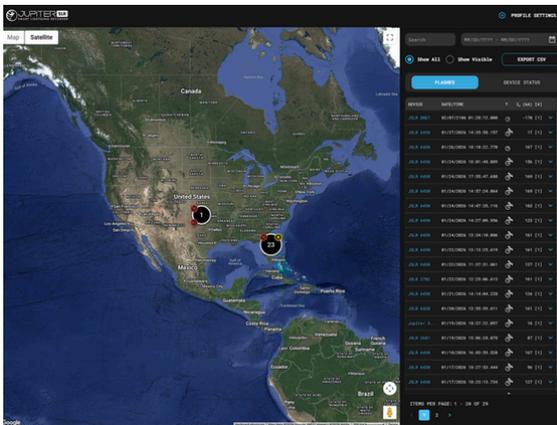# SCIENTIFIC LIGHTNING SOLUTIONS, LLC

Down Conductor Version

Jupiter SLR-DC Datasheet

The JSLR is a lightning monitoring system designed for precise and reliable detection and recording of lightning events.

Smart Lightning Detector and Measurement Device

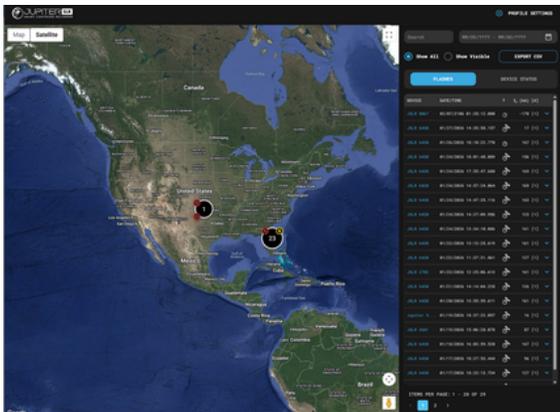

Parameter	Specification /Description
Product Name	JSLR-DC (Down Conductor) version
Lightning Detection Range	>200A to >100KA
Lightning Detection Accuracy	Stroke Current: 10% Timestamp: 1 ms
Operating Temperature	-30 °C to +60 °C
Storage Temperature	-30 °C to +60 °C
Enclosure Material	UV-protect plastic enclosure (ASA material)
Dimensions	145 mm x 210 mm x 90 mm
Weight	1.2 lb
Installation Method	Wall Mount (Hardware included) Bare conductor/PVC pipe (Hardware included). Pole Mount (Mounting kit sold separately).
Power Supply	Built-in 1.2 W Solar Panel
Runtime (without charging)	Up to 30 days on full charge
Wireless Standards	BLE 5.4 802.11b/g/n
Region	North America
Certification	FCC Certified
Status LED	1-color LED (green)
Button	Single multi-function button
Firmware Update Method	OTA (Over-the-Air) updates via Wi-Fi
App Platform	Android, IOS
Security	WPA

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Jupiter SLR-RC Datasheet

Roof Conductor Version

The JSLR is a lightning monitoring system designed for precise and reliable detection and recording of lightning events.

Smart Lightning Detector and Measurement Device

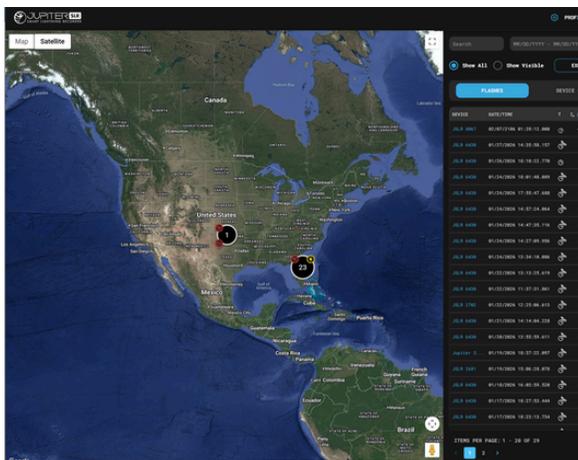

Parameter	Specification /Description
Product Name	JSLR-RC (Roof Conductor) version
Lightning Detection Range	>200A to >100KA
Lightning Detection Accuracy	Stroke Current: 10% Timestamp: 1 ms
Operating Temperature	-30 °C to +60 °C
Storage Temperature	-30 °C to +60 °C
Enclosure Material	UV-protect plastic enclosure (ASA material)
Dimensions	145 mm x 210 mm x 90 mm
Weight	1.2 lb
Installation Method	Wall Mount (Hardware included) Bare conductor/PVC pipe (Hardware included). Pole Mount (Mounting kit sold separately).
Power Supply	Built-in 1.2 W Solar Panel
Runtime (without charging)	Up to 30 days on full charge
Wireless Standards	BLE 5.4 802.11b/g/n
Region	North America
Certification	FCC Certified
Status LED	1-color LED (green)
Button	Single multi-function button
Firmware Update Method	OTA (Over-the-Air) updates via Wi-Fi
App Platform	Android, IOS
Security	WPA

SCIENTIFIC LIGHTNING SOLUTIONS, LLC

Indoor Version

Jupiter SLR-IN Datasheet

The JSLR is a lightning monitoring system designed for precise and reliable detection and recording of lightning events.

Smart Lightning Detector and Measurement Device

Parameter	Specification /Description
Product Name	JSLR-IN (Indoor) version
Lightning Detection Range	>200A to >100KA
Lightning Detection Accuracy	Stroke Current: 10% Timestamp: 1 ms
Operating Temperature	-30 °C to +60 °C
Storage Temperature	-30 °C to +60 °C
Enclosure Material	UV-protect plastic enclosure (ASA material)
Dimensions	145 mm x 210 mm x 90 mm
Weight	1.2 lb
Installation Method	Wall Mount (Hardware included) Bare conductor/PVC pipe (Hardware included). Pole Mount (Mounting kit sold separately).
Power Supply	External 5V DC Power Supply
Runtime (Battery Backup)	Up to 30 days on full charge
Wireless Standards	BLE 5.4 802.11b/g/n
Region	North America
Certification	FCC Certified
Status LED	1-color LED (green)
Button	Single multi-function button
Firmware Update Method	OTA (Over-the-Air) updates via Wi-Fi
App Platform	Android, IOS
Security	WPA