

ZB-12 HANDS-FREE BLACK LIGHT **UV₃₆₅**

INSTRUCTIONS



MAGNAFLUX
A Division of Illinois Tool Works Inc.



USE IT 4 DIFFERENT WAYS



Handheld



On Belt



On Hard Hat
(hard hat not
included)



On Head

ZB-12 SYSTEM (PART NO. 623066) INCLUDES



2 Battery Packs &
Canvas Battery Bag
for Belt Mounting



Lamp Head



Head/
Hard Hat Mount



Wall Adapter
with U.S. Plug



Battery
Charger



Cigarette Lighter
Adapter



Extension
Cord

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TO START THE LAMP

Turn the switch to the on position. Warning: this lamp needs about 20 seconds warm up time when it is switched on. During this time, it will flicker. This is normal. Do not turn the switch rapidly on and off as this may damage the bulb and ballast. The battery has an LED battery charge indicator: GREEN = full charge; AMBER = half charge; RED = dead battery.



HARD HAT INSTALLATION INSTRUCTIONS



1. Use the two 1" X 1" square mating pieces of industrial stick-on Velcro® provided.
2. Stick one piece in the center back side of the hard hat and the other half on the strap where the top and side strap meet, as in Photo 1 above.
3. Press them together as in Photo 2.
4. Place a piece of Velcro® on the front center of the hard hat 1" up from the bill and the other half of the Velcro® on the bottom center of the ZB-12 mounting base, as in Photo 3.
5. Press the light mounting base to the hard hat, as in Photo 4.
6. The completed installation on the hard hat is shown in Photo 5.

TO ATTACH LIGHT TO HEADBAND



Loosen screw and nut on battery pack and mount onto headband using same screw and nut.

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TO CHARGE THE LIGHT USING THE 110 VOLTS SOCKET

1. Disconnect the head light from the battery pack.
2. Connect the battery pack to the battery charger.
3. Plug the one end of the 110 volt adapter into the battery charger and then the other end into the wall socket.
4. Turn the battery switch from off to on. This will cause the battery charger LED to go from green to red (if the battery is discharged). As the battery charges, the battery charger LED will change from red to amber to green.
5. When the battery charger LED turns to green, the battery is fully charged.
6. Disconnect the various cords and plugs and turn the battery pack off.

TO CHARGE THE LIGHT USING THE 12 VOLTS CIGARETTE LIGHTER PLUG:

Follow the same steps above except for step 3. Step 3 for in-vehicle charging: Plug the one end of the cigarette lighter adapter into the battery charger and then the other end into the cigarette lighter plug.

For AC INPUT 100V~240V:



For DC INPUT 12V~27V:



Keep switch on while charging



Battery Charger LED Status

GREEN light on: the charger is plug-in or finished charging

RED light on: Charging

CAUTION

DO NOT open this lighting equipment as it generates high voltage during operation.

DO NOT touch the front glass or area near the glass after the light is turned on as it gets extremely hot.

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BULB REPLACEMENT:

Only replace the bulb when the lamp has not been in operation for at least an hour and the bulb assembly is no longer hot to the touch. Unscrew the two halves of the head light at about the mid-point. Remove the bulb assembly by gripping the outer edge of the reflector and pulling directly ahead in the direction of the bulb. Preferably hold the replacement bulb on the outside of the reflector with a clean rubber glove or with a clean cloth. Be sure to insert the bulb into the socket carefully so as not to damage any pins. Do not touch the bulb or the inside of the reflector with your hands as this may deposit skin oils and damage the performance of the lamp.



Replacement Bulb
P/N 623469

Line up 2 lugs
with slots in
socket to
properly insert
bulb



LENS REPLACEMENT

Unscrew the Lens Replacement Bezel
from the lamp head.
Screw in the new Lamp Replacement Bezel.



Lens Replacement Bezel
P/N 623478

ZB-12 REPLACEMENT PARTS



Battery Charger
P/N 623471



Battery Pack
P/N 623470

ZB-12 TECHNICAL SPECIFICATIONS

- Electrical Requirements—Charger:
110v – 240v
- Typical UV Intensity @ 15" (38 cm):
Exceeds 1000 microwatts/cm²
- Typical White Light emission:
Less than 2 Foot-Candles



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