



Product Overview

The 6007 LuxStrip provides reliable light from up to 6 LUXEON devices. These LEDs can be the LUXEON I series, LUXEON III, or the new LUXEON K2. On board, the LED Power Module is a true constant-current regulated driver for LEDs using the popular LuxDrive puck series of drivers. Unlike traditional MCPCBs, the driver for these LEDs is contained conveniently on board, allowing power supplies which deliver a fixed voltage (such as 24VDC) to be used. Power can be "end fed" at either end of the strip and utilizes a unique non-polarized connection for goof proof assembly. Using a joiner connector (06007-401), several strips can be stacked/attached together (up to 10 feet typical). "Stub" sections can be shortened at 2" steps to fit any length requirement. Can be used with L2Optics 20mm line of optics.

Features

- DC input power up to 32VDC
- On board drivers provide constant current
- 12" x .88" (30.5 x 2.25 cm), cuttable 2" (50.8 cm)
- Fits with L2Optics 20mm optics and holders
- Easily joined for up to 10 feet length (typical)
- 0 to 100% dimming w/signal pass-through
- Non-Polarized connections - No Goofs
- Compatible with LUXEON I, III, and K2
- Optional on-board thermal cutback
- Accepts award-winning LuxDrive Puck Drivers
- Series configuration eliminates current hogging

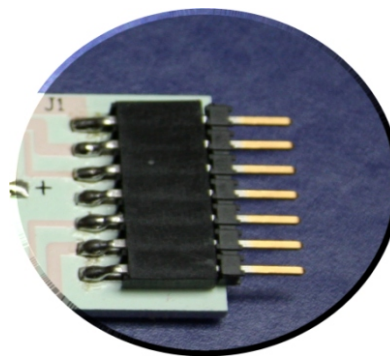


Figure 1
End of strip with "Joiner" connector inserted
06007-401



Figure 2

3021 BuckPuck powering (6) LUXEON LEDs in series
($V_{IN} = 24VDC$) and end-feeding another strip

Typical Applications

- Line lighting and wall wash
- Automotive, RV & Marine Lighting
- Tight space and cove lighting
- Point of Purchase Lighting
- Desk & Reading Lamps
- Fluorescent replacement fixtures
- Cabinet & Display Case Lighting
- Sign & Channel Letters

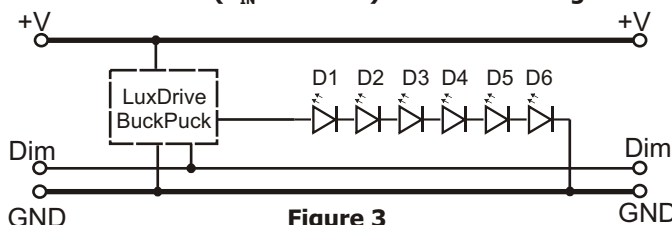


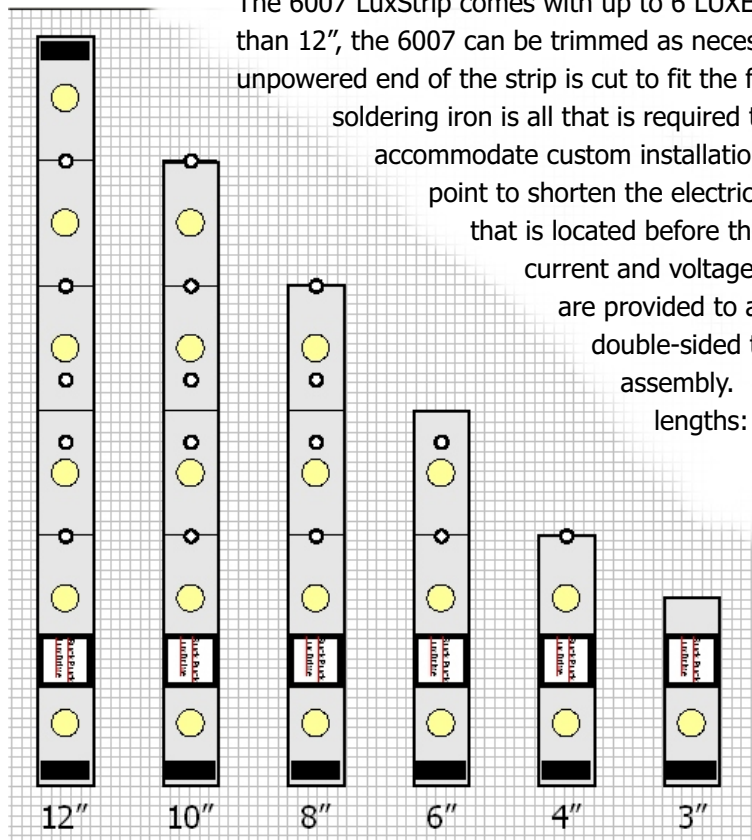
Figure 3
Electrical equivalent of strip



RoHS
Compliant
2002/95/EC

* - Units can be customized for other LEDs or redesigned for OEM applications - Contact LuxDrive for more information

Configuration



The 6007 LuxStrip comes with up to 6 LUXEON devices. To be able to fit lengths of less than 12", the 6007 can be trimmed as necessary. This method is called "stub", where the unpowered end of the strip is cut to fit the fixture or extrusion. A common hacksaw and soldering iron is all that is required to allow for field modification of the strips to accommodate custom installations. Jumper pads are available at each cut point to shorten the electrical length of each string. Simply jump the pad that is located before the cut. The remaining LEDs will get the proper current and voltage since they have their own driver. Screw holes are provided to allow secure connection to the heatsink, or double-sided thermal tape may be used for speedy and easy assembly. Using this approach, here are the possible lengths:

Length	Number of LEDs
12" (305mm)	6
10" (254mm)	5
8" (203mm)	4
6" (152mm)	3
4" (102mm)	2
3" (76mm)	1

Figure 4
Typical "stub" strip cut lengths and results

Typical Characteristics

Type of LED	LED Current (mA)	No. of Strips Per Supply (feet)	Supply Rating(mA)/(watts)
LUXEON I	350mA (white)	12 max (12 feet)	4A / 96W
LUXEON III	700mA (white)	8 max (8 feet)	6A / 144W
LUXEON K2 - Low	350mA (white)	12 max (12 feet)	4A / 96W
LUXEON K2 - Low	700mA (white)	8 max (8 feet)	6A / 144W
LUXEON K2 - High	700mA (white)	8 max (8 feet)	6A / 144W
LUXEON K2 - High	1000mA (white)	6 max (6 feet)	6A / 144W

Figure 5
Maximum strip lengths and power supply requirements



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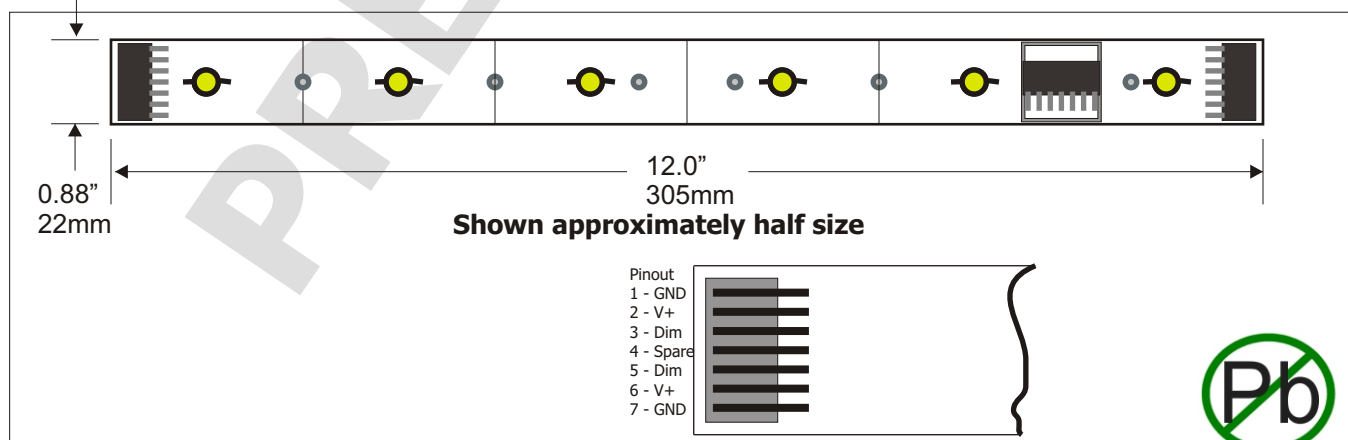
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Part Number Identification Table

TO BE DETERMINED

Contact LuxDrive for information.

Physical Dimensions



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