

# English

## THANKS FOR CHOOSING THIS PRODUCT

Durofix provides you with products at an affordable price, and we would like you to be fully satisfied with this product and our technical support. If any help or advice is needed, please kindly contact us.

## INTENDED USE

This **LED LANTERN LIGHT** is intended for personal use only.

This **LED LANTERN LIGHT** is designed to provide for convenient work.

## GENERAL SAFETY RULES



**READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "**LED LANTERN LIGHT**" in all of the warnings listed below refers to battery-operated (cordless) **LED LANTERN LIGHT**.

## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

### RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning LED LANTERN LIGHTS.

Always use common sense and pay particular attention to all the **DANGER**, **WARNING**, **CAUTION** and **NOTE** statements of this manual.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**DANGER**

**DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING**

**WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION**

**CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**NOTE**

**NOTE** provides additional information that is useful for proper use and maintenance of this LED LANTERN LIGHT. If a NOTE is indicated make sure it is fully understood.

## WARNING LABEL IDENTIFICATION



Read Manuals Before Operating Product.

## WORK AREA

### WARNING

1. **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **Do not operate LED LANTERN LIGHT in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
3. **Keep children and bystanders away while operating a LED LANTERN LIGHT.** Distractions can cause you to lose control.
4. **Do not use outdoors.**

## ELECTRICAL SAFETY

### WARNING

**Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.  
**Do not expose LED LANTERN LIGHT to rain or wet conditions.** Water entering a LED LANTERN LIGHT will increase the risk of electric shock.

## PERSONAL SAFETY

### WARNING

**Stay alert, watch what you are doing and use common sense when operating a LED LANTERN LIGHT. Do not use a LED LANTERN LIGHT while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating LED LANTERN LIGHTS may result in serious personal injury.  
**If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.  
**Do not stare at the operating light source.**

## BATTERY LED LANTERN LIGHT USE AND CARE

### CAUTION

**Do not use LED LANTERN LIGHT if switch does not turn it on or off.** A LED LANTERN LIGHT that cannot be controlled with the switch is dangerous and must be repaired.  
**Disconnect battery pack from LED LANTERN LIGHT or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the LED LANTERN LIGHT.** Such preventive safety measures reduce the risk of starting the LED LANTERN LIGHT accidentally.  
**Store idle LED LANTERN LIGHTs out of reach of children and other untrained persons.** LED LANTERN LIGHTs are dangerous in the hands of untrained users.  
**Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.  
**Use LED LANTERN LIGHTs only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.  
**When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.  
**Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.  
**Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may lead to unpredictable behaviour resulting in fire, explosion or risk of injury.  
**Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature

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above 130 °C may cause explosion. NOTE The temperature „130 °C“ can be replaced by the temperature „265 °F“.

**Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

**Maintain labels and nameplates.**

## SERVICE

**Have your LED LANTERN LIGHT serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the LED LANTERN LIGHT is maintained.

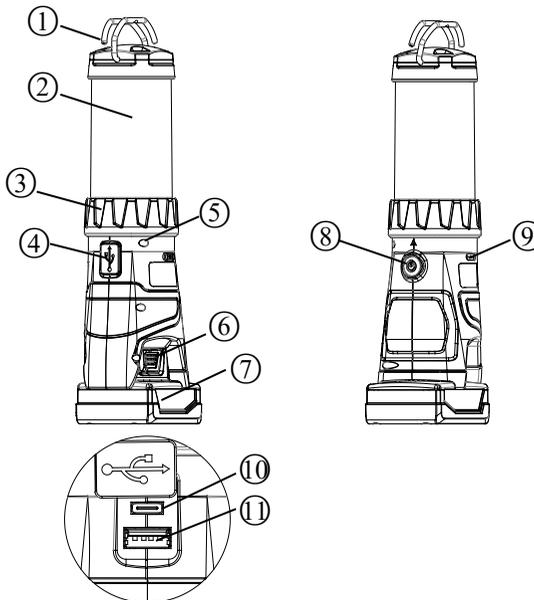
**Never service damage battery packs.** Service of damage battery packs should only be performed by the manufacturer or authorised service providers.

## SYMBOLS

The label on your LED LANTERN LIGHT may include the following symbols. The symbols and their definitions are as follows:

SYMBOL	NAME	EXPLANATION
V	Volts	Voltage (potential)
kg	Kilograms	Weight
==	Direct Current	Type of Current

## FUNCTIONAL DESCRIPTION



**Controls and Components:**

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1. Hook
2. High Efficiency LED
3. Working mode switching knob
4. USB dust cover
5. USB discharge & power display button
6. Release Button
7. Battery Pack
8. ON/OFF Switch & brightness switch button
9. Battery indicator light
10. USB TYPE-C port
11. USB TYPE-A port

## SPECIFICATIONS

<b>Model Number</b>	RL1242
<b>Voltage</b>	12 Vdc
<b>LED Type</b>	5 Watt
<b>LED Brightness(Max.)</b>	400 Lumen
<b>USB TYPE-C (Input)</b>	5 V , 2.1A
<b>USB TYPE-A (Output)</b>	5 V , 2.1A
<b>Ambient temperature</b>	0°C~50°C
<b>LED Discharge Time(B1225LA-2)</b>	Up to 8 hours
<b>Weight(w/o battery)</b>	1.1 lbs / 0.5 kg

## ASSEMBLY

### INSTALLING AND RELEASING BATTERY PACK

#### Release the battery pack

Press the battery release button (6) and pull the battery pack (7) back out of the light body.

#### Install the battery pack

Install the battery pack into the tool along the track designed for the battery pack. Insert the battery pack (7) into the light body until you hear the button click and lock, and you can confirm that the installation is completed.

Note: Please make sure the battery pack is fully charged.



Keep the switch (8) in the off position when installing or removing the battery pack.

## OPERATION

### SWITCH ON / OFF

Press the power switch (8) to adjust the different brightness of the LED lighting, 400 lumens/200 lumens/40 lumens/off, and cycle in turn.

### WORKING MODE SWITCHING KNOB

1. Hold the working mode switch knob (3) with one hand, and hold the LED light body with the other hand.
2. Turn the working mode switching knob (3) clockwise to switch to the 360° range lighting working mode, rotate counterclockwise to switch to the strobe working mode, switch to the center to be in the 180° lighting working mode

## USB CHARGING / DISCHARGING

1. Pull out the USB dust cover (4), insert the cable into the USB TYPE-C port (10) and connect the power supply to charge the battery (7)
2. Pull out the USB dust cover (4), insert the cable into the USB TYPE-A port (11), connect mobile devices such as mobile phones/pads, and press the USB discharge & power display button (5) to charge the mobile device
3. Press the USB discharge & battery display button (5), the battery indicator (9) can display the current battery capacity of the battery pack, and the description of the lights is as follows.

LED SIGNAL		STATUS DESCRIPTION
Charging status	Red light flashing	Charging: battery voltage $<10.5\pm 0.5V$
	Red and yellow lights flashing cyclically	Charging: $10.5\pm 0.5V < \text{battery voltage} < 12\pm 0.5V$
	Red, yellow and green lights flashing cyclically	Charging: $12\pm 0.5V < \text{battery voltage}$
	Red, yellow and green go to ON	Charging is not inserted into the battery pack or fully charged
Abnormal state	Red light flashes six times and goes Off	The low voltage protection of the battery pack or the voltage of the battery pack is abnormal
	Red and yellow light flashes six times and goes Off	The temperature of the battery pack is too high
	Red, yellow and green light flashes six times and goes Off.	The working current of the LED light is abnormal.
In the non-working state, press the button to display the power, and the power indicator will go out after 5 seconds without any action		

## IMPORTANT NOTES FOR LITHIUM BATTERY PACKS

### ⚠ CAUTION

1. After the battery pack is fully charged, it can still be placed on the charger without causing damage to the battery. But the suggestion is to remove the fully charged battery pack from the charger.
2. There is no harm to the battery pack if the battery pack is removed from the charger before the battery pack is fully charged.
3. If there are several consecutive charges, the charger will be warm, but this is normal and does not indicate any design defects. It is recommended to let the charger rest to cool down.

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4. In a low temperature environment, the discharge efficiency of the battery will be reduced. If the working environment temperature is lower than  $-10^{\circ}\text{C}$ , the battery may automatically shut down and the tool cannot be used. This is a normal phenomenon!
5. When the tool is continuously operated with high power or overloaded, the internal temperature of the battery pack will continue to rise. If the tool is used continuously, the battery pack will be disconnected due to overheating. It is necessary to wait for the battery pack to cool down before continuing to use it!

### CAUTION

If the shell of the lithium battery pack is damaged or cracked in any way, stop using it immediately and cannot recharge it. Please send it to a professional maintenance center for replacement immediately. If the housing breaks and the leak gets on your skin, rinse with clean water and seek medical attention immediately if necessary.

## MAINTENANCE

### WARNING

Remove the battery pack from this LED LANTERN LIGHT before cleaning solutions.

## CLEANING

Exterior plastic parts may be cleaned a damp cloth and mild detergent. Although these parts are highly are solvent resistant, NEVER use solvent.

## ACCESSORIES

**Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one LED LANTERN LIGHT may become hazardous when used on another LED LANTERN LIGHT.

Recommended accessories for use with your LED LANTERN LIGHT are available at extra cost from your local service center.

**IMPORTANT:** To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments should be performed by certified service centers or other qualified service organizations, always using identical replacement parts.

## PROTECTING THE ENVIRONMENT

Before disposing of damaged, check with your state Environmental Protection Agency to find out about special restrictions on the disposal of LED LANTERN LIGHT or return them to a certified service center for recycling.



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**DUROFIX™**



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