

F-35A Lightning II - 2024, SDB-II, JSOW

United States

Type: Multirole (Fighter/Attack)

Min Speed: 350 kt

Max Speed: 920 kt

Commissioned: 2024

Length: 15.67 m

Wingspan: 10.7 m

Height: 4.33 m

Crew: 1

Empty Weight: 13300 kg

Max Weight: 31800 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 USN/USAF/USMC) 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.

- AIM-9X Sidewinder - (2005) Guided Weapon. Air Max: 25.9 km.

- GBU-31(V)3/B JDAM [BLU-109/B] - (USAF) Guided Weapon. Land Max: 24.1 km.

- GBU-31(V)1/B JDAM [Mk84] - (USAF, 1999) Guided Weapon. Land Max: 24.1 km.

- GBU-53/B SDB-II - (2018) Guided Weapon. Surface Max: 111.1 km. Land Max: 111.1 km.

- GBU-39/B SDB - (USAF, 2006) Guided Weapon. Land Max: 111.1 km.

- GBU-49/B Paveway II GPS/LGB [Mk82] - Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- B61 Tactical/Strategic Bomb [340kT Nuclear] - (1968) Bomb. Surface Max: 1.9 km. Land Max: 1.9 km.

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

- AGM-154C-1 JSOW [BROACH] - (2016) Guided Weapon. Surface Max: 83.3 km. Land Max: 83.3 km.

- GBU-136 JDAM [BLU-136 2000lb Superfrag] - (USAF) Guided Weapon. Land Max: 24.1 km.

- GBU-134 JDAM [BLU-134 500lb Superfrag] - (USAF) Guided Weapon. Land Max: 24.1 km.