

About the High Powered Flashlight



The motivation was the East Japan Earthquake on March 11, 2011. We started to develop a high quality searchlight under the severe atmosphere of a disaster relief operation.

Mass production started in the latter half of 2014.

Features

- **High Illumination:** Illuminates 1.5km ahead and can read the newspaper. *This is 7 times stronger than car headlights.*
- **Using LED:** Long Service Life (more than 10,000 hours), Light in high Brightness instantly. *This is 3 times life than light source of HID, maintenance free.*
- **Weather Resistant Features:** Water Proof and Dust Proof (Equivalent to IP66), Performance Temperature: -7.6~131F (-22~55°C). *Able to use under severe atmosphere like desert, jungle, at sea etc.*
- **Portability, Easy to Remove:** Main Body, Battery are all in one and less than 4kg. *By putting on shoulder, easy to point to target direction, easy to keep the distance of lighting.*
- **Able to light continually for a long time:** Lighting in around 45°C and no problem to be portable. *By using outside voltage, unlimited light.*
- **All made in Japan:** Able to make flexible support at maintenance measures
- **Basically maintenance free:** Change the battery once every two years.

Testing



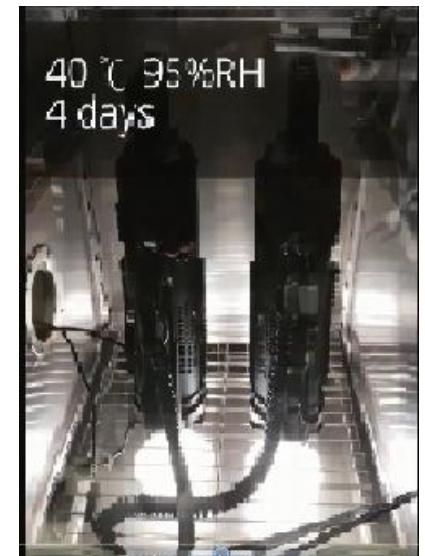
Waterproof Test



Test inside sand blaster



Environmental Testing –Temperature, Hummidity

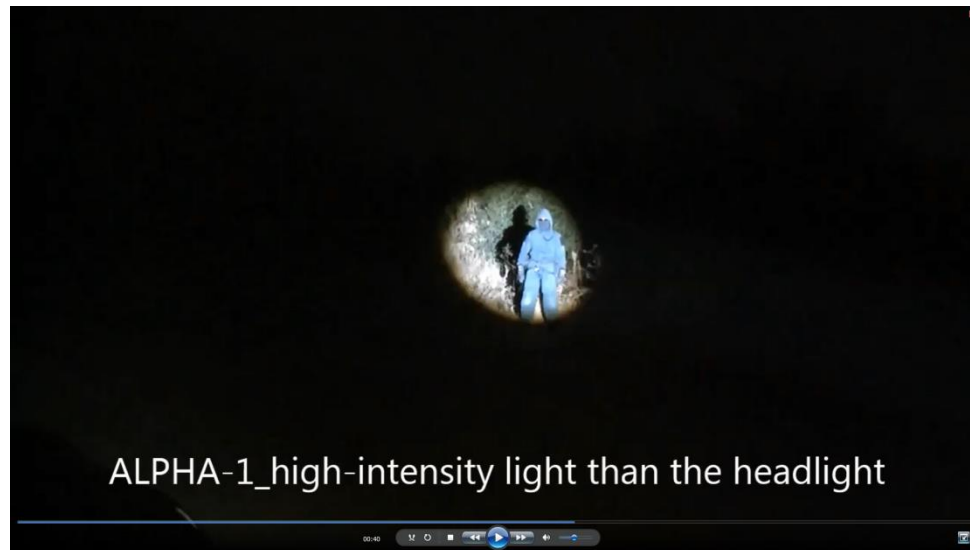




Only headlight of Car



Headlight of Car + ALPHA1(Wide Angle)



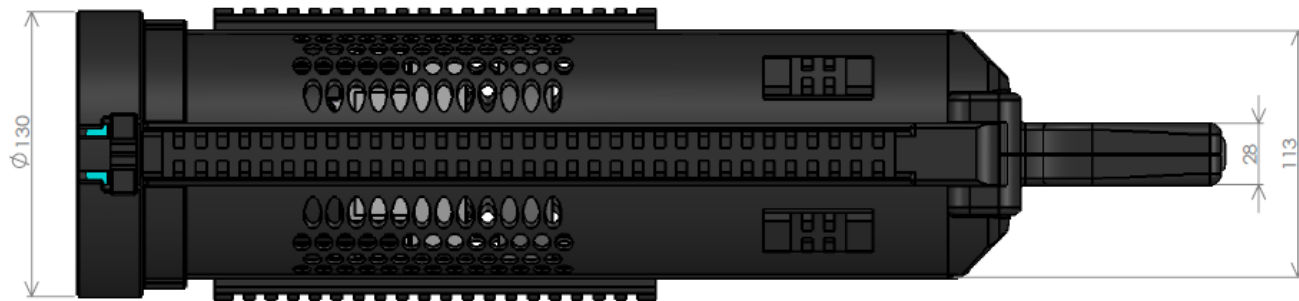
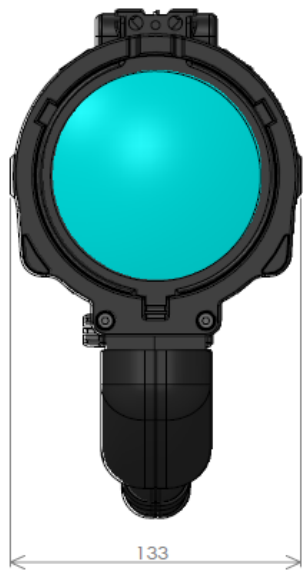
Only ALPHA-1(Spot)

Purpose of Use

- Base, Garrison Town Guard, Overseas Japanese Transportation Business
Surveillance(Continuous Exposure)
Suppress of Rioters etc.(Blinking function)→Demo of Violence, Suppress the action of Terrorist etc. behavior
Introduction of Nuclear Power Equipment for security at National Police Agency.
- Rescue and Surveillance at Disaster Relief Operation
Search lighting at night: Ground, Air, Sea (On the water)
Lighting of Surveillance

Salient Points, etc.

- Light Source: High Output LED Light 80W
- Brightness: 3.1 million Candela(7,000 Kelvin)
- Lighting Mode: Continuous Lighting Mode/ Blinking Lighting Mode
- Illuminating Angle: 2° to 14°
- Weight: 8 Lbs (Body 5.15 Lbs, Battery 2.1 Lbs)
3.9 kg (Body 2.7 kg, Battery 1.2 kg)
- Input Voltage: 100-240V AC50/60Hz
- Battery: Rechargeable Lithium Ferrite(Spec of Fireproof)
Rechargeable Time is 2.5 hours
- Blinking hours: Continuous Lighting 50 minutes Blinking lighting 150 minutes
- Water/Dust Proof Standard: Meet to IP66
- Size: 21inc X 5in X 9in (525 x 136 x 230mm)
- Contents of Standard Set + AC/DC Charger, Sling, Hard case
- Option: Soft carrying case, Tripod System, Unit of External Power Supply





Tripod System and external electric power unit