NAME
>   grolbp − groff driver for Canon CAPSL printers (LBP-4 and LBP-8 series laser printers)

SYNOPSIS
>   **grolbp** [−**l**] [−**c** *num-copies*] [−**F** *font-directory*] [−**o** *orientation*] [−**p** *paper-size*] [−**w** *width*] [*file* . . .]
>   **grolbp** [−−**copies=***num-copies*] [−−**fontdir=** *font-directory*] [−−**landscape**] [−−**linewidth=***width*]
>   [−−**orientation=***orientation*] [−−**papersize=***paper-size*] [*file* . . .]
>
>   **grolbp −h**
>   **grolbp −−help**
>
>   **grolbp −v**
>   **grolbp −−version**

DESCRIPTION
>   **grolbp** is a driver for **groff** that produces output in CAPSL and VDM format suitable for Canon LBP-4 and
>   LBP-8 printers.
>
>   For compatibility with **grolj4**(1) there is an additional drawing command available:
>
>   **\D'R** *dh dv***'**
>   Draw a rule (i.e., a solid black rectangle), with one corner at the current position, and the diago-
>   nally opposite corner at the current position +(*dh*,*dv*).

OPTIONS
>   Note that there can be whitespace between a one-letter option and its argument; on the other hand, there
>   must be whitespace and/or an equal sign ('=') between a long-name option and its argument.
>
>   −**c** *num-copies*
>   −−**copies=***num-copies*
>   Print *num-copies* copies of each page.
>
>   −**F** *font-directory*
>   −−**fontdir=** *font-directory*
>   Prepend directory font-directory*/dev*name to the search path for font and device description files;
>   *name* is the name of the device, usually **lbp**.
>
>   −**h**
>   −−**help**   Print a short help text.
>
>   −**l**
>   −−**landscape**
>   Print the document with a landscape orientation.
>
>   −**o** *orientation*
>   −−**orientation=***orientation*
>   Print the document with *orientation* orientation, which must be 'portrait' or 'landscape'.
>
>   −**p** *paper-size*
>   −−**papersize=***paper-size*
>   Set the paper size to *paper-size*, which must be a valid paper size description as indicated in sec-
>   tion "Paper Sizes", below.
>
>   −**v**
>   −−**version**
>   Print the version number.
>
>   −**w** *width*
>   −−**linewidth=***width*
>   Set the default line thickness to *width* thousandths of an em. If this option isn't specified, the line
>   thickness defaults to 0.04 em.

TYPEFACES

The driver supports the Dutch, Swiss and Swiss-Narrow scalable typefaces, each one in the Regular, Bold, Italic and Bold-Italic styles. Additionally, the Courier and Elite monospaced typefaces at the sizes 8 and 12 points (for Courier) resp. 8 and 10 points (for Elite) are supported, each one in the Regular, Bold and Italic styles.

The following chart summarizes the font names you can use to access these fonts:

Typeface	Regular	Bold	Italic	Bold-Italic
Dutch	TR	TB	TI	TBI
Swiss	HR	HB	HI	HBI
Swiss Narrow	HNR	HNB	HNI	HNBI
Courier	CR	CB	CI	
Elite	ER	EB	EI	

PAPER SIZES

The paper size can be set in the *DESC* file or with command-line options to **grolbp**. If the paper size is specified both ways, the command-line options take precedence over the contents of the *DESC* file (this applies to the page orientation too).

See **groff_font**(5) how to set the paper dimensions in the *DESC* file.

To set the paper size in the command line, add

  −p *paper-size*

or

  −−papersize= *paper-size*

to the other **grolbp** options, where *paper-size* is in the same format as in the *DESC* file.

If no paper size is specified in the *DESC* file or the command line, a default size of A4 is used.

PAGE ORIENTATION

As with the page size, the orientation of the printed page (**portrait** or **landscape**) can be set in the *DESC* file or with command-line options. It is also case insensitive.

To set the orientation in the *DESC* file, insert a line with the following content:

  orientation [**portrait**|**landscape**]

Only the first valid orientation command in the *DESC* file is used.

To set the page orientation with command-line options you can use the **−o** or **−−orientation** option with the same parameters (**portrait** or **landscape**) as in the *DESC* file. Or you can use the **−l** option to force the pages to be printed in landscape.

FONT FILE FORMAT

In addition to the usual commands described in **groff_font**(5), **grolbp** provides the command *lbpname* which sets the font name sent to the printer when requesting this font. The syntax of this command is:

  lbpname *printer_font_name*

• For bitmapped fonts, *printer_font_name* has the form

  N⟨*base_fontname*⟩⟨*font_style*⟩

  base_fontname is the font name as it appears in the printers font listings without the first letter, up to (but not including) the font size. *font_style* can be one of the letters **R**, **I**, or **B**, indicating the

font styles Roman, Italic and Bold respectively.

For instance, if the printer's *font listing A* shows font 'Nelite12I.ISO_USA', the corresponding en-
try in the font description file is

lbpname NeliteI

Note that you may need to modify **grolbp** to add support for new bitmapped fonts, since the avail-
able font names and font sizes of bitmapped fonts (as documented above) are hard-coded into the
program.

• For scalable fonts, *printer_font_name* is identical to the font name as it appears in the printer's
  font listing A.

  For instance, to select the 'Swiss' font in bold style, which appears in the printer's *font listing A* as
  'Swiss-Bold', the required **lbpname** command line is

lbpname Swiss-Bold

The argument of **lbpname** is case sensitive.

ENVIRONMENT

GROFF_FONT_PATH
    A list of directories in which to search for the *dev*name directory in addition to the default ones.
    See **troff**(1) and **groff_font**(5) for more details.

FILES

/usr/share/groff/1.22.4/font/devlbp/DESC
    Device description file.

*/usr/share/groff/1.22.4/font/devlbp/*F
    Font description file for font *F*.

/usr/share/groff/1.22.4/tmac/lbp.tmac
    Macros for use with **grolbp**.

SEE ALSO

groff(1), **troff**(1), **groff_out**(5), **groff_font**(5), **groff_char**(7)