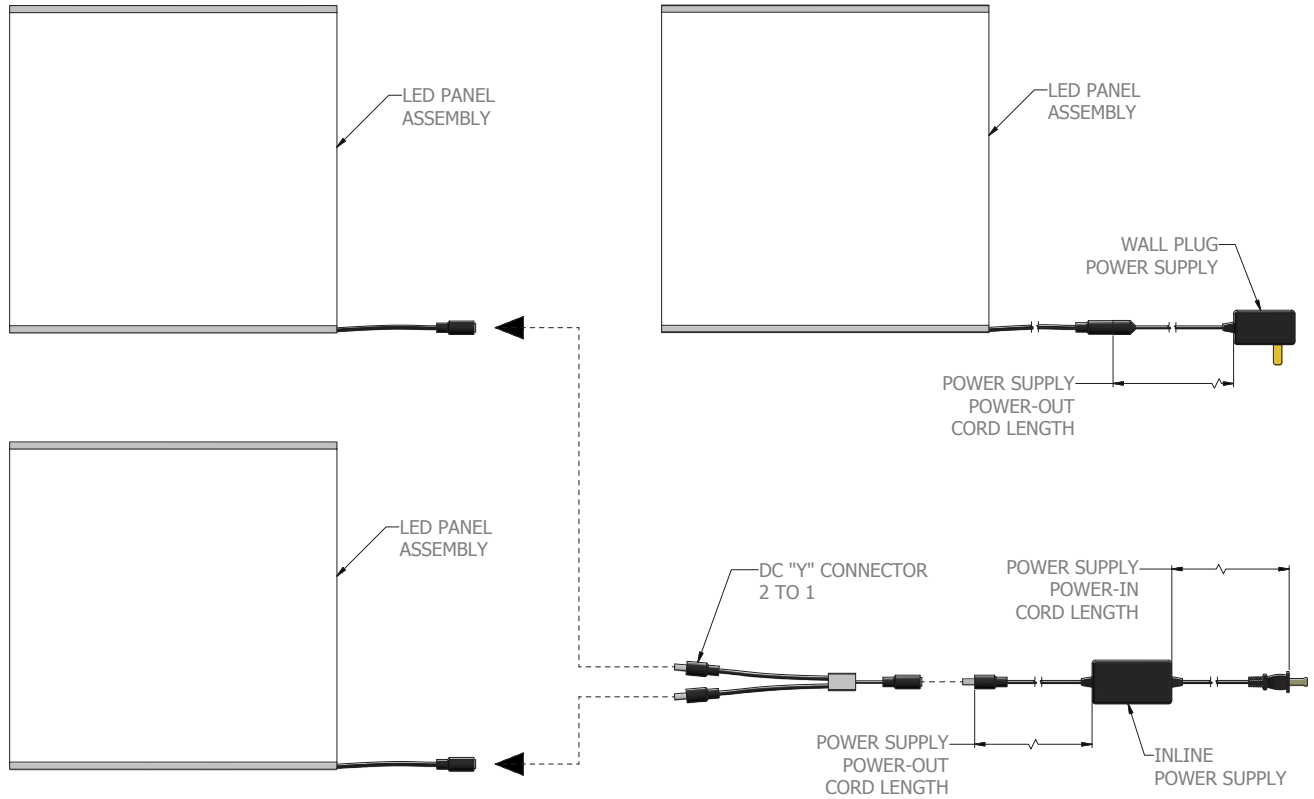- UL approved

SPECIFICATIONS

LED Chip Size	3020				5050/5630	
LEDs / Ft	18	36	42	54	27	30
LED Wattage/Ft (2 Edge)	2.8	5.8	6.7	8.6	13.0	14.4
Lux Range	2500 to 6000 Lux					
Max LED Edge Length (Inches)	96"					
Max Inches Between Edges	48"					
LED Operating Temp	-30°C to 85°C					
LED PCB & Circuit	FR4, Copper Circuit					

LED Color Temp	3000K, 3500K, 4100K, 5600K, & 6400K
Lamp Life (L70@45°C)	60,000 hrs
Panel Material	4mm to 6mm Screened Acrylic, Polished Edges
Wiring Specs	22ga (AWM 2468x2C, AWM 2464x2C)
Connector Specs	2.1mm DC Barrels, Molex, Flat Pin, Pigtail
Environment	Indoor, Dry
Certifications	UL
Warranty	3 Year

ORDERING INFORMATION

LP	S	–	1200	–	1200	–	05	W	4	–	M	006	–	A

Model	Output Direction		LED Side (Inches)		Non-LED Side (Inches)		LED/ FT	Color	Temp (Kelvin)		Power-In Connector Type	Power-In Cord Length		Variations
LP= Light Panel	**S=Single Faced** D=Double Faced		**1200=12.00"**		**1200=12.00"**		01=18/FT - 3020 CHIP 02=30/FT - 3020 CHIP 03=36/FT - 3020 CHIP 04=42/FT - 3020 CHIP **05=54/FT - 3020 CHIP** 06=27/FT - 5050 CHIP 14=27/FT - 5630 CHIP	**W=White** B=Blue G=Green R=Red Y=Yellow Z=RGB	1=3000 2=3500 3=4100 **4=6400** 5=5600 6=5000 X=Custom		**M=Male** F=Female B=Both M&F S=Stripped X=Custom	**006=6"**		**A= 2 LED Edges (Std)** X=Custom B= 1 LED Edge C= 4 LED Edges

Example: LPS-1200-1200-05W4-M006-A

LED EDGELIT PANEL

SAMPLE APPLICATION LAYOUTS

LED PANEL ASSEMBLY

LED PANEL ASSEMBLY

WALL PLUG POWER SUPPLY

POWER SUPPLY POWER-OUT CORD LENGTH

LED PANEL ASSEMBLY

DC "Y" CONNECTOR 2 TO 1

POWER SUPPLY POWER-IN CORD LENGTH

POWER SUPPLY POWER-OUT CORD LENGTH

INLINE POWER SUPPLY

POWER SUPPLY ORDERING INFORMATION

PS **L** – **0250** – **M** **072** – **F** **072** – **000**

Model	Body Style		Output Amps	Power-In Connector	Power-In Cord Length	Power-Out Connector	Power-Out Cord Length	Variations
PS= Constant Voltage Power Supply	**L**=Inline 12V P=Wall Plug 12V L24=Inline 24V P24=Wall 24V		0100=1.00 **0250=2.50** 0500=5.00 0700=7.00 1000=10.00	**M=Male** F=Female	**072**=72"	M=Male **F=Female**	**072**=72"	**000**=none

POWER SUPPLY SIZING INSTRUCTIONS

1) Figure Linear Feet of LEDs by combining all LED sides.
   (12" + 12" = 24", then 24"/12 = 2 Linear Feet of LEDs)

2) Multiply Linear Feet x LED/Ft to get # of LEDs.
   (2 Ft x 54/Ft = 108 LEDs)

3) Multiply # of LEDs x VF to get Total Amps.
   (108 LEDs x .0067 = 0.72 Total Amps)

   VF=Voltage Factor
   0.0067 for 3020 chip 12V
   0.02 for 5050/5630 chip 12V
   0.0067 for 3528 chip 12V

4) Choose appropriate Power Supply Based on Total Amps.
   (I.E. - If Total Amps = 0.72, then choose 1.0 Amp Power Supply)
   (DO NOT EXCEED TOTAL AMPS)

RELATED CONNECTOR CORDS

LED-CC-036-MF
DC Connector Cord, 36" Overall Length, Incoming 2.1mm Straight Male, 2464 Round Cord Type, Outgoing 2.1mm Straight Female

PS-1M00-2F06-000
DC Y Connector, 6" Overall Length, (1) Incoming 2.1mm Male, (2) Outgoing 2.1mm Female

PS-1M05-3F06-000
DC Y Connector, 11" Overall Length, (1) Incoming 2.1mm Male, (3) Outgoing 2.1mm Female

PS-1M05-4F06-000
DC Y Connector, 11" Overall Length, (1) Incoming 2.1mm Male, (4) Outgoing 2.1mm Female

LED-CC-GENBEND
DC Male Gender Bender

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