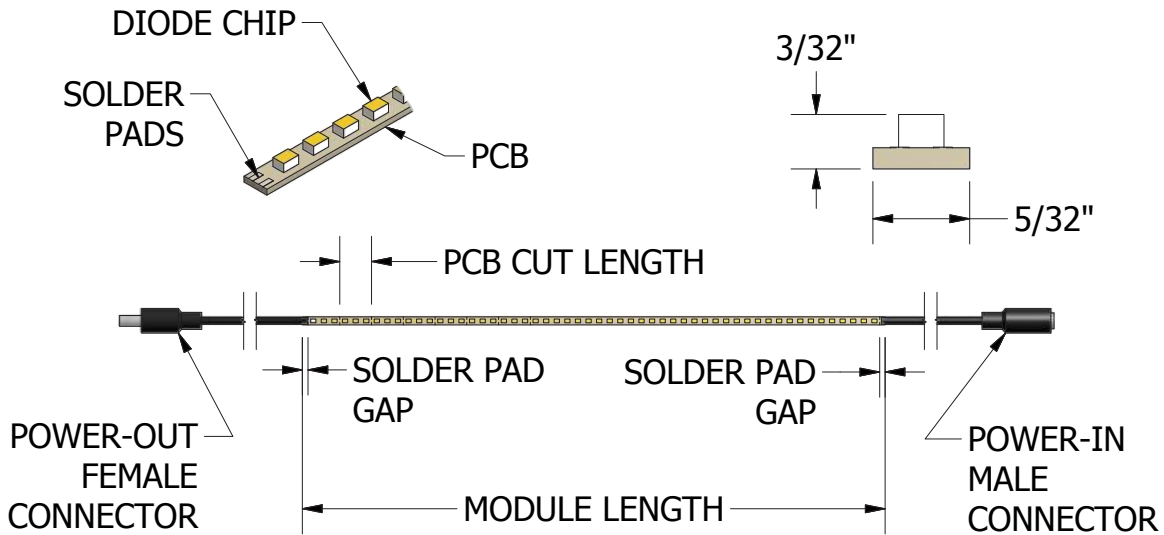


# 160 RIGID LED STRIP



## FEATURES

- Adhesive-backed PCB for easy installation
- Conveniently small dims 5/32"W x 3/32"H
- Custom lengths available
- Waterproof and directional available
- Multiple colors available (Red, Green, Blue)
- Available in 3500K, 4100K, 5600K, & 6400K
- Extremely high and even light output
- Up to 60,000 hrs useable life
- Linear runs up to 16'
- Connecting cables available for daisy chain
- UL approved

## SPECIFICATIONS

LED Chip Size	3020		
LEDs / Ft	18	42	54
Wattage / Ft (W)	1.4	3.4	4.3
Lumens / Ft (lm)	108	252	324
Diode Efficacy (lm/W)	80	80	80
Max Run (Ft)	16'	16'	16'
Min Run (Inch)	1.93"	0.92"	0.75"
PCB Cut Length (3 LEDs)	1.93"	0.80"	0.63"
Solder Pad Gap (Inch)	None	0.11"	0.12"
Module Length	11.55"	11.47"	11.55"
PCB & Circuit Material	.04" FR4, Copper Circuit		

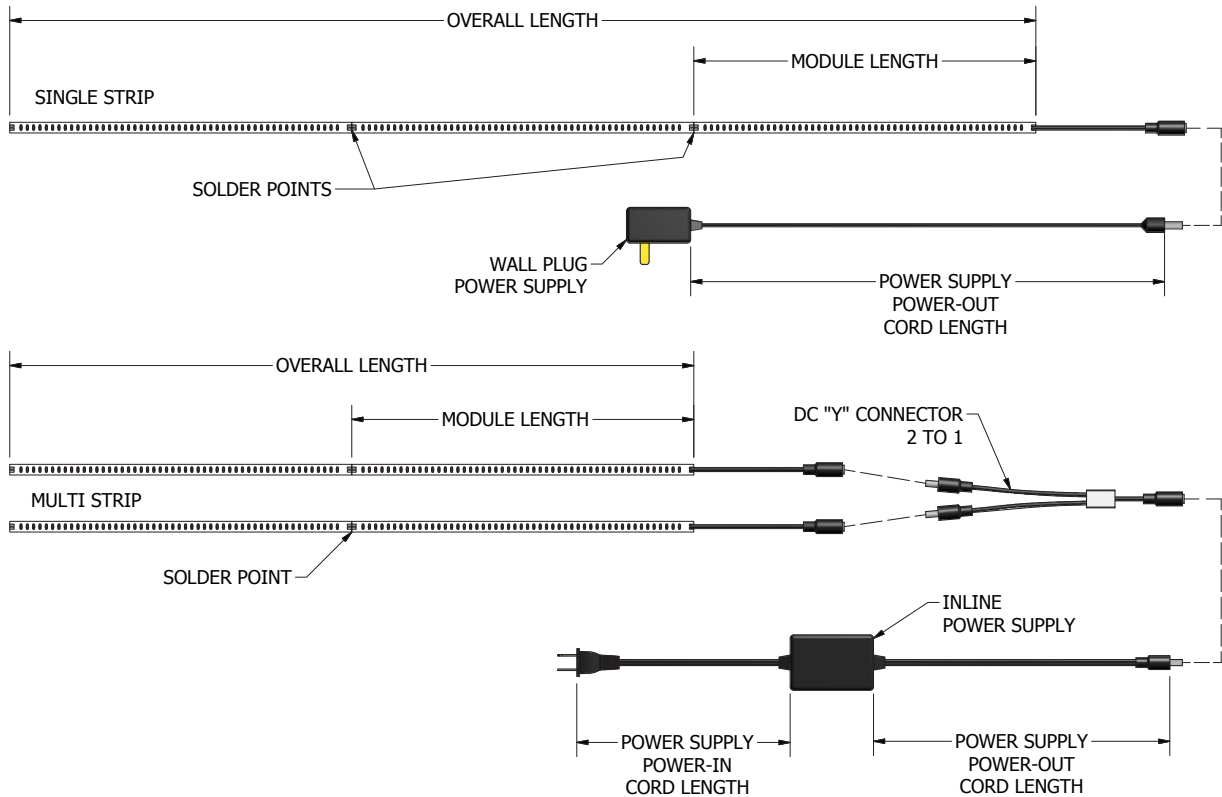
Module Dims (W x Height)	.160" x 0.095"
Color Temps (K)	3500K, 4100K, 5600K, & 6400K
Operating Temp	-30°C to 85°C
Lamp Life (L70@45°C)	60,000 hrs
Beam Angle	120°
LED Voltage	12VDC
Mounting Method	PSA, Non-Conductive Film, None
Wiring Specs	22ga (AWM 2468x2C, AWM 2464x2C), 18ga (SPT-1x2C)
Environment	Indoor, Dry
Certifications	UL
Warranty	3 Year

## 160 RIGID LED STRIP ORDERING INFORMATION



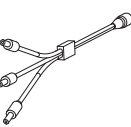
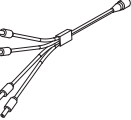

<b>LR</b>	<b>N</b>	<b>- 024</b>	<b>- 05</b>	<b>W</b>	<b>4</b>	<b>- M</b>	<b>006</b>	<b>- F</b>	<b>006</b>	<b>- 00</b>
Model	Diode Orientation	Overall Length (Inches)	LED/ FT	Color	Temp (Kelvin)	Power-In Connector Type	Power-In Cord Length	Power-Out Connector Type	Power-Out Cord Length	Variations
LR= Rigid LED Strip	N=Normal B=Bi-direction D=Single direction	024=24"	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	W=White B=Blue G=Green R=Red Y=Yellow	1=3000 2=3500 3=4100 4=6400 5=5600 6=5000	M=Male	006=6"	F=Female	006=6"	00=None
Example: LRN-024-05W4-M006-F006-00										

# 160 RIGID LED STRIP

## SAMPLE APPLICATION LAYOUTS



## RELATED CONNECTOR CORDS

	<b>LED-CC-036-MF</b> DC Connector Cord, 36" Overall Length, Incoming 2.1mm Straight Male, 2464 Round Cord Type, Outgoing 2.1mm Straight Female
	<b>PS-1M00-2F06-000</b> DC Y Connector, 6" Overall Length, (1) Incoming 2.1mm Male, (2) Outgoing 2.1mm Female
	<b>PS-1M05-3F06-000</b> DC Y Connector, 11" Overall Length, (1) Incoming 2.1mm Male, (3) Outgoing 2.1mm Female
	<b>PS-1M05-4F06-000</b> DC Y Connector, 11" Overall Length, (1) Incoming 2.1mm Male, (4) Outgoing 2.1mm Female
	<b>LED-CC-GENBEND</b> DC Male Gender Bender

## POWER SUPPLY ORDERING INFORMATION

<b>PS</b>		<b>L</b>	<b>-</b>	<b>0250</b>	<b>-</b>	<b>M</b>	<b>072</b>	<b>-</b>	<b>F</b>	<b>072</b>	<b>-</b>	<b>000</b>
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 CHART

- Combine Linear Feet of all LED strips.  
(48" + 48" = 96", then 96"/12 = 8 Linear Feet of LEDs)
- Multiply Linear Feet x LED/Ft to get # of LEDs.  
(8 Ft x 18/Ft = 144 LEDs)
- Multiply # of LEDs x VF to get Total Amps.  
(144 LEDs x .0067 = 0.96 Total Amps)
- Choose appropriate Power Supply Based on Total Amps.  
(I.E. - If Total Amps = 0.96, then choose 1.0 Amp Power Supply)  
(Calculated amps should **not** exceed Power Supply Amps)

VF=Voltage Factor  
0.0067 for 3020 chip 12V