

A-LED-2500

High power LED light
with Strobe function



Imaging for smart decisions...



Bright light

Up to 150Watts
each head for
ultra-bright light



Compact Built

Compact controller
with miniature heads
fits tight spaces



Strobe

Seamless
synchronization with
most high-speed
cameras brands



Safe

Built in protection
against overheating
and malfunctions

A-LED-2500 Light Power where you need it

- **Bright** – Each head delivers flicker free light output with more than 10'000 lux @1m / 3feet. Ideal for high speed camera recordings.
- **Small** – The individual LED heads have a size of just 58 x 70 x 40mm and connect to the controller with up to 5m / 15ft cable. Put the light where you need it!
- **Universal** – The interfacing with various brands of high-speed cameras is easy by simply connecting the strobe out signal to the controller. Alternatively, a PLC may switch on / off the LED heads when light is required.

The A-LED-2500 is a rugged built LED light for high-speed camera recordings where light is of essence. The wide variety of how the A-LED-2500 can be used ranges from continuous mode via PLC control to synchronization with all major brands of high-speed cameras by providing the strobe signal to the BNC input. In applications where constant light is of desire the controller may be simply connected to a switch closing contact or hooked up to a PLC. The A-LED-2500 is easily mounted in specific locations and up to 4 small light heads with 150 watts each are connected via a 3m / 5m (10 / 15feet) cable. Put the light where you want and where you need it!



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General specifications

Power	Battery operated, no power draw from infrastructure
Battery	LiFePO battery with 70Wh capacity lasts long enough for multiple tests
Charger	110-240VAC / charger unit is part of delivery (external)
Time for full charge	Approximately 2h
Physical Dimension Charger	h:115mm x w:175mm x d:85mm / weight: 2kg
Physical Dimension Head	h:70mm x w:58mm x d:40mm / weight: 0.25kg
# of LED heads	User selectable 1-4 with 150 Watts each, connected via single cable to controller
Color temperature	Approx. 5700°K
Operation	Continuous operation, flicker free or strobe operation via STROBE BNC input
Temperature protection	Overheating protection built in controller / LED head
Short circuit protection	Each LED output is protected against short circuits by e.g. damaged cables
Mounting of controller	Flanges for 4 x M6 screws
Mounting of head	2 x M6 thread / 1x ¼ " UNC on bottom
Working frequency	From constant light output up to 20kHz (50usec flash time)



LED 1-LED 4	Connection for LED head with 150 Watts each, protected against short circuit
STROBE	STROBE input for synchronized operation with high-speed camera. Length of STROBE pulse equals length of flash STROBE input: active low = triggers flash
REM ON	Constant active "on" provides continuous light with max power output
CHARGE	Input for battery charger (part of delivery)
LIGHT ON	Switches on light continuously, no STROBE Function
POWER	Sets A-LED-2500 in Operation

Ordering information

03-480-01	A-LED-2500 controller including 1 LED head, 3m (10feet) cable and charger
03-480-02	A-LED-2500 controller including 2 LED head, 3m (10feet) cable and charger
03-480-03	A-LED-2500 controller including 3 LED head, 3m (10feet) cable and charger
03-480-04	A-LED-2500 controller including 4 LED head, 3m (10feet) cable and charger
03-480-00	A-LED-2500 controller without LED head, with charger
03-417-01	A-LED-2500 additional LED head with 3m (10feet) cable)

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Specifications are subject to change without prior notice – v12.2022