

JYY80-5-YC LED Work Light

Magnetic Base Flexible Gooseneck Machine Light

User Manual

Model JYY80-5-YC

5 W COB LED - AC 220 V - 300 / 400 / 500 mm

Kemotronics Industrial Lighting

sales01@birtechnology.com - www.cnclight.com

This manual covers the JYY80-5-YC LED work light in the three gooseneck lengths 300 mm, 400 mm and 500 mm.

Read section 8 before installation. Keep this manual with the machine for future reference.

1. PRODUCT OVERVIEW

The JYY80-5-YC is a compact LED machine work light with a die-cast aluminium head, a flexible metal gooseneck and a strong round magnetic base. It is designed for local task lighting on machine tools: tool setting, dial reading, inspection and fine work that the shop ceiling light cannot reach.

The round magnetic base grips the steel body of a machine tool directly, so no drilling and no mounting bracket are needed. The lamp can be attached on a horizontal surface or on a vertical side wall; the thicker the steel, the stronger the hold. The gooseneck holds its position after bending, so the light stays where it is aimed.

Typical users: CNC machine operators, lathe and milling operators, tool room and maintenance technicians.

2. TECHNICAL SPECIFICATIONS

Model	JYY80-5-YC
Product type	LED machine work light, magnetic base
Light source	5 W COB LED
Voltage	AC 220 V, plug-in type
Connection	Factory-fitted mains cable with plug
Switch	Push-button switch on the lamp head
Lamp head	Die-cast aluminium, dia. 58 mm x 64 mm
Gooseneck	Flexible metal gooseneck, 360 degrees, 300 / 400 / 500 mm
Base	Round magnetic base, 40 mm x 27 mm, N35 magnet
Light quality	High colour rendering, true colour of the workpiece
Cooling	Aluminium head, heat dissipated through the body
Net weight	Approx. 0.5 kg, depends on gooseneck length
Note	Dimensions are measured manually, tolerance 1-3 mm

3. PACKAGE CONTENTS

- 1 x JYY80-5-YC LED work light, with magnetic base, cable and plug attached
- 1 x User manual

The magnetic base needs no screws. No separate mounting plate, bracket or screw pack is supplied with this model.

4. INSTALLATION INSTRUCTIONS

Step 1 - Check the voltage: confirm the nameplate rating is AC 220 V and that the socket is earthed. Never connect this lamp to a 24 V DC supply.

Step 2 - Choose the position: find a flat steel surface with a clear view of the work area. Machine castings and thick plates hold better than thin sheet.

Step 3 - Fix the base: place the round magnetic base on the steel surface. It can stand on a horizontal surface or stick to a vertical side wall. Clean off oil and iron chips first, then press down firmly.

Step 4 - Aim the light: bend the gooseneck with both hands, one joint at a time. The gooseneck holds its shape; do not force it past its natural bend radius.

Step 5 - Test: plug into the socket and press the push-button switch. Check that the beam falls on the workpiece and not into the operator's eyes.

5. WIRING

NOT APPLICABLE - plug-in type. Cable and plug are factory-fitted and sealed to the lamp head. No terminal wiring is required.

Connect the plug only to a correctly earthed AC 220 V socket. Do not cut the plug off, do not extend the cable with an unsuitable connector, and do not use the lamp on a DC supply.

6. COLOUR STATUS

NOT APPLICABLE.

This product is a work light, not a signal light. It has no red, yellow or green status layers.

7. MAINTENANCE AND CARE

- Switch off and unplug before cleaning.
- Wipe the head and gooseneck with a soft dry cloth. For oil mist, use a cloth slightly dampened with mild detergent, then dry.
- Do not use solvents, thinners or abrasive pads on the aluminium head.
- Clean iron chips off the magnetic base regularly - a layer of chips weakens the hold.
- Check the cable and plug for cuts or cracks before every shift. Replace a damaged cable, do not tape it.
- Store in a dry place when the machine is idle for a long period.

8. SAFETY WARNINGS

ALWAYS switch off and unplug the lamp before installation, cleaning or any maintenance work.

- Use only on AC 220 V. Connecting to DC 24 V or to a higher voltage will destroy the driver.
- The plug must go into an earthed socket. Never remove or bypass the earth contact.
- Do not look directly into the LED at close range.
- Do not cover the lamp head; the aluminium body is the heat sink.
- Do not dismantle the head. There are no user-serviceable parts inside.
- Keep the cable away from cutting tools, moving slides and hot chips.
- The lamp head becomes warm in use - let it cool before touching.
- The magnetic base is strong. Keep it away from watches, cards, electronic instruments and pacemakers.
- This lamp is for local task lighting on machines. It is not a replacement for general workshop lighting and is not intended for use in explosive atmospheres.

9. TROUBLESHOOTING

Problem	Possible cause	Solution
Lamp does not light	Socket not live or plug loose	Test the socket with another appliance, push the plug in fully
Lamp does not light	Push-button not pressed fully	Press the switch until it clicks
Lamp does not light	Cable or plug damaged	Replace the cable assembly, do not repair with tape
Light flickers	Loose plug or damaged cable	Check the plug contact and the cable run
Base slides off	Oil film or chips on the magnet	Clean the base and the steel surface, press down firmly
Weak hold	Thin steel sheet	Move to a thicker casting or plate
Gooseneck sags	Bent beyond its natural radius	Straighten gradually, support the lamp head while bending
Head gets hot	Normal heat dissipation	No action needed unless smoke or smell appears

10. WARRANTY POLICY

Warranty period: 1 year from the date of delivery. The warranty covers manufacturing defects in the LED module, the driver, the switch and the gooseneck.

Not covered: damage from wrong voltage or a DC supply, water or coolant ingress, dismantled heads, impact damage, cut or crushed cables, normal wear of the finish.

11. AFTER-SALES SERVICE

Contact	Jude
Tel / WhatsApp	+86-15915305795
Email	sales01@birtechnology.com
Website	www.cnclight.com

Please quote model JYY80-5-YC, the gooseneck length and your order number when contacting us.