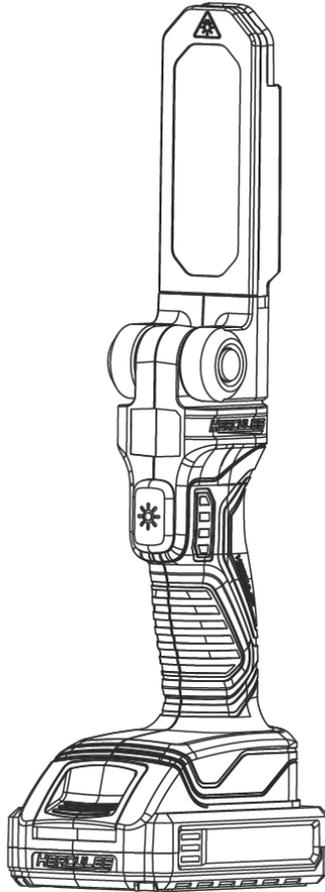


**Model
HC104B**



**Battery and Charger Sold Separately
20V Thin Shop Light**

⚠WARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.

When unpacking, make sure that the product is intact and undamaged.
If any parts are missing or broken, please call 1-888-866-5797
as soon as possible. Reference 57145.

IMPORTANT SAFETY INFORMATION

GENERAL POWER TOOL 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.

The term "power tool" in the warnings refers to your battery-operated (cordless) power tool.

Work Area Safety

- 1. Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- 2. 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.*
- 3. Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.
- 4. Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- 5. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
- 6. 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.*
- 7. Only use safety equipment that has been approved by an appropriate standards agency.** *Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.*

Power Tool Use and Care

- 1. 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.
- 2. 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.
- 3. Disconnect 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.*
- 4. 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.*
- 5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- 6. Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

Electrical Safety

Do not expose power tools to rain or wet conditions.
Water entering a power tool will increase the risk of electric shock.

Personal Safety

- 1. 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.*
- 2. 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.*
- 3. Prevent unintentional starting. Ensure the Switch is in the off-position before connecting to power source, picking up or carrying the tool.** *Carrying power tools with your finger on the Switch or energizing power tools that have the Switch on invites accidents.*

7. **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 those intended could result in a hazardous situation.*

Battery Tool Use and Care

1. **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.*
2. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
3. **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.*
4. **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

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.*

Flashlight Safety Warnings

1. **Do not shine directly into eyes of people or animals.**
2. **Not a toy; keep away from children.**
3. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
4. Avoid unintentional starting. Prepare to begin work before turning on the tool.
5. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
6.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment.

Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.** Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.

7. This product is not a toy. Keep it out of reach of children.
8. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Lithium Battery Safety Warnings



1. Lithium batteries store a large amount of energy and will vent fire or explode if mistreated:
2. Keep Battery Pack dry.
3. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
 - **Open,**
 - **Drop,**
 - **Short-circuit,**
 - **Puncture,**
 - **Incinerate, or**
 - **Expose to temperatures greater than 265°F.**
4. Charge Battery Pack only according to its Charger's instructions.
5. Inspect Battery Pack before every use; do not use or charge if damaged.

 **SAVE THESE INSTRUCTIONS.**

GROUNDING

⚠️ WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Note: Extension cords must not be used with this item's Charger.

Symbology

| | |
|-----------------|--|
| | Double Insulated |
| | Volts |
| | Alternating Current |
| | Amperes |
| n_0 xxxx/min. | No Load Revolutions per Minute (RPM) |
| | WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields. |
| | Read the manual before set-up and/or use. |
| | WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only. |
| | WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet. |
| | WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs. |

Warning Symbols and Definitions

⚠️ 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 Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

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

⚠️ CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Addresses practices not related to personal injury.

SPECIFICATIONS

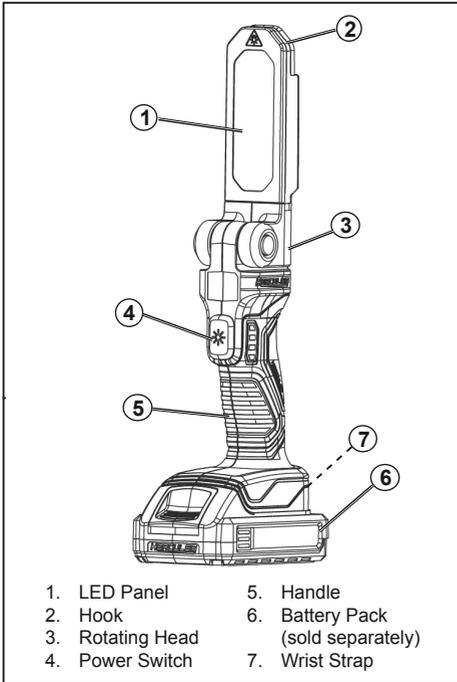
| | |
|---------|---------------------------------------|
| Battery | Hercules 20V Li-ion (sold separately) |
| Charger | Hercules 20V Li-Ion (sold separately) |

SETUP - BEFORE USE:



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Functions



OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Switch is in the off-position and remove its Battery Pack before performing any procedure in this section.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
3. There must not be objects, such as utility lines, nearby that will present a hazard while working.

Charging

Charge battery before using this tool. Follow instructions included with battery charger. Battery pack and charger sold separately.

General Operating Instructions

1. Insert fully charged Battery Pack into the Light, making sure it clicks into place securely.
2. Adjust the Rotating Head's position by adjusting it up or down and twisted side to side to click in place at any of the locking positions.
3. The Hook may be used to hang the Light, if desired. To access, grasp the Hook and pull up. Return the Hook to its holding place when not in use.
4. The Wrist Strap may be used to carry the Light, if desired.
5. Press Power Switch once for full light output. Press again for less light output. Press a third time to turn light off.
6. Turn off Light and remove Battery Pack after use. Clean, then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Make sure that the Switch is in the off-position and remove its Battery Pack before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - leaking, swollen, or cracked battery pack,
 - loose hardware,
 - misalignment or binding of moving parts,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
3. Disconnect battery pack and store battery pack, charger, and tool in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

TROUBLESHOOTING

| Problem | Possible Causes | Likely Solutions |
|-------------------------|--|--|
| Light will not turn on. | <ol style="list-style-type: none">1. Battery Pack not properly connected.2. Battery Pack not properly charged.3. Battery Pack burnt-out.4. Internal damage or wear. | <ol style="list-style-type: none">1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place.2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.4. Have technician service tool. |



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect Battery Pack and Charger power supply before service.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

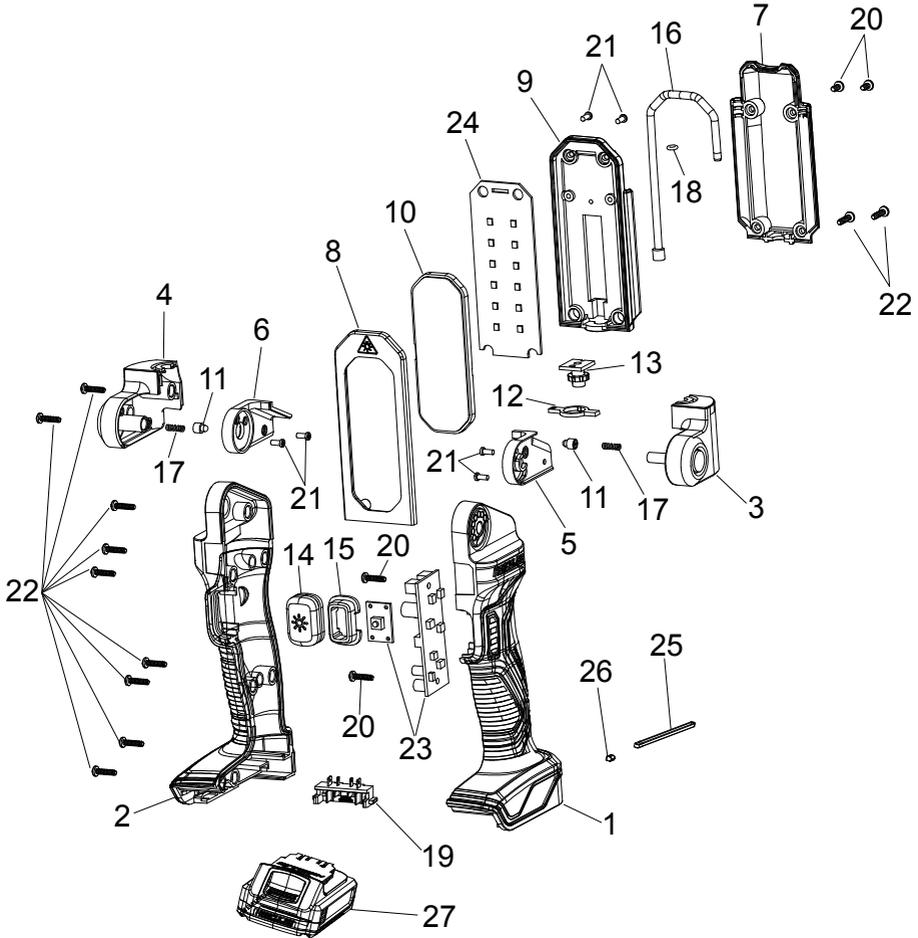
Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PARTS LIST AND DIAGRAM

| Part | Description | Qty |
|------|-------------------------------|-----|
| 1 | Handle, Left Side | 1 |
| 2 | Handle, Right Side | 1 |
| 3 | Rotating Head, Left Side | 1 |
| 4 | Rotating Head, Right Side | 1 |
| 5 | Left Cover for Rotating Head | 1 |
| 6 | Right Cover for Rotating Head | 1 |
| 7 | Housing Back Cover | 1 |
| 8 | Housing Front Cover | 1 |
| 9 | Lens Cover | 1 |
| 10 | Transparent Lens | 1 |
| 11 | Ball Pin | 2 |
| 12 | Ring | 1 |
| 13 | Contact Head | 1 |

| Part | Description | Qty |
|------|--------------------------------|-----|
| 14 | Power Switch Cap | 1 |
| 15 | Switch Support | 1 |
| 16 | Hook | 1 |
| 17 | Spring | 2 |
| 18 | O-Ring | 1 |
| 19 | Contact Plate | 1 |
| 20 | Screw, 2.6 x 6 | 6 |
| 21 | Screw, 2.6 x 6 | 4 |
| 22 | Screw, 3.0 x 12 | 11 |
| 23 | PCBA | 1 |
| 24 | LED Panel | 1 |
| 25 | Wrist Strap | 1 |
| 26 | Clip | 1 |
| 27 | Battery Pack (sold separately) | 1 |



SAFETY

SETUP

OPERATION

MAINTENANCE

LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

HERCULES®

26541 Agoura Road • Calabasas, CA 91302 • 1-888-866-5797