

F-35B Lightning II - 2025, Block 31/4

United States

Type: Multirole (Fighter/Attack)

Min Speed: 350 kt

Max Speed: 920 kt

Commissioned: 2025

Length: 15.7 m

Wingspan: 13.1 m

Height: 4.54 m

Crew: 1

Empty Weight: 15000 kg

Max Weight: 27300 kg

Max Payload: 6810 kg

Propulsion: 1x F135-PW-100

Sensors / EW: - AN/ASQ-239 Barracuda - (F-35) ESM, ELINT, Max range: 926 km

- AN/APG-81 AESA - (F-35, LPI) Radar, Radar, FCR, Air-to-Air & Air-to-Surface, Long-Range, Max range: 370.4 km

- AN/AAQ-37 EO-DAS - (F-35) Infrared, Infrared, Day/Night Spherical Situational Awareness & Fire Control, Max range: 111.1 km

- EOTS [Laser Designator] - (F-35) Laser Designator, Laser Target Designator & Ranger (LTD/R), Max range: 27.8 km

- EOTS [IRST] - (F-35) Infrared, Infrared, Navigation / Attack FLIR & Air-to-Air Tracking, Max range: 185.2 km

- AN/AAQ-37 EO-DAS MAWS - (F-35) Infrared, MAWS, Missile Approach Warning System, Max range: 9.3 km

- AN/APG-81 OECM - (F-35, AN/APG-81) ECM, OECM, Offensive ECM, Max range: 0 km

Weapons / Loadouts:

- AIM-120D AMRAAM P31.4 - (2016) Guided Weapon. Air Max: 138.9 km.

- GBU-12D/B Paveway II LGB [Mk82] - Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- GBU-32(V)2/B JDAM [Mk83] - (USN, 2001) Guided Weapon. Land Max: 22.2 km.

- AIM-9X Sidewinder - (2005) Guided Weapon. Air Max: 18.5 km.

- 25mm GAU-22/A Equalizer Burst [30 rnds] - (Aircraft, F-35) Gun. Air Max: 1.5 km. Surface Max: 1.9 km. Land Max: 2.8 km.

- AGM-154A JSOW [145 x BLU-97/B Dual Purpose] - (2000) Guided Weapon. Land Max: 83.3 km.

- AGM-154C JSOW [BROACH] - (2004) Guided Weapon. Surface Max: 83.3 km. Land Max: 83.3 km.

- GBU-10E/B Paveway II LGB [Mk84] - (USAF) Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- GBU-10J/B Paveway II LGB [BLU-109/B] - Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- GBU-16B/B Paveway II LGB [Mk83] - (USN) Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- GBU-24B/B Paveway III LGB [BLU-109A/B] - (USN) Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.

- GBU-24D/B Paveway III LGB [BLU-116/B] - (USN, 2001, First delivered 1999) Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.

- GBU-24E/B Paveway III GPS/LGB [BLU-109A/B] - (USN, 2001) Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.

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- GBU-31(V)2/B JDAM [Mk84] - (USN, 2000) Guided Weapon. Land Max: 22.2 km.
- GBU-31(V)4/B JDAM [BLU-109A/B] - (USN) Guided Weapon. Land Max: 22.2 km.
- ADM-141C ITALD [Active RF] - (1999) Decoy (Vehicle). Air Max: 296.3 km.
- GBU-53/B SDB-II - (2018) Guided Weapon. Surface Max: 111.1 km. Land Max: 111.1 km.
- AGM-154C-1 JSOW [BROACH] - (2016) Guided Weapon. Surface Max: 83.3 km. Land Max: 83.3 km.
- GBU-56(V)2/B LJDAM [Mk84] - (USN, 2018) Guided Weapon. Surface Max: 22.2 km. Land Max: 22.2 km.
- GBU-56(V)4/B LJDAM [BLU-109A/B] - (USN, 2018) Guided Weapon. Surface Max: 22.2 km. Land Max: 22.2 km.