# Speedbar - Major Modes Compatibility 🚧

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
Speedbar and SR-Speedbar	The table describes the capabilities and compatibility of Speedbar and Speedbar-SR with various major modes. It complements the information on Speedbar and Speedbar-SR available in the ∑ **Speedbar** table. • This is an early version. More information will be included as more Emacs major modes are tested with Speedbar. • Also note that these correspond to test using PEL with the current packages used. You may get other results with other packages. If you do, please let me know.					
Ada		**ada-mode.el**				
Assembler		**asm-mode.el**				
Asciidoc	ℳ **AsciiDoc**	**adoc-mode.el**	adoc-mode	adoc-mode	adoc	• .adoc files ❌ • Document sections ❌
Batch files		**bat-mode.el**				

C	ℬℓ **- C**	**cc-mode.el**				• .c files: ✅
						  • function definitions ✅
						  • pre-processor macros ❌
						• .h files: ✅
						  • inline function definitions ✅
						  • pre-processor macros ❌

C++	ℬℓ **- C++**	C++				• .cpp files: ✅
						  • class definition ❌
						  • class member function definitions ✅ shows namespace,
						  • function definitions ✅
						  • template function instance definition ✅
						  • template function definitions ❌
						  • pre-processor macros ❌
						• header files (.hpp): ✅
						  • class definition ❌
						  • class member function definitions ❌
						  • function definitions ❌
						  • template function definitions ❌
						  • pre-processor macros ❌

C#						
Ceylon						
Chapel						
CLU						
Clojure						
CMake						
Crystal						
Curl						
CWEB						
D	ℬℓ **- D**	D				
Dart						
Eiffel						
Elixir	ℬℓ **- Elixir**					
Elm						

Emacs Lisp	ℒℬℓ **- Emacs Lisp**	**elisp-mode.el**				• .el files: ✅
						  • defun top-level & indented forms ✅
						  • defmacro top-level forms ✅ (Note: does not distinguish from defun)
						  • defsubst top-level forms
						  • defvar top-level and indented forms ✅
						  • defconst top-level forms
						  • defcustom top-level forms
						  • defgroup top-level forms
						  • defhydra indented ❌

Erlang	ℬℓ **- Erlang**					⚠️ Does not work by default. PEL provides a fix ✅. • .erl files: ✅ • .escript files: ✅ • .hrl files: ✅ • Erlang functions
F#						
F*						

Forth	ℬℓ **- Forth**					• .fth files ✅ when **pel-use-forth** is **t** .
						  • Variables ✅
						  • Words ✅

Fortran F-90 and F-95		**f90.el**				
Fortran F-77, F-90		**fortran.el**				

Go	ℬℓ **- Go**	**go-mode.el**	go-mode	go-mode	Go	⚠️ Does not work by default. PEL provides a fix ✅.
						• .go files ✅
						  • func ✅
						  • type ✅
						• go.mod files ❌

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
Groovy						
Haskell						
Hop						
HTML				mhtml-mode	XHTML+	• .html files ✅ • headings \<h1\>, \<h2\>, …✅
Hy						
Icon		**icon.el**				
IDL		**idlwave.el**				
Java						
Javascript		**js.el**				
Julia	℘ℓ **- Julia**					
Kotlin						
LaTeX						
Ld - GNU Linker		**ld-script .el**				
Limbo						

**Lisp -
Common Lisp**
	℘ℓ **- Common Lisp**					⚠️ Does not support .lisp files by default. PEL provides a fix ✅
						• .l, .lsp, .lisp files ✅
						  • func ✅
						  • type ✅

LiveScript						
LFE						
Lua						
M4		**m4-mode.el**				
Make	℘ℓ **- Make**	**make-mode.el**	make-mode	• makefile-bsdmake-mode	• BSDmakefile	• Macro assignments ✅ • Dependencies ✅ • ❌ Includes extra/invalid dependencies in operations when the line includes a colon. Seen on Emacs 26.3. However **makefile-previous-dependency** does work properly. Since this is what's used, need investigation.🚧
Markdown						
ML						
Modula 2		**modula2.el**				
Modula 3						
Nemerle						

NetRexx	℘ℓ **- REXX**	**netrexx-mode.el**	netrexx-mode	netrexx-mode	Netrexx	• .nrx files: ✅
						  • class definitions ✅
						  • method definitions ✅

Newspeak						
Nim						
Object Pascal		**opascal.el**				
Objective-C						
OCaml						
Octave		**octave.el**				
OpenCL						
Opa						
Org Mode	ℳ **Outline/Org-Mode**			org-mode	Org	• .org files: ✅ • sections ✅ • extension-less files that are identified as org-mode files with file level variables: ❌ 🚧 Check for ways to activate Speedbar support. Activating a menu Index does not seem to help).
Oxygene						
Pascal		**pascal.el**				
Perl		**perl-mode.el**				
Pike						
Postscript		**ps-mode.el**				
Prolog		**prolog.el**				
PureScript						

Python	℘ℓ **- Python**	**python.el**		python-mode	**Python**	• .py files: ✅
						  • class definitions ✅
						  • class method definitions ✅
						  • function definitions ✅
						  • ❌ functions defined inside logical statements (like if statements) and therefore indented are no always reported. 🚧 More investigation needed.

		python-mode.el		python-mode	**Py**	• .py files: ✅
						  • class definitions ✅
						  • class method definitions ✅
						  • function definitions ✅

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
		⚠️ Both files use the **same** major mode name. python.el is distributed with Emacs, python-mode.el was written before but is not part of the standard distribution and is quite large (1677 functions in version 20201230.2132). Once python-mode.el is installed it normally overrides python.el by being identified before python.el in Emacs load-path. It is not possible to use both and select one dynamically. 🚧 Although this was written first, at this point I'd recommend to rename the mode to py-mode (it would match the mode-line lighter). ⚠️ There is a difference of behaviour between Speedbar (in graphics mode) and SR-Speedbar (in terminal mode). Speedbar seems to detect more Python items. 🚧 More investigation is needed.				
Racket						
ReasonML						
reStructuredText	M **reStructuredText**					• .rst files: ❌ • sections ❌
Rexx	**℘ι - REXX**	**rexx-mode.el**	rexx-mode	rexx-mode	REXX	• .rex, .rexx, .elx, .ncomm, .cpr files ✅ • procedure definitions ✅
Rebol						
Red						
Ruby		**ruby-mode.el**				
Rust						
Sather						
Scala						
Scheme		**scheme.el**				
MIT Scheme		**xscheme.el**				
Self						
Shell Script		**sh-script.el**				
Shen						
Simula		**simula.el**				
Smalltalk						
Solidity						
SQL		**sql.el**				
Swift						
Tcl		**tcl.el**	tcl			
TeX						
TypeScript						
V						
Vala						
Vera, OpenVera		**vera-mode.el**	vera-mode			
• **Verilog** • **SystemVerilog**		**verilog-mode.el**				
VHDL		**vhdl-mode.el**				
XML						
Zig						