

# ℒ<sub>T</sub>ℒ support for Lato

## Version 1.0

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## 1 Introduction

Lato is a sanserif typeface family designed in the Summer 2010 by Warsaw-based designer Łukasz Dziedzic for the tyPoland foundry. This font, which includes five weights (*hairline*, *light*, *regular*, **bold** and **black**), is available from the Google Font Directory [1] as TrueType files under the OFL version 1.1.

This package provides support for this font in ℒ<sub>T</sub>ℒ. It includes the original TrueType fonts, as well as Type 1 versions, converted for this package using Font-Forge for full support with Dvips.

## 2 Installation

These directions assume that your ℒ<sub>E</sub>ℒ distribution is TDS-compliant.

Once the `lato.zip` archive extracted:

1. Copy `doc/`, `fonts/`, `source/`, and `tex/` directories to your `texmf/` directory (either your local or global `texmf/` directory).
2. Run `mktexlsr` to refresh the file name database and make  $\TeX$  aware of the new files.
3. Run `updmap --enable Map lato.map` to make Dvips, dvipdf and pdf $\TeX$  aware of the new fonts.

Note that this package requires the `keyval` [2] and `slantsc` [3] (to handle italic/slanted small caps) ones to work.

## 3 Usage

### 3.1 Calling Lato

You can use the Lato font in a  $\LaTeX$  document by adding the command

```
\usepackage{lato}
```

to the preamble. The package supplies the `\flafamily` command to switch the current font to Lato.

#### 3.1.1 Options

**Lato as default (sans-serif) font** You can set  $\LaTeX$  to use Lato as standard font throughout the whole document by passing the `default` option to the package:

```
\usepackage[default]{lato}
```

To set Lato as default sans-serif only:

```
\usepackage[defaultsans]{lato}
```

**Default weight** The following options specify which weight of the font you prefer to use:

<code>regular</code>	use regular face
<code>light</code>	use light face

The `medium` option is enabled by default.

**Default bold weight** The following options specify which weight of the font you prefer to use for bold texts:

<code>bold</code>	<b>use bold face</b>
<code>black</code>	<b>use black face</b>

The `bold` option is enabled by default.

**Font scaling** The font can be up- and downscale by any factor. This can be used to make Lato more friendly when used in company with other type faces, e.g., to adapt the x-height. The package option `scale=ratio` will scale the font according to *ratio* (1.0 by default), for example:

```
\usepackage[scale=0.95]{lato}
```

## 3.2 Encodings

The following encodings are supported:

OT1, T1, TS1 (partial)

To use one or another encoding, give the  $\LaTeX$  name to the `fontenc` package as usual, as in

```
\usepackage[T1]{fontenc}
\usepackage{lato}
```

Note that, as usual with OT1 encoded fonts, kerning with accented characters is treated poorly, if at all. Note difference in kerning between e.g.

OT1-encoded	To Ta Té
T1-encoded	To Ta Té

It is therefore advised to always use the Lato fonts in any encoding than OT1 when typing diacritics.

## 3.3 Available weights and variants

The following table lists the available font series and shapes with their NFSS classification. Parenthesized combinations are provided via substitutions.

family	encoding	series	shape
fla	OT1, T1	m, b (bx), eb, l, ul	n, it (sl) sc, scit (scsl)
	TS1	m, b (bx), eb, l, ul	n, it (sl)

Notice that the small capitals are faked ones (reduced to 80%).

## 4 Known bugs and improvements

Please send bug reports and suggestions about the Lato  $\LaTeX$  support to [Mohamed El Morabity](#).

## 4.1 Small dotless “j”

The Lato font files do not provide any dotless “j” glyph. This  $\text{\LaTeX}$  support provides a faked one (j), available by typing `\j`, and built using the `t1dotlessj` command (from LCDF Typetools [4]).

## 5 License

This package is released under the  $\text{\LaTeX}$  project public license, either version 1.3c or above [5]. Anyway both the TrueType and Type 1 files are delivered under the Open Font License version 1.1 [6].

## References

- [1] <http://code.google.com/webfonts/family?family=Lato>
- [2] <http://www.ctan.org/tex-archive/macros/latex/required/graphics/>
- [3] <http://www.ctan.org/tex-archive/macros/latex/contrib/slantsc/>
- [4] <http://www.lcdf.org/type/>
- [5] <http://www.latex-project.org/lppl/lppl-1-3c.html>
- [6] [http://scripts.sil.org/OFL\\_web](http://scripts.sil.org/OFL_web)