The fontawesome-free package Up-to-date LuaLTFX support for Font Awesome

Marc Penninga*

Version 1.2.1 (2025-03-25); includes version 6.7.2 of Font Awesome

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1 Introduction

There are several packages on CTAN that provide access to the free *Font Awesome* icons, but these have become outdated and are missing many icons from newer versions of Font Awesome. The fontawesome-free package attempts to deal with the update problem by building the LATEX support dynamically from data in the fonts themselves; updating the package is then as simple as replacing the font files with newer ones. The drawback of this approach is that the package only works with LualATEX.

2 Installation

This package is not (yet?) available from CTAN, so it must be installed manually; this is done by copying the contents of the texmf/directory to either your \$TEXMFLOCAL or your \$TEXMFHOME tree. Installing it in \$TEXMFLOCAL will make the package available to all users on the system, but may require administrator rights; installing it in \$TEXMFHOME makes it available only for you. The exact values of \$TEXMFLOCAL and \$TEXMFHOME depend on your TeX installation; see your installation's documentation for more information.

^{*}URL: github.com/drs-p/fontawesome-free

If you are using TeX Live, you can find the value of these variables by running

kpsewhich -expand-var '\$TEXMFLOCAL'

and similarly for \$TEXMFHOME.

3 Usage

The fontawesome-free package contains all icons from the free subset of the Font Awesome fonts. \fa The package provides one command, \fa, with a single mandatory argument: the $\langle name \rangle$ of the icon.

Some icons have light or open variants, such as ② and ③. Those variants are accessed by adding -o to the icon name: \fa{face-smile-o} instead of \fa{face-smile}. A list of all icons and their names is included in the appendices.

\fa* By default, the Font Awesome icons have varying widths. The \fa command has a starred variant \fa* that produces fixed-width icons, by centering them in a 1.25em wide box.

4 Copyright

All fonts are Copyright 2024 Fonticons, Inc. (https://fontawesome.com) with Reserved Font Name: "Font Awesome". All other files are Copyright 2024–2025 Marc Penninga.

5 License

The Font Awesome Free fonts are released under the SIL Open Font License, version 1.1. The rest of this package is released under the LaTeX Project Public License, version 1.3c.

All brand icons are trademarks of their respective owners. The use of these trademarks does not indicate endorsement of the trademark holder by Font Awesome or the author, nor vice versa. Please do not use brand logos for any purpose except to represent the company, product, or service to which they refer.

List of icons \mathbf{A}

address-book address-book-o **=** address-card **1** address-card-o **€€ ||| ||| |||** align-center align-justify align-left align-right anchor anchor-circle-check ₽ L anchor-circle-exclamation qo anchor-circle-xmark ₫₽ anchor-lock angle-down < > angle-left angle-right ^ * angle-up angles-down **«** angles-left **>>** angles-right 수 우 • angles-up ankh apple-whole **™** archway arrow-down 19 arrow-down-1-9 ↓? arrow-down-9-1 **↓** arrow-down-a-z arrow-down-long ĮΞ arrow-down-short-wide 艹 arrow-down-up-across-line arrow-down-up-lock Ϋ́Ξ arrow-down-wide-short ₽¥ arrow-down-z-a (arrow-left arrow-left-long ★ ↑ ↓ ↑ arrow-pointer arrow-right arrow-right-arrow-left arrow-right-from-bracket → →] arrow-right-long arrow-right-to-bracket arrow-right-to-city arrow-rotate-leftarrow-rotate-right arrow-trend-down arrow-trend-up arrow-turn-down 1 arrow-turn-up 1 arrow-up 13 arrow-up-1-9 11 $\operatorname{arrow-up-9-1}$ **1**2 arrow-up-a-z **1** arrow-up-from-bracket arrow-up-from-ground-water arrow-up-from-water-pump arrow-up-long arrow-up-right-dots arrow-up-right-from-square 亡 arrow-up-short-wide arrow-up-wide-short

arrow-up-z-a <u>++</u> $arrows\hbox{-}down\hbox{-}to\hbox{-}line$ ***.** † arrows-down-to-people \leftrightarrow arrows-left-right |↔| arrows-left-right-to-line C arrows-rotate arrows-spin 4 arrows-split-up-and-left →中へおけば☆※ arrows-to-circle arrows-to-dot arrows-to-eye arrows-turn-right arrows-turn-to-dots arrows-up-down arrows-up-down-left-right arrows-up-to-line **₩ A** O; •): atom audio-description award baby baby-carriage 44 backward H backward-fast M backward-step bacon bacteria bacterium bag-shopping * bahai 0 ban 8 ban-smoking bandage barcode bars bars-progress bars-staggered 4 baseball baseball-bat-ball ₩ basket-shopping | | | | basketball bath battery-empty battery-full battery-half battery-quarter battery-three-quarters bed bed-pulse beer-mug-empty bell bell-concierge Ţ bell-o bell-slash bell-slash-o bezier-curve ॐ bicycle İì binoculars biohazard Ê blender

В bold bolt bolt-lightning bomb bone Ţ bong book **(** book-atlas Ø book-bible H book-bookmark ₩ book-journal-whills book-medical book-open ÷ book-open-reader © book-quran 2 book-skull book-tanakh bookmark bookmark-o ⊞ border-all border-none \Box border-top-left U bore-hole ō bottle-droplet Ē bottle-water bowl-food bowl-rice bowling-ball box box-archive **∞** box-open box-tissue - ↑ boxes-packing رن boxes-stacked •••• braille 4 brain bread-slice ₩ bridge 两 bridge-circle-check 两 bridge-circle-exclamation ₩ bridge-circle-xmark ₩. bridge-lock II bridge-water 8 briefcase Ô briefcase-medical ď broom_ ≱: ₩ broom-ball brush bucket bug × bug-slash ** bugs Ħ building Ro building-circle-arrow-right Ro building-circle-check **Re** building-circle-exclamation Ro building-circle-xmark 盒 building-columns building-flag building-lock building-ngo

blender-phone

blog

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	building-un	<u></u>	chart-column	Ō	circle-play-o
# •	building-user	兩	chart-diagram	ŏ	circle-plus
	building-wheat	<u>:.</u>	chart-gantt	ĕ	circle-question
Ħ	bullhorn	~	chart-line	?	circle-question-o
<u></u>	bullseye	Ğ	chart-pie	⊗	circle-radiation
	burger	JI	chart-simple	ŏ	circle-right
*	burst	~	check	lacktriangle	circle-right-o
æ	bus	*	check-double	Ŏ	circle-stop
\Box	bus-simple	,	check-to-slot	Ō	circle-stop-o
	business-time		cheese	Ŏ	circle-up
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Ħ	calculator	g	chess-bishop-o	Ö	circle-user-o
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×	calendar-xmark-o	>	chevron-right	٩	clone
0	camera	•	chevron-up	모	clone-o
6	camera-retro	†	child		closed-captioning
B	camera-rotate	ń ł	child-combatant	cc	closed-captioning-o
A	campground	† †	child-dress	_	cloud
*	candy-cane cannabis	• •	child-reaching children	&	cloud-arrow-down cloud-arrow-up
*	capsules	#f	church	*	cloud-arrow-up cloud-bolt
A	capsules		circle	*	cloud-meatball
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**	car-burst	ĕ	circle-arrow-left	•	cloud-moon-rain
Ä	car-on	Ð	circle-arrow-right	 ***	cloud-rain
Æ	car-rear	ŏ	circle-arrow-up	::	cloud-showers-heavy
⊕	car-side	Ŏ	circle-check		cloud-showers-water
A	car-tunnel	Ø	circle-check-o	~	cloud-sun
<u>ģi</u>	caravan	•	circle-chevron-down	*	cloud-sun-rain
•	caret-down	G	circle-chevron-left	*	clover
4	caret-left	Ð	circle-chevron-right	>	code
•	caret-right		circle-chevron-up	مؤ	code-branch
•	caret-up	<u>o</u>	circle-dollar-to-slot	-	code-commit
M	carrot	Ō	circle-dot	ជា	code-compare
Ä	cart-arrow-down	©	circle-dot-o	, L	code-fork
Ħ	cart-flatbed	Q	circle-down	٦	code-merge
	cart-flatbed-suitcase	④	circle-down-o	เว	code-pull-request
<u> </u>	cart-plus	•	circle-exclamation		coins
	cart-shopping	0	circle-h	9	comment
	cash-register	0	circle-half-stroke	Ø	comment-dollar
L	cat	8	circle-info	•	comment-dots
#	certificate	•	circle-left	<u>@</u>	comment-dots-o
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co	mpass-o		dumpster	₿	face-grin-tongue-squin
co	mpress	T Ô	dumpster-fire	e	face-grin-tongue-wink
co	mputer		dungeon	@	face-grin-tongue-wink
co	mputer-mouse	Ŕ	ear-deaf	•	face-grin-wide
	okie	. ?)	ear-listen	@	face-grin-wide-o
CO	okie-bite	6	earth-africa	•	face-grin-wink
co	DV	3	earth-americas	۱	face-grin-wink-o
	ру-о	Ø	earth-asia	•	face-kiss
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	ce-d6	@	face-flushed-o	8	face-surprise
	ce-five	8	face-frown	⊙	face-surprise-o
	ce-four	8	face-frown-o	8	face-tired
	ce-one	8	face-frown-open	⊗	face-tired-o
	ce-six	©	face-frown-open-o	4	fan
	ce-three	•	face-grimace	÷	faucet
	ce-two		face-grimace-o	•	faucet-drip
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	file-code-o	Α	font	Œ	hand-point-right-o
	file-contract		font-awesome		hand-point-up
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x	file-excel		football	7	hand-pointer
×	file-excel-o	>>	forward	6	hand-pointer-o
₽÷	file-export	₩	forward-fast	7)	hand-scissors
S	file-fragment	M	forward-step	ಕು	hand-scissors-o
	file-half-dashed	Ŕ	frog	₩.	hand-sparkles
	file-image	❷	futbol	W	hand-spock
	file-image-o	②	futbol-o	%	hand-spock-o
-51	file-import	Œ	gamepad	ÓÒ	handcuffs
	file-invoice	₽ì	gas-pump	3	hands
	file-invoice-dollar	⊕	gauge	Ę	hands-asl-interpreting
Ě	file-lines	Ø	gauge-high	<u> </u>	hands-bound
Ē	file-lines-o	Ŏ	gauge-simple	~	hands-bubbles
F	file-medical	Ŏ	gauge-simple-high	* ***********************************	hands-clapping
6	file-o	*	gavel	60	hands-holding
PDF	file-pdf	•	gear	しずと	hands-holding-child
PDF	file-pdf-o	***	gears	62	hands-holding-circle
LPDF	file-pen	*	gem	77	hands-praying
B	file-powerpoint	$\stackrel{\blacktriangledown}{\Leftrightarrow}$	gem-o	181	handshake
P	file-powerpoint-o	ŏ	genderless	5	handshake-angle
R.	file-prescription	Ä	ghost	©	handshake-o
	file-shield	#		ॐ	
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	file-signature file-video		9		handshake-simple-slash handshake-slash
9		ū	glass-water		
	file-video-o		glass-water-droplet		hanukiah
	file-waveform	69	glasses		hard-drive
W	file-word		globe		hard-drive-o
er W	file-word-o	•	golf-ball-tee	•	hat-cowboy
6	file-zipper	A	gopuram	A	hat-cowboy-side
6	file-zipper-o		graduation-cap	<u> </u>	hat-wizard
Š	fill	***	grip	•	head-side-cough
& .	fill-drip	=	grip-lines		head-side-cough-slash
	film	II	grip-lines-vertical	%	head-side-mask
T	filter	ij	grip-vertical	<u> </u>	head-side-virus
T 6	filter-circle-dollar	(6)	group-arrows-rotate	H	heading
7 8	filter-circle-xmark	<u>ø'</u>	guitar	$\mathbf{\hat{o}}$	headphones
@	fingerprint	Ę	gun	$\widehat{\mathbf{Q}}$	headphones-simple
Ø	fire	>	hammer	\mathbf{Q}	headset
٩	fire-burner	A	hamsa	•	heart
1	fire-extinguisher		hand	€	heart-circle-bolt
Ş	fire-flame-curved	•	hand-back-fist	€	heart-circle-check
٥	fire-flame-simple	()	hand-back-fist-o	₹	heart-circle-exclamation
×	fish	-	hand-dots	6	heart-circle-minus
*	fish-fins		hand-fist	€	heart-circle-plus
	flag	~	hand-holding	€	heart-circle-xmark
羉	flag-checkered	\$	hand-holding-dollar	v	heart-crack
\bowtie	flag-o	1-1 (1) -1	hand-holding-droplet	\Diamond	heart-o
₽	flag-usa	Z	hand-holding-hand	ॐ	heart-pulse
Д	flask	Ž	hand-holding-heart	₹_	helicopter
<u>ul</u>	flask-vial	Ė	hand-holding-medical	⊕ (∯	helicopter-symbol
8	floppy-disk	3	hand-lizard	*	helmet-safety
	floppy-disk-o	ಶ	hand-lizard-o	@	helmet-un
	folder	•	hand-middle-finger	NA M	hexagon-nodes
	folder-closed	®	hand-o	Mo	hexagon-nodes-bolt
	folder-closed-o	Ŷ.	hand-peace	Ø	highlighter
	folder-minus	8	hand-peace-o	Ž i	hill-avalanche
$\overline{\Box}$	folder-o	គ្គ	hand-point-down	₹.	hill-rockslide
	folder-open	PP	hand-point-down-o	~	hippo
	folder-open-o	Ę.	hand-point-left		hockey-puck
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Ä	holly-berry		jar-wheat	<i>3</i>	marker
T	horse	₹	jedi	o"	mars
6	horse-head	*	jet-fighter	∳ Ç"	mars-and-venus
	hospital	*	jet-fighter-up	ن	mars-and-venus-burst mars-double
9.	hospital-o hospital-user		joint	ď	mars-double mars-stroke
	hot-tub-person		jug-detergent kaaba	O++	mars-stroke-right
	hotdog	ă	key		mars-stroke-up
囲	hotel		keyboard	¥	martini-glass
X	hourglass		keyboard-o	♦ Y Y	martini-glass-citrus
¥	hourglass-end	(khanda	Ÿ	martini-glass-empty
₹	hourglass-half	(Ē)	kit-medical	ā	mask
호	hourglass-half-o	<u>•</u>	kitchen-set	•	mask-face
$\overline{\mathbb{X}}$	hourglass-o	•	kiwi-bird	(mask-ventilator
	hourglass-start	<u> </u>	land-mine-on	(a)	masks-theater
\Diamond	house	血	landmark		mattress-pillow
Ħ	house-chimney	m	landmark-dome	×	maximize
₹ 1	house-chimney-crack	血	landmark-flag	8	medal
ð	house-chimney-medical	ΑŻ	language		memory
æ	house-chimney-user	<u> </u>	laptop	Ď M	menorah
Ò	house-chimney-window	<u></u>	laptop-code		mercury
fo	house-circle-check		laptop-file		message
f e	house-circle-exclamation	<u>+</u>	laptop-medical		message-o
f ⊗	house-circle-xmark	\$	layer-group	₫	meteor
13	house-crack	—	leaf	#	microchip
1 6	house-fire house-flag	↔	left-long left-right		microphone microphone-lines
a	house-flood-water		lemon	Æ	microphone-lines-slash
	house-flood-water-circle-arrow-	0	lemon-o	Ž	microphone-slash
	right	Ø	life-ring	<u> </u>	microscope
✿	house-laptop	⊗́	life-ring-o	XK	minimize
	house-lock	ě	lightbulb	<u> </u>	mitten
	house-medical	@ ©	lightbulb-o	Ī	mobile
Co	house-medical-circle-check	//	lines-leaning		mobile-button
€ 0	house-medical-circle-exclamation	ര	link		mobile-retro
C o	house-medical-circle-xmark	795	link-slash		mobile-screen
	house-medical-flag	≔	list		mobile-screen-button
№	house-signal	žΞ	list-check		money-bill
	house-tsunami	1 2 2	list-ol	(0)	money-bill-1
8	house-user	i	list-ul	⊙	money-bill-1-o
Q) Y	hurricane	1	location-arrow	()	money-bill-1-wave
Ĭ	i-cursor ·	•	location-crosshairs	E	money-bill-transfer
▼	ice-cream icicles	9	location-dot location-pin		money-bill-trend-up money-bill-wave
9 53	icons	%	location-pin-lock	÷>>> EOB	money-bill-wheat
07 8	id-badge	4	lock		money-bills
	id-badge-o		lock-open		money-check
	id-card	A	locust	\$ =	money-check-dollar
	id-card-clip	63	lungs	<u> </u>	monument
	id-card-o	(4)	lungs-virus	ī	moon
Æ	igloo	U	magnet	C	moon-o
	image	Q	magnifying-glass	¥	mortar-pestle
	image-o	Q	magnifying-glass-arrow-right	îm	mosque
8	image-portrait	Q	magnifying-glass-chart	*	mosquito
	images	Q	magnifying-glass-dollar	*	mosquito-net
	images-o	Q	magnifying-glass-location	ĕ	motorcycle
	inbox	Q	magnifying-glass-minus	<u> </u>	mound
	indent	Q	magnifying-glass-plus	ARL ARL	mountain
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•	note-sticky	**	person-dress-burst	3	prescription-bottle
\Box	note-sticky-o	*	person-drowning		prescription-bottle-medical
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	object-group	* *	person-falling-burst	Ō.	pump-medical
	object-group-o	1	person-half-dress		pump-soap
다	object-ungroup	۱ĥ	person-harassing	*	puzzle-piece
뺶	object-ungroup-o	, ₹I	person-hiking	00 20	qrcode
•	oil-can		person-military-pointing	66	quote-left
A	oil-well	Ň	person-military-rifle	99	quote-right
35	om	**	person-military-to-person	**	radiation
1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	otter	~	person-praying	E	radio
=	outdent	†	person-pregnant	@	rainbow
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7	paint-roller	44	person-rifle .	Ħ	receipt
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