

BLOCK

BLOCK Light & Temp

 Part **BLTLIT**

Retired product: no longer sold. Units in the field keep working in LF Cloud.

The BLOCK Light & Temp is an advanced data logger designed to monitor, record, and analyze light intensity and temperature. It offers instant alarms for high or low light intensity and powerful reporting capabilities, including cumulative light exposure over specified intervals. Furthermore, it calculates UV power in milliwatts (mW) based on the selected light source and generates detailed UV exposure reports, making it an indispensable tool for managing light-sensitive environments.

BLOCK


At a glance


MEASURES

Light intensity, Ambient Temperature, Relative Humidity, Digital Input


CONNECTIVITY

WiFi 2.4 GHz


INTERNAL MEMORY

64,000 records of each measured parameter


RECORDING INTERVAL

1 minute to 30 minutes


CLOUD SYNC INTERVAL

1 hour to once a week


EXTERNAL POWER

USB-C 5 V DC

Ports and connectivity

Port I

Not used

Port II

Dry Contact

Port III

Flood Detector

Connectivity

WiFi 2.4 GHz

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Light intensity Built-in · Record & Alarm	0 lx to 65535 lx	±20%	1 lx
Ambient Temperature Built-in · Record & Alarm	-20 °C to +75 °C (-4 °F to +167 °F)	±0.6 °C (±1.1 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±1.8% RH	1%

— Plug-in sensors

SENSOR	CABLE
Digital Input Detachable · Optional · Alarm	Up to 100 m (330 ft)
Flood Detector Detachable · Optional · Alarm	Up to 100 m (330 ft)

RECORDING, LF CLOUD AND POWER

Internal memory	64,000 records of each measured parameter
Recording interval	1 minute to 30 minutes (down to 3 seconds by order, set by LoggerFlex)
Cloud sync interval	1 hour to once a week (down to 1 minute by order, set by LoggerFlex)
Battery	4 × AA batteries
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	53 × 43 × 133 mm (2 3/32 × 1 11/16 × 5 1/4 in)
Net weight	196 g (6.9 oz)

WIRELESS AND COMPLIANCE

WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
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— Good to know

Retired on 2026-10-10. Kept for installed-base support. There is no replacement yet.

Request a quote →

Sold and supported through LoggerFlex distributors. An engineer replies within one business day.

sales@loggerflex.com 1-888-365-8880 www.loggerflex.com/en/product/block-light--temp



Product page,
manuals and
LF Cloud
setup