

Ideal preparation
for emergency
moments



Magnesium battery Multipurpose

For disaster prevention Novelty Item
Leisure Learning materials

LED Light

Aqua Luminous

No dry-batteries required
Glow just by dipping
in water and glows

Can be used in the events of disasters!



Can be used at leisure activities!



Magnesium batteries can
be stored for a longtime.

※No worry of liquid leakage.



Ideal for event- goods / company novelty by making it original design

Measures against darkness encountered suddenly in case of disasters or leisure activities
Feel assured if you put it in a pocket, disaster prevention bag, pillow cover etc. as a preparation for an emergency.

You can make battery safely and easily
Assemble a light that shines with water only.

Two magnesium
batteries included
(one for replacement use).



Science is really
very
exciting!
Fantastic!
Amazing!

LED light flashing with water only

Science experiment tool kit for
household-educational material

Manufacturer's suggested price 1,500 yen (tax included)

Unique educational tool kit that can assemble "battery" as a source of electricity.
All parts are made in Japan with consideration for child safety.
Teaching material can be enjoyed in school classes and among family members.

For elementary
school students: Giving strong emotion that glows lights
(generates electricity) by just dipping it in water.

For junior high
school students: Learning the principle of power generation of
magnesium batteries (metal- air batteries).

(Application in case of Japanese compulsory education)

Elementary
school unit:
3rd grade: Path of electricity
4th grade: Function of electricity
5th grade: Power generated by current
6th grade: Aqueous solution and metal / Heat
generated by current. / Utilization of electricity

Junior high
school unit:
1st grade: Properties and density of metal
2nd grade: Circuit / Nature of current and
voltage / Ohm's law / Power
3rd grade: Ion / Battery / Energy

By reporting the structure according to each
unit, higher learning effect can be obtained.

Video explanation of
"How to make it" is
shown in our WEB site.



A tool kit contains parts for one light
body and two magnesium batteries
(including for replacement use).

Since two batteries can be made,
one can be used for experiments
and the other can be stored as a replacement.

Some of parts are our "patent pending".

Aqua Luminous' advantage 1

Long-term storage possible with aluminum pack

The power generation principle of magnesium batteries is reaction with water. On the other hand, it is vulnerable to moisture.

However, Aqua Luminous is locking moisture out by an aluminum pack (same material as for retort food) and increasing trust in long-term storage.



Packing of this product is
under utility model application.

Aqua Luminous' advantage 2

Ideal for novelty

It can be used for event-
goods / company novelty
etc. by making it original
design.

You can choose blister-
type or boxed-type pack-
age according to your
application.

Disaster lights are kept at
hand for so long time, thus
long-term advertising and
appealing effects can be
expected.

Topics at your business talk become richer.



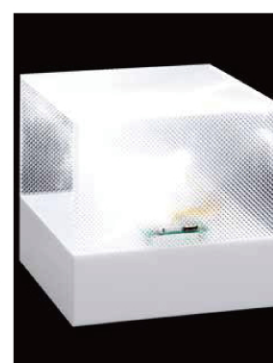
Aqua Luminous' advantage 3

Other advanced goods like LED
lanterns are being developed.

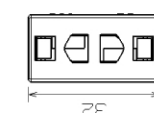
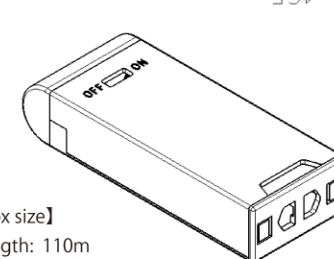
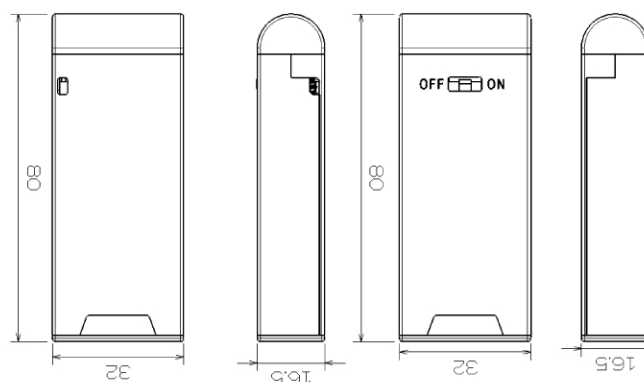
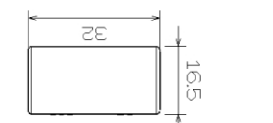
It is a product that illuminates
the whole space brightly with 2
watt (maximum) LED.

Brightness can be given for
first aid activity in the event of
a disaster .will be ensured.

Our concept of development is
" Once stored, it can light one
room wide (about "8 jou"= 15㎡
at anytime you want. and its
prototype model has already
been completed.



【Size of Light】
Length: 80mm Width: 32mm
Depth: 16.5mm



Specification:

Manufacturer: PEGASOS ELECTRA CO., Ltd.
Uses : Emergency, disaster prevention,
educational material, etc.

Suggested retail price: Open price
Country of Origin: Japan, China (Japanese affiliated
company in Qingdao processing zone)

【Specification of body:】

Width	32 mm
Depth	16.5 mm
Height	80 mm
Weight	abt. 30g
Material	ABS・PP
【Specification of LED (per one body unit)】	
Luminous intensity	54 Cantera
Luminous flux	54 lumens (reference value)
Irradiation angle	15 degrees
Mounting items	3pcs
Voltage	up to 4.5 volts
Current	max. 120 mA
Continuous lighting time	72 hours

【Box size】

Length: 110mm
(excluding header)
Width: 60mm
Depth: 25mm
Length of
header: 25mm

【Craft kit Box size】

Length: 210mm
(excluding header)
Width: 148 mm
Depth: 30mm
Length of header: 30mm

Product features

- When immersed in water, the built-in magnesium battery starts generating power, and the LED lights up.
- Since three LEDs of 18 Candela are installed, enough brightness will be produced which can help first aid treatment and newspaper reading etc. in the darkness.
- Possible to turn LED on / off by a switch, so it can put out when unnecessary.
- As long-term storage is possible, it is very convenient and helpful for disasters and power outages.
- In case of emergency and if there is no water, you can use other moisture such as juice, rain water, saliva etc.
- It does not contain substances harmful to the body and the environment (mercury, hexavalent chromium, cadmium, lead), so it can be used and discarded safely.
- No CO2 emission.
- The built-in magnesium battery is replaceable.
- Replacement magnesium batteries are available only in our net sales (through our HP) or our specially appointed retailers.



How to use

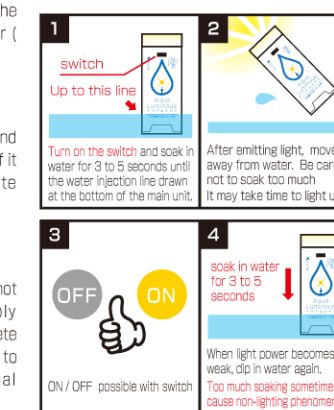
- Turn on switch and then soak "water injection hole at the bottom of the main body" for 3 to 5 seconds in water (suitable water capacity : about 2 cc).

Preservation method

- Please keep this product without opening the package and keep avoiding humidity. It can be stored for a long time. If it is in sealed condition.
- Please keep the delivery state condition during storage, until the time of use.

Usage notes

- Do not look directly at the LED light (light source).
- Do not put this product into the fire since it is inflammably dangerous.
- This product cannot be reused after complete use.
- Please dispose of this product after use according to the waste disposal category specified by the local municipality.
- This product cannot be charged



＜Contact address＞

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