

# TM-L90II LFC Thermal Label Printer

Thermal Label Printer

POS



## Versatile liner-free compatible label printer for operational efficiency.

**Label-taken sensor** — accepts multiple jobs but only prints one label at a time; prevents continuous printing and labels adhering to each other

**Back-feed capability** — retracts labels so it can print closer to the top for more efficient media use

**Advanced paper-saving features** — white-space and character-height reduction help reduce paper usage up to 47 percent<sup>1</sup>

**Ready-to-use labels** — help improve order accuracy and customer satisfaction

**Flexible** — one printer for both liner-free labeling and receipt printing

**mPOS friendly** — supports printing from smartphones and tablets

**Convenient** — dual interfaces, including built-in USB for flexible connectivity

**Fast print speeds** — up to 170 mm/sec

**Versatile** — 40, 58 and 80 mm print width support options

**Printer**

**Print Method** Thermal line printing  
**Print Speed** Max. 170 mm/sec (thermal receipt); 90 mm/sec (label media)  
**Print Resolution** 203 x 203 dpi  
**Print Font** Font (A/B)  
**40 mm** 12 x 24, 7 x 17/9 x 17, 7 x 17  
**58 mm** 13 x 24, 10 x 24/10 x 17, 7 x 17  
**80 mm** TM-T88 compatible mode 13 x 24, 10 x 17; TM-L90 compatible mode 12 x 24, 9 x 17  
**Column Capacity** 64/48 columns  
**Character Size (W x H)** 1.13 mm x 2.13 mm and 1.5 mm x 3.0 mm  
**Character Set** 95 Alphanumeric, 37 International, 128 x 11 Graphic  
**Barcode** UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), ITF, Code 39/93/128, CODABAR, QR-CODE, MaxiCode, PDF417  
**Reliability**  
**MTBF** 360,000 hours<sup>2</sup>  
**MCBF** 70 million lines (receipts), 35 million lines (labels)<sup>2</sup>  
**Auto Cutter** 2 million cuts (receipts), 1 million cuts (labels)<sup>2</sup>

**Media**

**Paper Width** 40 mm, 58 mm, 80 mm  
**Paper Diameter** 4" (102 mm)  
**Media Thickness** 2 mil to 8 mil, depending on media

**General**

**Interface** Built-in USB interface + another selection; Serial RS-232c, Ethernet, Wireless (USB dongle)  
**Data Buffer** 4K or 45 bytes  
**Power** 24 VDC ±7%  
**Power Consumption** Approx. 1.7A (mean)  
**D.K.D. Function** 2 drawers  
**Color** Epson<sup>®</sup> Dark Gray  
**Factory Options** PS-180 AC adaptor, paper roll spacer, wall-hanging bracket WH-10  
**Environmental Standards** WEEE RoHS compliant  
**EMI Standards** FCC/ICES-003 Class A, CE marking, AS/NZS CISPR22 Class A  
**Safety Standards** UL, CSA, TUV (EN60950)  
**Overall Dimensions (W x D x H)**  
 5.5" x 7.9" x 5.8" (140 mm x 148 mm x 203 mm)  
**Weight** Approx. 4.19 lb (1.9 kg)

**What's in the Box**

TM-L90II LFC thermal label printer, User Guide, guides for 40 mm and 58 mm paper, power supply with AC cable

**Warranty**

1-year standard limited warranty

**Eco Features**

RoHS compliant  
 Multiple models are ENERGY STAR<sup>®</sup> qualified  
 Recyclable product<sup>3</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>4</sup>

**Ordering Information\***

**TM-L90II LFC 40 mm/58 mm/80 mm media width support**  
 Ethernet, Built-in USB, Epson Dark Gray C31C412A7231  
 Serial, Built-in USB, Epson Dark Gray C31C412A7211  
 Wireless, Built-in USB, Epson Dark Gray C31C412A7191  
 \*Contact your Epson representative for additional models.

**Epson Tested Media<sup>5</sup>**

For information about Epson Tested Media, visit [www.epson.com/lfctestedmedia](http://www.epson.com/lfctestedmedia)



<sup>1</sup> Paper savings depend on the text and graphics printed on the receipt. | <sup>2</sup> Epson's statements about reliability levels are only estimates based on normal use of the printer using tested media only. See [www.epson.com/testedmedia](http://www.epson.com/testedmedia) for more information on Tested Media. These reliability statements are not warranties of the media or Epson's printers, and the only warranties for printers are the limited warranty statements for each printer. | <sup>3</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>4</sup> SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | <sup>5</sup> Proper use of tested media is consistent with the printer warranty, but damage from use of non-tested media is not covered by the printer warranty. Epson's statements about tested media are not warranties of the media, tested or otherwise, and tested media are not Epson products or warranted by Epson. See [www.epson.com/testedmedia](http://www.epson.com/testedmedia) for more information on Tested Media.

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