



High Speed Photography

On-Board / Sled Lighting Systems

EYE lighting systems provide unequalled lighting uniformity, optimum light performance and energy efficiency for high speed photography.

- High intensity, instant start, dual-LED fixture delivers over 20,000 lux at 300mm from target.
- Proprietary low power (26W) LED design allows direct operation of multiple units on sled or in-vehicle from standard 12V/24V DC power without need for heavy cables or power systems. Stand-alone operation creates a very affordable solution.
- Compact High-G (tested to 100-G) package designed specifically for in-vehicle and sled applications allows maximum test setup flexibility.
- Extremely efficient LED design can provide continuous lighting for up to 30 minutes under full load. Very low heat output ensures against negative heat effects on crash dummies and test material
- White LED with 5000K CCT (correlated color temperature) simulates natural sunlight delivering optimum light for high speed filming.
- Optional High-G battery pack powers up to 4 units and can be mounted on-board along with LED fixtures.



Exclusive Fixture Design:

Compact, High-G design is ideal for in-vehicle or sled applications

High Speed Photography On-Board / Sled Lighting Systems

Basic Specifications

Lighting Fixture Unit

On-board Light: LED; dual element

LED Power: 13W x 2 = 26W

Output: 1400 lm x 2 = 2800 lm

Color Temperature: 5000K CCT

Operating Time: up to 30 min continuous

Operating Temp: -5°C to 35°C

Power: 12/24V DC (+/-10%); 2.3/1.1A

Shock: Static tested to 100-G
(pendulum impact test; 100 drops at 100-G)

Size: 95mm x 87mm x 44mm

Weight: 1.2kg

Input Lead Wire: VCTF (0.75mm²); 5m length

Battery Pack Unit

Output: 4 separate LED unit outputs

Capacity: 12Ah total output

Status Display: graphic charge indicator
(blinks red on low charge)

Operating Time: up to 30 min continuous

Operating Temp: -5°C to 35°C

Power: 12/24V DC (+/-10%); 2.3/1.1A per output

Shock: Static tested to 100-G

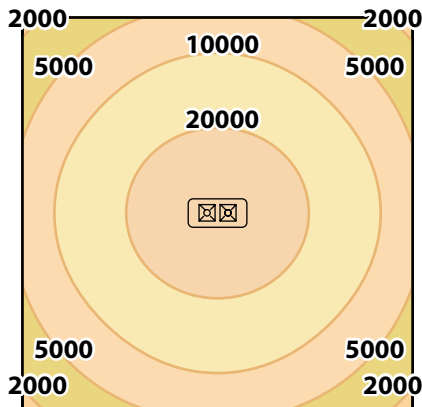
Size: 225mm x 146mm x 44mm

Weight: 8.0kg (including battery)

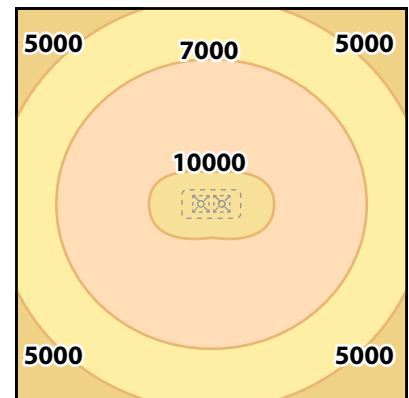
Charger: Separate unit with mating connector

Charger Input Power: 90V – 240V; 50/60Hz

Part #	Description
94171	On-Board Lighting Fixture - Dual LED
94172	On-Board Battery Distribution Unit (includes battery and charger)



Distance to target = 300mm
Target area = 300mm x 300mm



Distance to target = 500mm
Target area = 300mm x 300mm

Regulatory Standards

Systems meet JIS / METI and IEC standards for safety.

EYE Lighting/Iwasaki Electric solar lighting experience provides the expertise to assist you in the development of solar simulation systems specific to your application requirements.



EYE Lighting International of North America, Inc.
a division of Iwasaki Electric of Japan

9150 Hendricks Road
Mentor, Ohio 44060

Tel: (888) 665-2677
Fax: (440) 350-7001



www.eyesolarlux.com