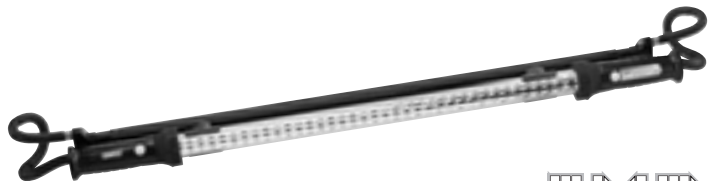


DRAPER[®]

INSTRUCTIONS FOR 36 SMD LED Under Bonnet Rechargeable Inspection Lamp

Stock No.51328 Part No.RUBL36

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



CE

SMD
LED

DRAPER[®]

GENERAL INFORMATION

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.

2. CONTENTS

2.1 CONTENTS

Page content Page

1	TITLE PAGE	
	1.1 INTRODUCTION	2
	1.2 REVISION HISTORY	2
	1.3 UNDERSTANDING THIS MANUAL	2
	1.4 COPYRIGHT NOTICE	2
2	CONTENTS	
	2.1 CONTENTS	3
3	GUARANTEE	
	3.1 GUARANTEE	4
4	INTRODUCTION	
	4.1 SCOPE	4
	4.2 SPECIFICATION	4
	4.3 HANDLING & STORAGE	4
5	HEALTH & SAFETY INFORMATION	
	5.1 GENERAL SAFETY INSTRUCTIONS	4
	5.2 CONNECTION TO THE POWER SUPPLY (CHARGER)	5
6	TECHNICAL DESCRIPTION	
	6.1 IDENTIFICATION	5
7	UNPACKING & CHECKING	
	7.1 PACKAGING	5
8	PREPARING THE INSPECTION LAMP	
	8.1 CHARGING	5
9	SETTING THE INSPECTION LAMP	
	9.1 ATTACHING LAMP TO BONNET	5
10	MAINTENANCE	5
11	EXPLANATION OF SYMBOLS	
	11.1 EXPLANATION OF SYMBOLS	5
12	DISPOSAL	
	12.1 DISPOSAL	5
	DECLARATION OF CONFORMITY	ENCLOSED

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

36 SMD LED UNDER BONNET RECHARGEABLE INSPECTION LAMP

Stock no. 51328

Part no. RUBL36

1.2 REVISIONS:

Date first published April 2014

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

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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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:

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal & educational use only.

Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

3. GUARANTEE

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 with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months 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 agents.

Note: If the tool is found not to be within the Terms of Warranty, repair 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

4.1 SCOPE

36 SMD LED gives illumination for the complete engine bay, easy to adjust telescopic bracket mounts under open bonnet, lamp can be used separately.

4.2 SPECIFICATION

Stock no.	51328
Part no.	RUBL36
Battery:	
Type	Ni-Mh
Rated Voltage	7.4V
Rating	2.0Ah
Mains charger:	
Rated Voltage	230V~
Rated Frequency	50Hz
Rated Power Input	17W
Rated D.C. Output Voltage	12V DC
Rated D.C. Output Current	400mA
Construction	Class II
Charging time.....	4-5 hrs (approx.).
Lamp operating time:	
18 LEDs.....	7 hrs (approx.).
36 LEDs.....	3.5 hrs (approx.).
Luminosity	600 lumens
Bracket width:	
Maximum	1980mm
Minimum	1200mm

4.3 HANDLING & STORAGE

Do not drop the inspection lamp as this can damage and shorten the life span of the unit.

Store in a dry location as damp conditions can damage the inspection lamp.

Charging on a regular bases in advised to prolong the life of the battery cells.

5. HEALTH & SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS

General Power Tools Safety Warnings

WARNING: Read all instructions. Failure to follow all instructions listed below 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.

1) Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical Safety

- 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 electrical shock.
- 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 power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- 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.

3) Personal Safety

- 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.
- 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.
- 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.
- 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.

- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
 - Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
 - If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards.
- #### 4) Power Tool Use And Care
- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
 - Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
 - Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
 - Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - Use the power tool, accessories and tool bits etc., in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.
- #### 5) Battery tool use and care
- 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 power tools 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.
- #### 6) Service
- 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 & SAFETY INFORMATION

5.2 CONNECTION TO THE POWER SUPPLY (CHARGER)

Make sure the power supply information on the machine's rating plate are compatible with the power supply you intend to connect it to.

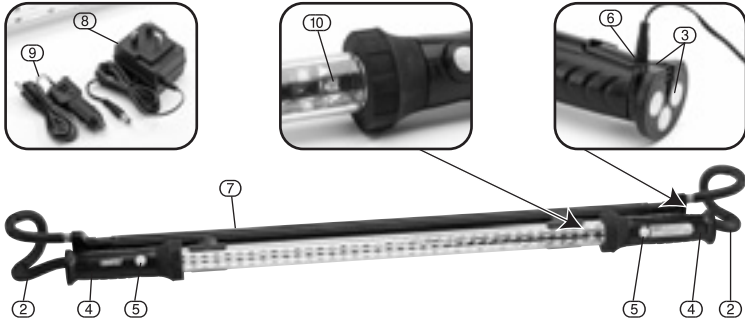
This lamp comes supplied with a UK standard 3 pin transformer. It is designed for connection to a domestic power supply rated at 230V AC.

It is Class 2 (double insulated); 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.

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.

6. TECHNICAL DESCRIPTION



- ① 36/18 SMD LED inspection lamp
- ② Under bonnet hooks
- ③ Magnets and 360° swivel hooks
- ④ 90° jointed body
- ⑤ On/off switch

- ⑥ Charger socket
- ⑦ Under bonnet bracket
- ⑧ 230V charger
- ⑨ 12V charger
- ⑩ Charger indicator

7. UNPACKING & CHECKING

7.1 PACKAGING

Carefully remove the inspection lamp from the packaging and examine it for any sign of damage that may have happened during shipping. 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 lamp.

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.

8. PREPARING THE INSPECTION LAMP

8.1 CHARGING

IMPORTANT: Fully charge before first use. Make sure the lamp is switched off before commencing charging.

Uncoil the charging lead and plug the connector into the charging socket at the top of the lamp.

Plug the charger into the mains supply / in-car 12V supply. LED charge indicator lights red to indicate charging in progress.

Once the lamp is fully charged the red LED will turn green to show fully charged. Charging time is approx. 4-5 hours.

NOTE: Disconnect from the mains/ 12V supply as soon as the charge is complete.

Unplug the charger from the mains / 12V supply. Unplug the charging lead from the lamp.

The light will operate continuously for approx. 3.5 - 7 hours on one charge (depending on function). When the charge is low the red low charge indicator will light.

NOTE: To maintain battery, charge monthly if light is not in use.

9. SETTING THE INSPECTION LAMP

9.1 ATTACHING LAMP TO BONNET

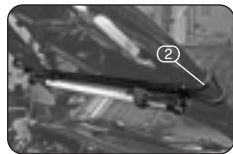
On each end of the mounting bracket, extend hooks ② on either side to fit the width of the bonnet.

Offer the mounting brackets up to the under side of the raised bonnet.

Pull open the spring loaded hooks around the bonnet. They will self close around the bonnet.

Removal is a reversal of the previous procedure.

To use the lamp, switch on and off using the push button switches ④ at the base of either handles. Direct the lens away from eyes before switching on.



10. MAINTENANCE

Keep lamp clean and check for damage before every use. If damage is observed remove from use until is repaired.

NOTE: There are no user serviceable parts on this lamp. For battery replacement etc. please return to your nearest Draper authorised dealer for repair.

IMPORTANT: LED arrays are designed to allow individual LEDs to cease functioning without causing the entire array to fail. This could be as a result of shock or impact. Shock or impact with invalidate warranty.

11. EXPLANATION OF SYMBOLS

11.1 EXPLANATION OF SYMBOLS



Class II construction (Double insulated).



Non-Self-Resetting protective device.



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



Short-circuit-proof safety isolating transformer.



For indoor use only.
Do not expose to rain.



Polarity indication.

12. DISPOSAL

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.

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- **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.

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