

# Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

21a

# BRAUN™

## 2 FT. LED LINKABLE SHOP LIGHT WITH MOTION SENSOR



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

58465

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.






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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### **⚠WARNING**

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

## 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.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

## IMPORTANT SAFETY INFORMATION

### **WARNING**

#### To reduce the risk of FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS:

1. Install only according to these instructions. Improper installation can create hazards.
2. Avoid electric shock. Keep plugs and receptacles dry. Use only on GFCI-protected circuits.
3. The Light is not waterproof. Use extreme caution in any wet location.
4. This product is not suitable for recessed installation in ceilings or on buildings. Do not install on radiant heat ceilings.
5. Wear ANSI-approved goggles and heavy-duty work gloves during installation.
6. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
7. Do not operate the Light in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. The Light generates sparks which may ignite the dust or fumes.
8. The Light's plug must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with the Light. Unmodified plugs and matching outlets will reduce risk of electric shock.
9. Do not abuse the Power Cord. Never use the Cord for unplugging the Light. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
10. Maintain the Light. Check for breakage of parts and any other condition that may affect the Light's operation. If damaged, have it repaired before use. Many accidents are caused by poorly maintained items.
11. Do not pull on the On/Off Pull Chain too hard or at an angle to prevent the Light from falling.
12. Maintain labels and nameplates on the Light. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
13. This product is not a toy. Keep it out of reach of children.
14. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
15. 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.



**SAVE THESE INSTRUCTIONS.**

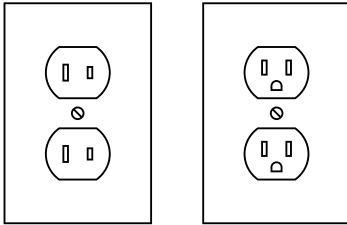
## Grounding



### TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

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 Light. Never remove the grounding prong from the plug. Do not use the Light 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.

## 110-120 VAC Double Insulated Lights: Lights with Two Prong Plugs



Outlets for 2-Prong Plug

1. To reduce the risk of electric shock, double insulated equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. (See Outlets for 2-Prong Plug.)



## Extension Cords




1. **Double Insulated** Lights can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. (See Table A.)
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord.
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required.
5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size.
6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

TABLE A: RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120 VOLT)					
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	16	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

\* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

# Symbology

	Double Insulated
<b>VAC</b>	Volts Alternating Current
<b>A</b>	Amperes
	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 ventilation ducts. Keep flammable objects away.
	WARNING marking concerning Risk of Electric Shock. Properly connect power cord to appropriate outlet.

## Specifications

Electrical Rating	120VAC / 60Hz / 0.63A / 70W
Outlet Rating	120VAC / 60Hz / Max 3A
Bulb	Non-replaceable LED Not suitable for dimmer
Power Cord Length	5 ft
Maximum Shop Lights linked together	4

## Installation Instructions

### V-Hook and Chain Installation

**Note:** For motion sensor to work properly, the light fixture must be 9 feet to 11.5 feet from floor.

- Select installation location for Shop Light.  
**Installation surface must be capable of supporting the Light and be at least 3/8" thick. Verify installation surface has no hidden utility lines before drilling or driving screws.**
- Install appropriate hardware to mounting surface.

**CAUTION!** Do not use included hardware on steel stud/joist wall. If mounting to a steel wall stud/joist, use appropriate hardware.

#### a. Drop Ceiling

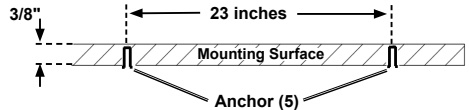
Have Lights installed by a professional using appropriate hardware.

#### b. Wood Joist

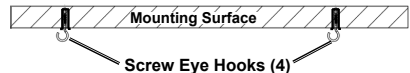
- Verify wood joists are at least 2" x 4" in size. Use a stud finder (sold separately) to find joist and mark its location.
- Mark and drill two pilot holes 23 inches apart.
- Screw the two Screw Eye Hooks (4) into the pilot holes and directly into the joist.

#### c. Drywall

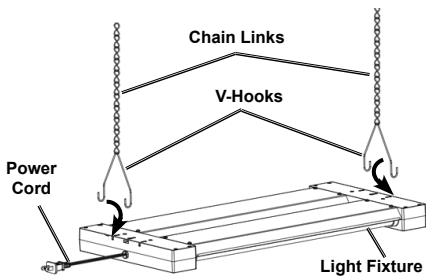
- Mark and drill two holes, 23 inches apart, for the two Anchors (5), or use expansion bolts (sold separately).
- Install the two Anchors/expansion bolts to mounting surface.



- Attach the two Screw Eye Hooks (4) to the Anchors

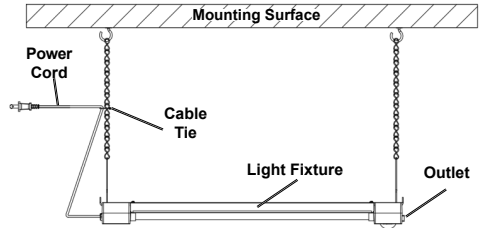


3. Feed the end of one Chain Link (2) through each V-Hook (3).
4. Connect the V-Hooks to the outside holes of the Light Fixture.
5. Attach one Chain Link to each of the two Screw Eye Hooks on the mounting surface.



**Caution:** Connect one Chain Link to one Screw Eye Hook. Do NOT group more than one Chain Link to a single Screw Eye Hook.

6. Be sure the Light Fixture is level and secure. Use the Cable Tie (7) to secure the Power Cord.



7. Plug the Power Cord into the electrical outlet. If connecting multiple Lights together, connect the Power Cord into the Outlet of the previous Light.

## Flush Mount Installation

**Note:** For motion sensor to work properly, the light fixture must be 9 feet to 11.5 feet from floor.

1. Select installation location for Shop Light. **Installation surface must be capable of supporting the Light and be at least 3/8" thick. Verify installation surface has no hidden utility lines before drilling or driving screws.**
2. Install appropriate hardware to mounting surface.

**CAUTION!** Do not use included hardware on steel stud/joist wall. If mounting to a steel wall stud/joist, use appropriate hardware.

### a. Drop Ceiling

Have Lights installed by a professional using appropriate hardware.

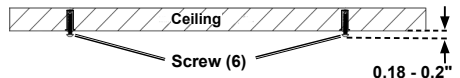
### b. Wood Joist

- Verify wood joists are at least 2" x 4" in size. Use a stud finder (sold separately) to find joist and mark its location.
- Mark and drill two pilot holes 22 inches apart.
- Screw the two Screws (6) into the pilot holes and directly into the joist.

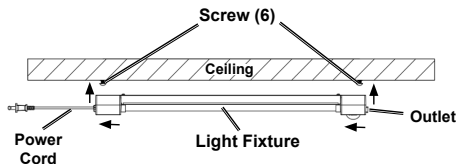
### c. Drywall

- Mark and drill two holes, 22 inches apart, for the two Anchors (5), or use expansion bolts (sold separately),
- Install the two Anchors/expansion bolts to mounting surface.

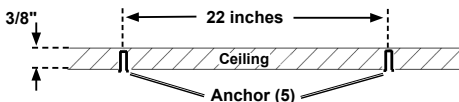
- Secure one Screw (6) into each Anchor. Do not screw all the way in. Spacing between the ceiling and Screw Heads should be 0.18 - 0.2 inches.



3. Slide the Light Fixture into the Screw Heads so that Screw Heads fit firmly inside the Light Fixture holding it in place.

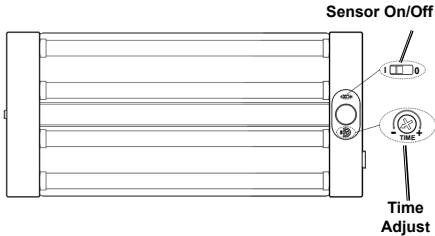


4. Be sure the Light Fixture is level and secure. Use the Cable Tie to secure the Power Cord.
5. Plug the Power Cord into the electrical outlet. If connecting multiple Lights together, connect the Power Cord into the outlet of the previous Light.

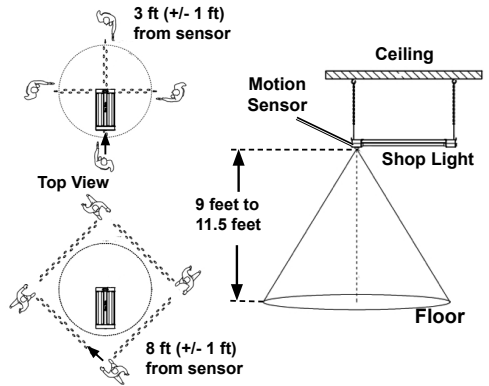


## Operation

1. Plug the Shop Light into a grounded, 120VAC electrical outlet.
2. The Shop Light is equipped with a motion sensor. Set to "0" to turn it OFF and set to "1" to turn it ON.
3. Set the time to turn the light off. Adjust the time delay (TIME) as desired. The range is 1 to 10 minutes. Turning the TIME counter clockwise (to -) will decrease time and turning clockwise (to +) will increase time.



4. The motion sensor should turn the light on when motion is sensed from 3 feet to 8 feet around the Shop Light. The sensor should be 9 feet to 11.5 feet from floor.



## Maintenance



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

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

Unplug the Light from its electrical outlet before performing any procedure in this section.

**TO PREVENT SERIOUS INJURY FROM LIGHT FAILURE:**

Do not use damaged equipment. If damage is noted, have the problem corrected before further use.

1. **BEFORE EACH USE**, inspect the general condition of the Shop Light. Check for:
  - loose hardware
  - misalignment or binding of moving parts
  - damaged cord/electrical wiring
  - cracked or broken parts
  - any other condition that may affect its safe operation.
2. **PERIODICALLY**, clean the Shop Light cover and Sensor with nonabrasive glass cleaner and a clean cloth.

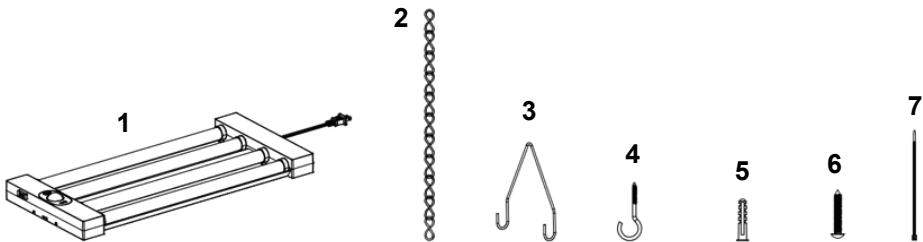
**WARNING!** TO PREVENT SERIOUS INJURY: If the supply cord of this light is damaged, it must be replaced only by a qualified service technician.

# 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.

## Parts List and Assembly Diagram

Part	Description	Qty
1	Light Fixture	1
2	Chain Link	2
3	V-Hook	2
4	Screw Eye Hook	2
5	Anchor	4
6	Screw	2
7	Cable Tie	1



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. Do not open the housing, there are no user-serviceable parts inside. Specify UPC 193175439727 when ordering parts.

## 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.

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