

DEWALT

XR LI-ION



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DCL050

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Figure 1

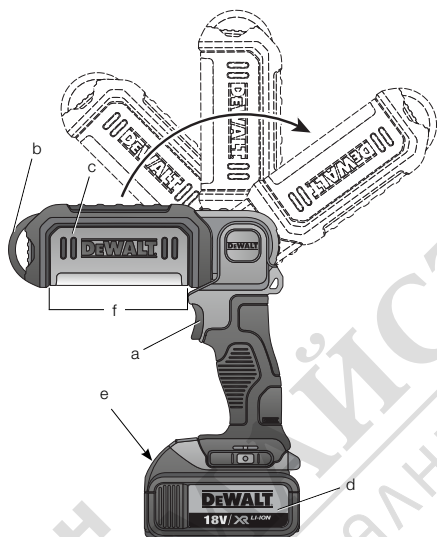


Figure 2

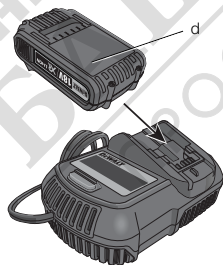


Figure 3

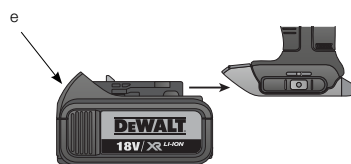


Figure 4

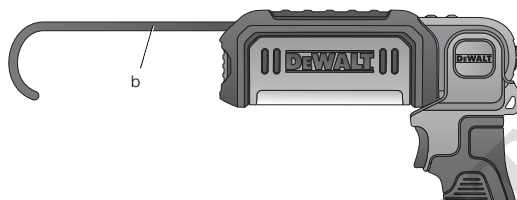


Figure 5



CORDLESS LED WORKLIGHT DCL050

Congratulations!

You have chosen a DEWALT worklight. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

DCL050		
Voltage	V_{DC}	18
Type		1
Battery Type		Li-Ion
Weight (without battery pack)	kg	0.68

Battery pack	DCB180	DCB181
Battery type	Li-Ion	Li-Ion
Voltage	V_{DC}	18
Capacity	A_h	3.0
Weight	kg	0.64

Battery pack	DCB182	DCB183	DCB185
Battery type	Li-Ion	Li-Ion	Li-Ion
Voltage	V_{DC}	18	18
Capacity	A_h	4.0	2.0
Weight	kg	0.61	0.40

Charger	DCB105		
Mains voltage	V_{AC}	230 V	
Battery type		Li-Ion	
Approximate charging time of battery packs	min	25	30
		(1.3 Ah)	(1.5 Ah)
		55	70
		(3.0 Ah)	(4.0 Ah)
Weight	kg	0.49	

Fuses		
Europe	230 V tools	10 Amperes, mains
U.K. & Ireland	230 V tools	3 Amperes, in plugs

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



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



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



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

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.



WARNING: To reduce the risk of injury, read the instruction manual.

Safety Warnings



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



WARNING!

• **DO NOT stare directly into the light source.**

• **DO NOT use optical instruments to look directly into the light source.**

• **DO NOT point the light into other people's eyes.**

BATTERY WORKLIGHT 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 worklights only with specifically designated battery packs. Use of any

other battery packs may create a risk of injury and fire.

- c) **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.
- d) **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.**

SERVICE

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

Additional Specific Safety Rules for Worklights



WARNING: Fire hazard. Do not operate worklight near flammable liquids or in gaseous or explosive atmospheres. Internal sparks may ignite fumes causing personal injury.

- Do not expose light to wet or damp areas. Do not expose light to rain or snow.
- Do not wash light with water or allow water to get inside light. Do not submerge light in water at any time.



WARNING: Do not place the worklight in a position which may cause anyone to intentionally or unintentionally stare into the light. Serious eye injury could result.



CAUTION: When not in use, place worklight on its side on a stable surface where it will not cause a tripping or falling hazard. Some products with large battery packs will stand upright on the battery pack but may be easily knocked over.

Markings on Tool

The following pictograms are shown on the worklight:



Read instruction manual before use.



Hazardous optical radiation.

DATE CODE POSITION

The date code, which also includes the year of manufacture, is printed into the housing surface that forms the mounting joint between tool and battery.

Example:

2014 XX XX

Year of Manufacture

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for the DCB105 battery charger.

- Before using the charger, read all instructions and cautionary markings on charger, battery pack and product using the battery pack.



WARNING: Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.



CAUTION: Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.



CAUTION: Children should be supervised to ensure that they do not play with the appliance.

NOTICE: Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

- **DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.** The charger and battery pack are specifically designed to work together.
- **These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.** Any other uses may result in risk of fire, electric shock or electrocution.

ENGLISH

- **Do not expose charger to rain or snow.**
- **Pull by plug rather than cord when disconnecting charger.** This will reduce risk of damage to electric plug and cord.
- **Make sure that cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock or electrocution.
- **When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **Do not block the ventilation slots on the charger.** The ventilation slots are located on the top and sides of the charger. Place the charger in a position away from any heat source.
- **Do not operate charger with damaged cord or plug** — have them replaced immediately.
- **Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way.** Take it to an authorised service centre.
- **Do not disassemble the charger; take it to an authorised service centre when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- **In case of damaged power supply cord the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.**
- **Disconnect the charger from the outlet before attempting any cleaning.** This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- **NEVER attempt to connect 2 chargers together.**
- **The charger is designed to operate on standard 230 V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.

SAVE THESE INSTRUCTIONS

Chargers

The DCB105 charger accepts 10.8 V, 14.4 V and 18 V Li-Ion (DCB121, DCB123, DCB140, DCB141,

DCB142, DCB180, DCB181, DCB182, DCB183 and DCB185) battery packs.

This charger requires no adjustment and is designed to be as easy as possible to operate.






Charging Procedure (fig. 2)

1. Plug the charger into an appropriate 230 V outlet before inserting the battery pack.
2. Insert the battery pack (d) into the charger, making sure the pack is fully seated in the charger. The red (charging) light will blink continuously indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.

NOTE: To ensure maximum performance and life of Li-Ion batteries, charge the battery pack fully before first use.

Charging Process

Refer to the table below for the state of charge of the battery pack.

State of charge	
 charging	— — — —
 fully charged	— — — —
 hot/cold pack delay	• • • • • • • •
 problem pack or charger	• • • • • • • •
 problem powerline	• • • • • • • •

This charger will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light or by displaying problem pack or charger blink pattern.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Hot/Cold Pack Delay

When the charger detects a battery that is too hot or too cold, it automatically starts a hot/cold pack delay, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the Li-Ion battery on the charger until it is fully charged.

A cold battery pack will charge at about half the rate of a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery warms.

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include the catalog number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow the charging procedures outlined.

READ ALL INSTRUCTIONS

- **Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery pack from the charger may ignite the dust or fumes.
- **Never force the battery pack into charger. Do not modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.**
- **Charge the battery packs only in designated DEWALT chargers.**
- **DO NOT** splash or immerse in water or other liquids.
- **Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40 °C (105 °F) (such as outside sheds or metal buildings in summer).**
- **For best results, make sure the battery pack is fully charged before use.**



WARNING: Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert it into the charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to the service centre for recycling.



CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

SPECIFIC SAFETY INSTRUCTIONS FOR LITHIUM ION (Li-Ion)

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **If battery contents come into contact with the skin, immediately wash the area with mild soap and water.** If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.



WARNING: Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

Transportation

DEWALT batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning The International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a DEWALT battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous material. In general, the two instances that require shipping Class 9 are:

1. Air shipping more than two DEWALT lithium-ion battery packs when the package contains only battery packs (no tools), and
2. Any shipment containing a lithium-ion battery with an energy rating greater than 100 watt hours (Wh). All lithium-ion batteries have the watt hour rating marked on the pack.

ENGLISH

Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/markings and documentation requirements.

Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

Battery Pack

BATTERY TYPE

The DCL050 operates on an 18 volt battery pack.

The DCB180, DCB181, DCB182, DCB183 or DCB185 battery packs may be used. Refer to

Technical Data for more information.

Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs:



Read instruction manual before use.



See **Technical Data** for charging time.



Battery charging.



Battery charged.



Battery defective.



Hot/cold pack delay.



Do not probe with conductive objects.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately.



Charge only between 4 °C and 40 °C.



Only for indoor use.



Discard the battery pack with due care for the environment.



Charge DeWALT battery packs only with designated DeWALT chargers. Charging battery packs other than the designated DeWALT batteries with a DeWALT charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack.

Package Contents

The package contains:

- 1 LED worklight
- 1 Instruction manual
- 1 Exploded drawing

NOTE: Battery packs, chargers and kitboxes are not included with bare units.

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

Description (fig. 1, 5)



WARNING: Never modify the worklight or any part of it. Damage or personal injury could result.

- a. Switch
- b. Hang hook
- c. Pivoting head
- d. Battery pack
- e. Battery release button
- f. Lens cover assembly
- g. Belt hook screw
- h. Belt hook (optional accessory)

INTENDED USE

These worklights are professional tools.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



Your DeWALT charger is double insulated in accordance with EN 60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DeWALT service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the plug.
- Connect the blue lead to the neutral terminal.



WARNING: No connection is to be made to the earth terminal.

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 3 A.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see **Technical Data**). The minimum conductor size is 1 mm²; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

ASSEMBLY AND ADJUSTMENTS



WARNING: Use only DeWALT battery packs and chargers.

Inserting and Removing the Battery Pack from the Tool (fig. 3)



WARNING: To reduce the risk of injury, never depress the battery release button without removing the battery pack. Depressing the battery release button without removing the battery pack can result in the battery pack falling out unexpectedly.

NOTE: For best results, make sure your battery pack is fully charged. The light will shut off without warning when the battery is fully discharged.

TO INSTALL THE BATTERY PACK INTO THE TOOL HANDLE

1. Align the battery pack with the rails inside the tool's handle (fig. 3).
2. Slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

TO REMOVE THE BATTERY PACK FROM THE TOOL

1. Press the battery release button (e) and firmly pull the battery pack out of the tool handle.
2. Insert battery pack into the charger as described in the charger section of this manual.

OPERATION

Instructions for Use



WARNING: Always observe the safety instructions and applicable regulations.

Switch (fig. 1)

The worklight has a high beam and low beam setting. Press the switch (a) once for high beam, twice for low beam, and a third time to turn the worklight off.


Battery Indicator


As the battery nears a fully discharged state, the flashlight will blink twice and then the brightness of the light will drop below the normal level. This cycle will repeat until the battery is fully discharged.


Pivoting Head (fig. 1)

The pivoting head rotates in nine positions ranging from 0°–144°.

Carrying and Suspending the Light (fig. 1, 4)

 **CAUTION:** When light hangs by the belt hook or hang hook, do not shake the light or the object from which it hangs. Do not hang the light from any electrical wires or anything that is not secure. Personal injury or property damage may occur.

 **CAUTION:** Only use the belt hook or the hang hook for hanging the LED worklight. The belt hook and hang hook are not intended to support additional weight. Do not attach or hang anything additional to the light or risk of breakage may occur.


 **CAUTION:** Do not use the belt hook or loop to reach with or to support your weight in any situation.

HANG HOOK (FIG. 1, 4)

The telescopic hang hook (b) extends out of the pivoting head (c). The hang hook locks into place when fully collapsed or when fully extended, as shown in Figure 4. The hook rotates 360 degrees.

MAINTENANCE


Your DEWALT worklight has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.


 **WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/installing attachments or accessories.

The charger and battery pack are not serviceable. There are no serviceable parts inside.




Cleaning


 **WARNING:** Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.

 **WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

CHARGER CLEANING INSTRUCTIONS


 **WARNING:** Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

Optional Accessories

 **WARNING:** Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT, recommended accessories should be used with this product.

Consult your dealer for further information on the appropriate accessories.

BELT HOOK (OPTIONAL ACCESSORY, FIG. 5)

 **WARNING:** To reduce the risk of serious personal injury, ensure the screw holding the belt hook is secure.

IMPORTANT: When attaching or replacing the belt hook (h), use only the screw (g) that is provided. Be sure to securely tighten screw.

The belt hook (h) can be attached to either side of the light using only the screw (g) provided, to accommodate left- or right-handed users. If the hook is not desired at all, it can be removed from the light.

To move the belt hook, remove the screw (g) that holds the belt hook in place, then reassemble on the opposite side. Be sure to securely tighten screw.

Protecting the Environment



Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your DeWALT product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

DeWALT provides a facility for the collection and recycling of DeWALT products once they have reached the end of their working life. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf.

You can check the location of your nearest authorised repair agent by contacting your local DeWALT office at the address indicated in this manual. Alternatively, a list of authorised DeWALT repair agents and full details of our after-sales service and contacts are available on the Internet at: **www.2helpU.com**.



Rechargeable Battery Pack

This long life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

GUARANTEE

DeWALT is confident of the quality of its products and offers an outstanding guarantee for professional users of the product. This guarantee statement is in addition to and in no way prejudices your contractual rights as a professional user or your statutory rights as a private non-professional user. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area.

• 30 DAY NO RISK SATISFACTION GUARANTEE •

If you are not completely satisfied with the performance of your DeWALT tool, simply return it within 30 days, complete with all original components, as purchased; to the point of purchase, for a full refund or exchange. The product must have been subject to fair wear and tear and proof of purchase must be produced.

• ONE YEAR FREE SERVICE CONTRACT •

If you need maintenance or service for your DeWALT tool, in the 12 months following purchase, you are entitled to one service free of charge. It will be undertaken free of charge at an authorised DeWALT repair agent. Proof of purchase must be produced. Includes labour. Excludes accessories and spare parts unless failed under warranty.

• ONE YEAR FULL WARRANTY •

If your DeWALT product becomes defective due to faulty materials or workmanship within 12 months from the date of purchase, DeWALT guarantees to replace all defective parts free of charge or – at our discretion – replace the unit free of charge provided that:

- The product has not been misused;
- The product has been subject to fair wear and tear;
- Repairs have not been attempted by unauthorised persons;
- Proof of purchase is produced;
- The product is returned complete with all original components.

If you wish to make a claim, contact your seller or check the location of your nearest authorised DeWALT repair agent in the DeWALT catalogue or contact your DeWALT office at the address indicated in this manual. A list of authorised DeWALT repair agents and full details of our after-sales service is available on the Internet at: **www.2helpU.com**.