



# 10W & 20W LED RECHARGEABLE **WORKLIGHTS**

19546, 19562



These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. TITLE PAGE

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## 1.1 INTRODUCTION:

USER MANUAL FOR: 10W & 20W Rechargeable Worklights.

**Stock No's:** 19546, 19562.

**Part No's:** RWL10LEDD, RWL20LEDD.

## 1.2 REVISIONS:

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**Date first published January 2018.**

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As our user manuals are continually updated, users should make sure that they use the very latest version.

**Downloads are available from:** <http://drapertools.com/manuals>

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## 1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

**WARNING!** – Information that draws attention to the risk of injury or death.

**CAUTION!** – Information that draws attention to the risk of damage to the product or surroundings.

## 1.4 COPYRIGHT © NOTICE:

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## 3. GUARANTEE

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### 3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

**Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.**

**Telephone Sales Desk: (023) 8049 4333 or:**

**Product Helpline (023) 8049 4344.**

A proof of purchase must be provided.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is 90 days from the date of purchase. The guarantee is extended to 24 months for parts only. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

**Draper Tools Limited.**



# 4. INTRODUCTION

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## 4.1 SCOPE

These 10W & 20W Rechargeable Worklights are for use where mains power is not easily obtainable. They are recharged via a 230V AC Adaptor/Charger or 12V DC cigarette type charger (both supplied).

## 4.2 SPECIFICATION

Stock no. ....	19546 .....	19562 .....
Part no. ....	RWL10LEDD.....	RWL20LEDD .....
Wattage .....	10W .....	20W .....
Battery:		
Type .....	Lithium-ion .....	Lithium-ion .....
Rated voltage.....	3.7V .....	3.7V .....
Rating.....	2.2Ah .....	2.2Ah .....
Chargers:		
Type .....	Fail-safe safety isolating.....	Fail-safe safety isolating .....
Rated voltage .....	230V~ .....	230V~ .....
Rated frequency .....	50Hz .....	50Hz .....
Rated power input .....	8.4W .....	12.6W .....
Rated output voltage .....	8.4V.....	8.4V .....
Rated output current .....	1.0A.....	1.5A .....
Lumens.....	800 .....	1600 .....
Colour temperature .....	4000K.....	4000K .....
Ingress protection .....	IP65 .....	IP65 .....
Charging time .....	3 hours.....	3 hours .....
Operating time .....	3 hours.....	3 hours .....
Weight (lamp only).....	1.2kg .....	2.0kg .....

## 4.3 HANDLING AND STORAGE

**Warning!** Take care when using this product.

- If any part is worn or damaged, do not use.
- Do not aim beam at bystanders or animals. Do not look directly into light source.
- Do not submerge in liquids.
- Keep away from children.

## 5. HEALTH AND SAFETY INFORMATION

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### 5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

**Warning:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.

#### **Electrical safety**

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) 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.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

#### **Personal safety**

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

#### **Service**

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## 5. HEALTH AND SAFETY INFORMATION

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**Wait for the machine to stop.** Unless the machine is fitted with a safety brake; some parts may continue to move due to momentum. Wait for all parts to stop; then unplug it from the power supply before making any adjustments, carrying out maintenance operations or just finishing using the tool.

**Remove and check setting tools.** Some machinery requires the use of additional tools or keys to set, load or adjust the power tool. Before starting the power tool always check to make certain they have been removed and are safely away from the machine.

**Prevent unintentional starting.** Before plugging any machine in to the power supply, make sure the switch is in the OFF position. If the machine is portable; do not hold the machine near the switch and take care when putting the machine down; that nothing can operate the switch.

**Carefully select an extension lead.** Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors; use an extension lead also suitable for that environment. When using an extended lead, select one capable of handling the current (amps) drawn by the machine in use. Fully extend the lead regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will both cause the cable to heat up and can result in fire.

**Concentrate and stay alert.** Distractions are likely to cause an accident. Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident.

Have this tool repaired by a qualified person. This tool is designed to conform to the relevant international and local standards and as such should be maintained and repaired by someone qualified; using only original parts supplied by the manufacturer: This will ensure the tool remains safe to use.

### 5.2 SPECIFIC SAFETY INSTRUCTIONS FOR TRANSFORMERS/BATTERY CHARGERS

- a. For indoor use only. Do not expose to rain.
- b. If the cord is damaged the transformer shall be scrapped.
- c. If the non-self-resetting protective device is activated due to short circuit or an overload the transformer shall be scrapped.
- d. Before charging, read the instructions.
- e. Do not charge non-rechargeable batteries.
- f. This transformer charger is only suitable for charging rechargeable lithium-ion batteries. Any other application is considered misuse.

### 5.3 SPECIFIC SAFETY INSTRUCTIONS FOR BATTERIES

- a. The battery must be removed from the appliance before it is scrapped.
- b. The appliance must be disconnected from the supply mains when removing the battery.
- c. The battery is to be disposed of safely.
- d. Do not use non-rechargeable batteries.
- e. Do not crush, open or burn the battery. Exposure to potentially harmful materials may occur.
- f. In case of fire use CO<sub>2</sub>/dry chemical extinguisher.
- g. Do not expose to high temperatures  $\geq 50^{\circ}\text{C}$ . Cells may degrade at high temperatures.
- h. The battery must be charged by a constant current, constant voltage transformer.

## 5. HEALTH AND SAFETY INFORMATION

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- i. Charge battery regularly in conditions between 5°C to 45°C with the specified charger designed for this battery.
- j. Store in a dry, well ventilated area within the recommended limits of 30° to 50°C.
- k. During decommissioning remove the battery cell for recycling separately to the product, which is covered by the waste electrical and electronic equipment directive. Insulate the terminals with adhesive insulating tape to prevent a short circuit, fire or explosion occurring.

### 5.4 LITHIUM-ION MATERIAL DATA SHEET

- a. As a substance under normal conditions of use it is not considered a hazard to health. In the event of accidental release, measures to prevent spread must be adhered. Do not contaminate rivers, waterways or drains.
- b. Composition of lithium-manganese, lithium-cobalt and lithium salt as the organic solvent electrolyte (non-aqueous liquid).
- c. Hazardous Decomposition: None during normal operating conditions. If cell is ruptured hydrogen fluoride and carbon monoxide may be released.

### 5.5 FIRST AID RECOMMENDATIONS

- In case of ingestion: If swallowed, obtain medical attention immediately.
- In case of contact with eyes: Thoroughly flush eyes with clean water for 15 minutes and seek medical attention immediately.
- In case of contact with skin: Wash area with soap and water. If irritation persists, seek medical advice.
- Other: Seek medical advice immediately.

### 5.6 CONNECTION TO THE POWER SUPPLY (TRANSFORMER)

**Caution:** Risk of electric shock. Do not open.

This appliance is supplied with a moulded 3 pin mains plug for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA 

BSI 


The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable should be disabled to prevent connection to a live electrical outlet.

This appliance is Class II<sup>†</sup> and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instruction supplied with the extension lead.

<sup>†</sup>Double insulated : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

**Important:** On products exceeding 2000W it is recommended that the power cable and/or extension cable are fully unwound before a connection is made to the power supply. However, ensure the residual cable does not pose a trip hazard

## 5. HEALTH AND SAFETY INFORMATION

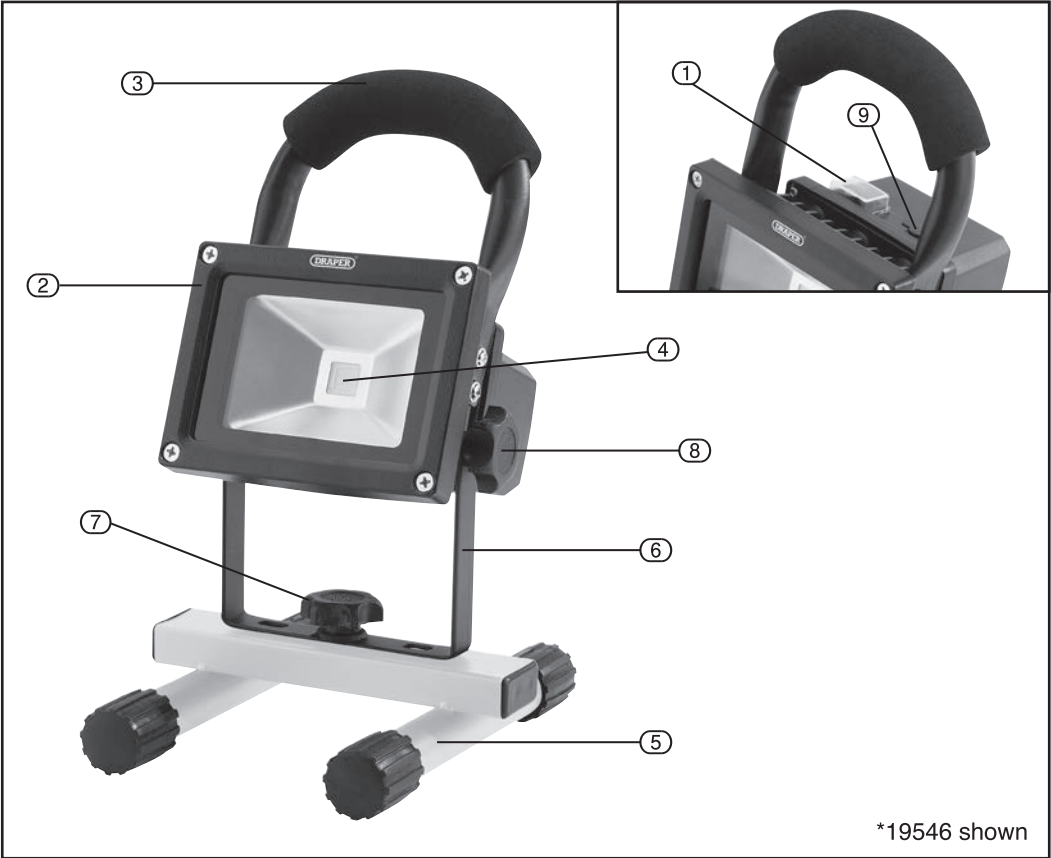
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### 5.7 ADDITIONAL SAFETY INFORMATION

- Do not aim beam at bystanders or animals. Do not look directly into light source.
- Do not operate without all seals, front glass and coverings in place.
- Ensure the rated voltage marked on the worklight is correct and connected to an appropriately rated switch.
- Do not install where the worklight can be hit or knocked over in confined areas.
- Regularly inspect power cables, plugs and all other electrical connects for damage.
- Do not use if the power cable is damaged.
- Ensure the power is turned off before servicing or performing any maintenance.—Ensure the worklight is correctly installed in accordance with installation instructions.
- If using a worklight in windy or gusty weather conditions, it may be advisable to lay one or more sandbags or similar weighted items across the base to provide extra stability.
- Never handle or operate the worklight with wet hands or operate on a wet surface.
- Never operate the worklight within 5 metres of a pond/swimming pool/water feature.
- Don't position the worklight within 1 metre of the nearest surface of illumination.

# 6. TECHNICAL DESCRIPTION

## 6.1 IDENTIFICATION



\*19546 shown

- |                           |                          |
|---------------------------|--------------------------|
| ① On/Off switch.          | ⑥ Lamp head bracket.     |
| ② Lamp head.              | ⑦ Stand fixing bolt.     |
| ③ Foam grip carry handle. | ⑧ Angle tightening bolt. |
| ④ COB LED panel.          | ⑨ Power input socket.    |
| ⑤ Stand.                  |                          |

# 7. UNPACKING AND CHECKING

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## 7.1 PACKAGING

Carefully remove the worklight from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the worklight.

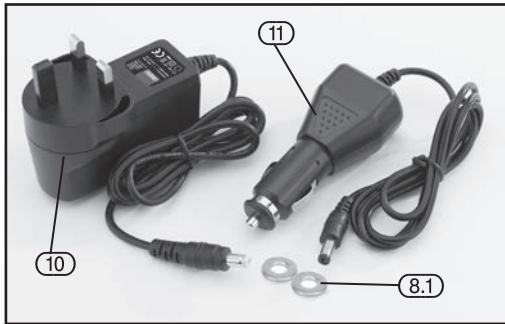
The packaging material should be retained at least during the guarantee period: in case the worklight needs to be returned for repair.

**Warning!** Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

## 7.2 WHAT'S IN THE BOX?

As well as the worklamp, there are several parts not fitted or attached to it.



(8.1) 2 x angle tightening bolt washers.

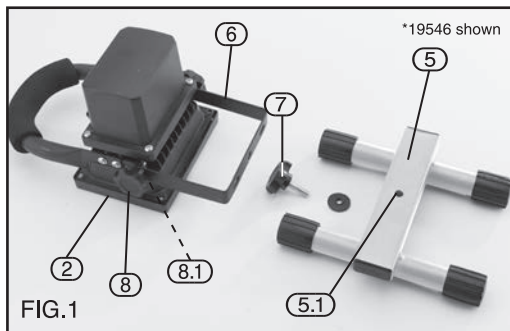
(10) 230V AC mains charging adaptor.

(11) 12V DC Charger.

## 8. ASSEMBLY

### 8.1 ASSEMBLY – FIG.1

- To attach the lamp head (2) to the bracket (6), thread a washer (8.1) on each of the angle fixing bolts (8) then insert the bolts through the holes each side of the bracket, then into the side holes located on the lamp. Tighten by hand only.
- Bring the assembled bracket/lamp head together with the stand (5) and thread the stand fixing bolt (7) through the bracket into the threaded hole in the stand (5.1) and tighten up by hand to complete the assembly.





# 9. OPERATION AND USE

## 9.1 BATTERY CHARGING - FIG. 2

**WARNING!** Ensure the worklamp is turned off before charging.

- Insert the transformer's jack plug from either the 230V AC charger or 12V DC charger into the power input socket (9) (the input socket is fitted with a protective rubber dust cap (9.1). Flip open to gain access to the socket).
- Plug the 230V AC charger into a 230V~13 amp 3 pin socket. If using the 12V DC charger, plug into an appropriate 12V output socket.

The LED charger indicator will illuminate red for approx. 3 hours or until the charging indicator turns green. When the battery is low the indicator will flash red.

Lithium-ion cells prefer small charges often.

Lithium-ion technology is lightweight and compact due to increased capacity in comparison to other battery chemistries.

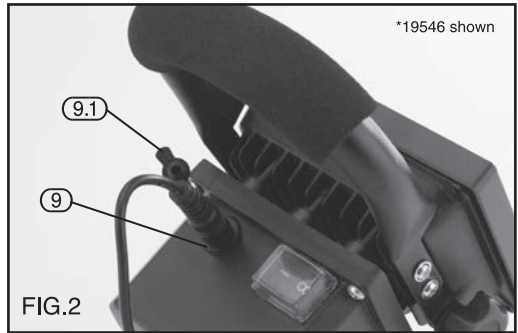
Lithium-ion cells have no 'memory effect' and a long cycle life with outstanding discharge performance.

Lithium-ion cells suffer from a loss in capacity or thermal runaway if over charged and will degrade if allowed to enter deep discharge, however all of these situations are negated due to the complex circuitry incorporated within this product.

Charging must be carried out in an environment with an ambient air temperature between 5°C to 45°C.

**ATTENTION:** If the cable is damaged or the non-self-resetting protective device is activated due to short circuit/overload the transformer shall be scrapped. A replacement of identical specification, design and application shall be obtained.

**NOTE:** Charging the unit with the 12V DC charger via a vehicle socket will drain the vehicle's battery unless the engine is running.



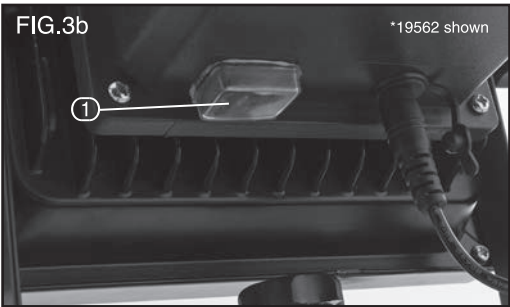
# 9. OPERATION AND USE

## 9.2 OPERATION - FIGS. 3 - 5

To turn on the lamp, select the On position (I) of the on/off switch ①.

To turn the lamp off select position (O).

The angle of the light source can be adjusted by tilting the lamp head to the required position. If needed, gently re-tighten the angle bolts to keep the lamp head in position.



## 10. MAINTENANCE

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### **10.1 MAINTENANCE – FIG. 11**

There are no replacement or maintainable parts to this product.

# 11. EXPLANATION OF SYMBOLS

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## 11.1 EXPLANATION OF SYMBOLS



**WEEE**  
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish.



**Warning!** Read the instruction manual.



**Warning!** Do not aim beam at bystanders or animals. Do not look directly into light source.

**IP65**

Water ingress protection compliancy rating.



Do not position the worklight within 1M of the nearest surface of illumination.

# 12. DISPOSAL

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## 12.1 DISPOSAL

At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.

Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE\* as unsorted municipal waste.

\* Waste Electrical & Electronic Equipment.







## CONTACTS

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E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the  
Draper Tools Helpline for details of an agent in your local area.

## YOUR DRAPER STOCKIST

RWDH0818

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