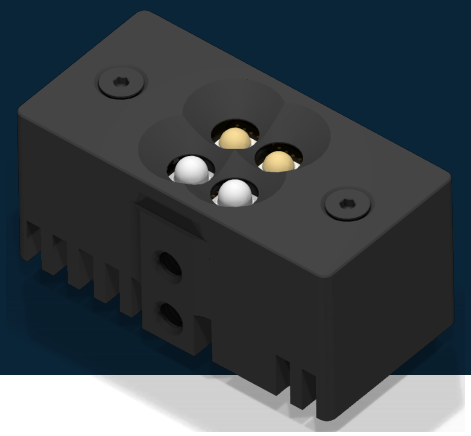
ILLUMINATION · DUAL-MODE IR / OVERT

Aslan **2-in-1 LED Module**

Overt and infrared illumination in a single compact housing, driven from a three-pin servo lead: one payload, two modes.



720 lm	700 mW/sr	6 – 38 V	24 g
OVERT OUTPUT	IR @ 850 NM	INPUT RANGE	MODULE WEIGHT

DESIGN INTENT

Two illumination modes usually mean two payloads, two mounts, and two power runs. This module puts overt and infrared output behind one set of optics in a housing small enough for a small UAS, a ground robot, an inspection rig, or a vehicle bracket, and drives it from the same three-pin lead a servo would use. Engineered and built in the USA.

OPTICAL OUTPUT

- Up to **720 lumens** of overt illumination across a **120°** beam
- Up to **700 mW/sr** of infrared output at **850 nm** across a **150°** beam
- Dual-mode performance from one compact form factor, with no separate IR payload to mount
- Suited to low and no light navigation, inspection, and night vision compatible illumination

POWER & PROTECTION

- Wide **6 – 38 V** input range; **12 – 30 V** recommended for best performance
- Draws a maximum of **500 mA** illuminated and **4 mA** at rest
- **Intelligent thermal protection** manages output rather than failing under sustained use
- Tolerates the bus voltages already present on multirotor and vehicle platforms

CONTROL & OPERATION

- Multiple brightness settings for both overt and infrared modes
- **Strobe and steady** output modes for signalling or continuous illumination
- Brightness and mode selection driven from a standard output channel, with no dedicated controller
- Fastener mounting on the housing for direct attachment to airframes and brackets

INTEGRATION

- **3-pin servo lead** connection: one connector, standard pitch
- Quick integration with **Betaflight**
- Small footprint suits small robots, UAVs, and vehicle installations
- **U.S. designed and manufactured**

SPECIFICATIONS

SKU **101083** · RETAIL **$69.84 / ea.**

OVERT OUTPUT	Up to 720 lm
IR OUTPUT	Up to 700 mW/sr @ 850 nm
OVERT BEAM ANGLE	120°
IR BEAM ANGLE	150°
INPUT VOLTAGE	6 – 38 V (12 – 30 V rec.)
CURRENT (ON)	500 mA max
CURRENT (OFF)	4 mA
MODES	Overt / IR · strobe / steady
CONNECTION	3-pin servo lead
THERMAL	Intelligent protection
SIZE	18.5 × 36 × 17.15 mm
WEIGHT	24 g

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