

Light Source from Jovy™



Introduction:

Process monitoring and visual inspection in real time are essential for rework and repair process success, and this requires a reliable light source.

Jovy™ LED-Light source from Jovy systems is designed to be fitted to the XY table or to the working bench with our special C-Clamp.

Jovy™ LED-Light source provides powerful illumination flux, and its arm length allows free workspace for user, which suits any additional inspection instruments (magnifying Lens or video microscope) or rework tools such as tweezers or components picker.

Product descriptions:

– Materials:

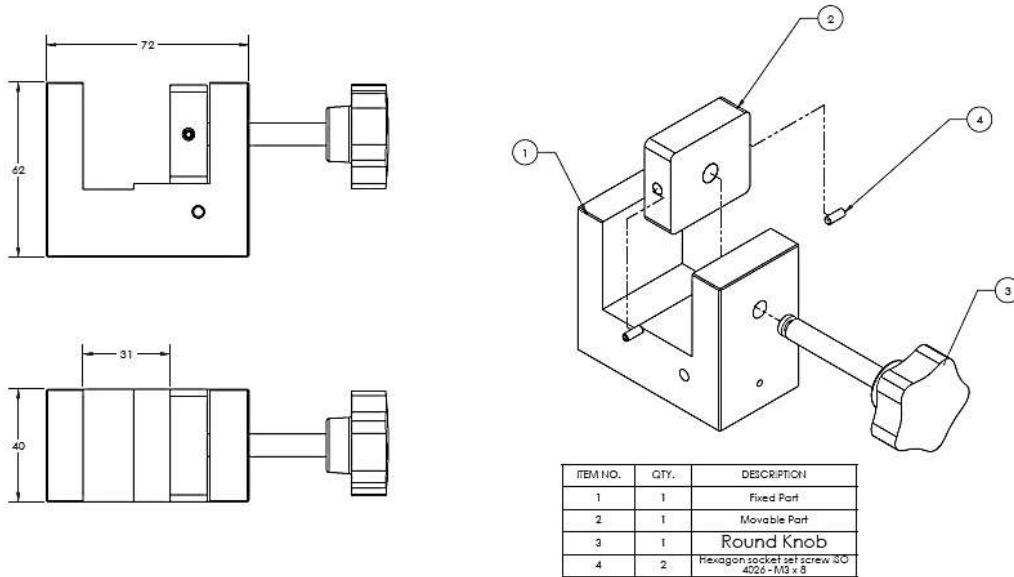
1. **C-Clamp:** Black painted Aluminum.
2. **Flexible Arm:**
 - Outer enclosure: Chrome plated brass rings.
 - Internal part: steel spring.
3. **Led module body:** Black painted Aluminum.

– Technical Specification:

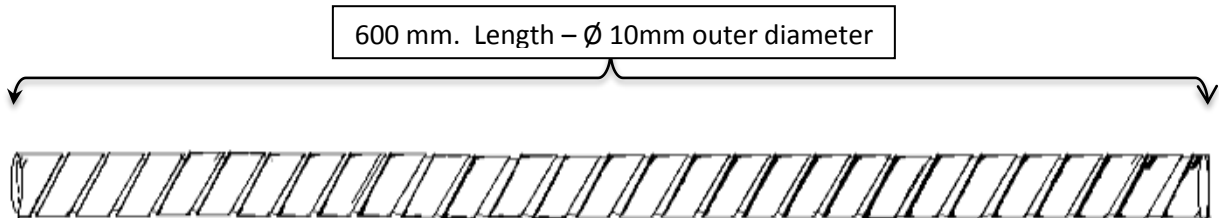
Emitted Light Color:	Natural white
Power Consumption:	3W
Luminous flux:	155±10 Lm
Input voltage:	AC 100-240V, 50/60Hz
Color temperature:	6000k±300k
Working temperature:	-10°C-55°C
Body temperature:	≤50°C
Life span:	50000 hours

– **Dimensions:**

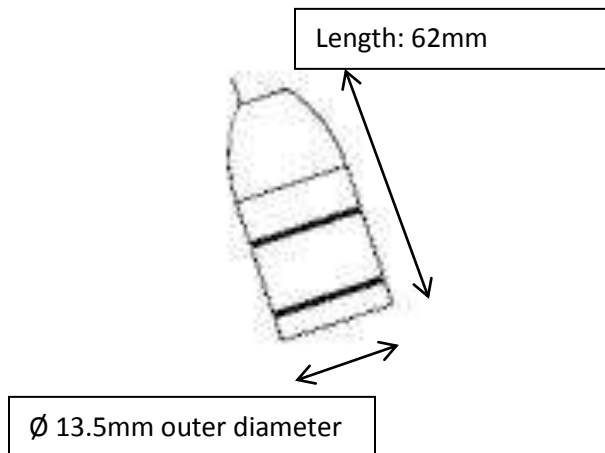
1. C-Clamp



2. Flexible arm

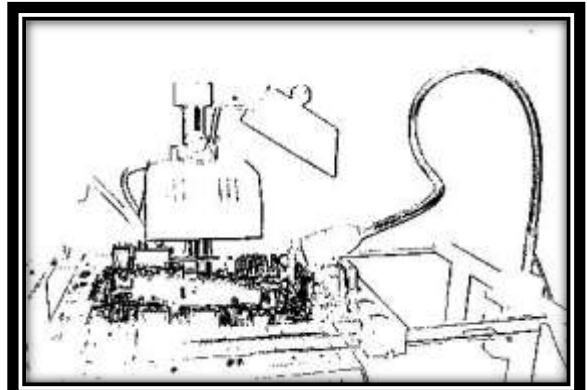


3. Light Module

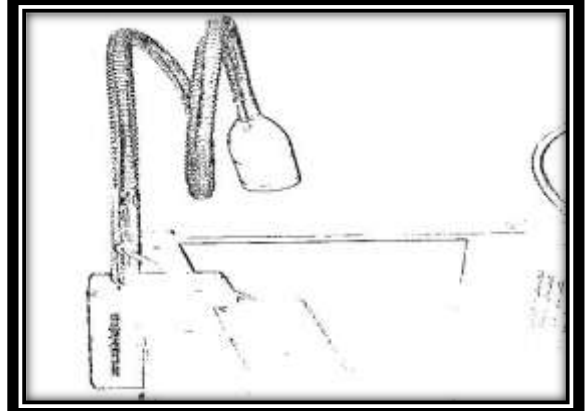


Installation on RE-7500:

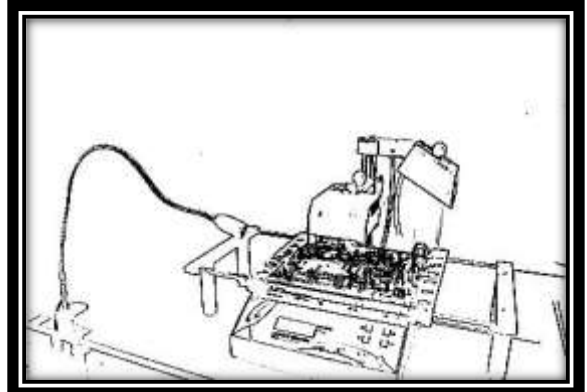
1- The *LED-Light* is basically an add-on for the XY table; it can be installed on the XY table right side bar. The projected spot is 10cm² white shiny lights at 10cm distance from targeted area.



2- Installing the light source on the left side bar of the XY table must not be an obstacle for the upper heater movement range. Thus, the flexi arm could be bent freely in many shapes.



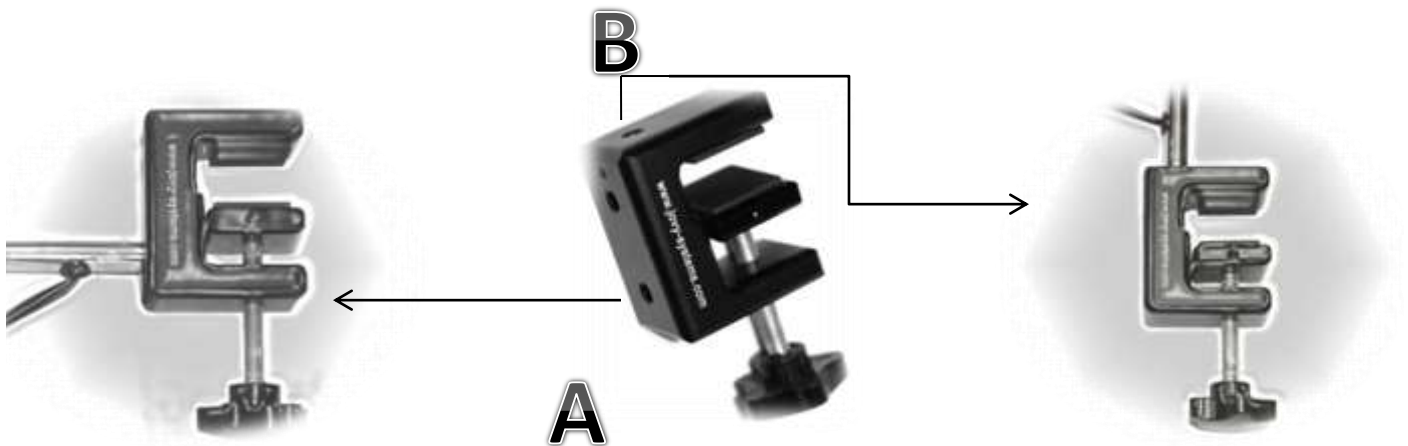
3- For large work space area; the *LED-Light* could be installed to the work-bench at any position or side, from the front side or back side of the table as its length allows free installations to any rework station.



Applications:

The *LED-Light* is recommended to be used separately as a light source, with different fixation methods. It could be used with a magnifying lens or microscope.

The Flexible arm can be fitted to our C-Clamp either into position (A) for horizontal direction or into position (B) for vertical direction.



Possible combinations:

Process Type	Inspection with Microscope	Inspection with magnification lens	Illuminating a work-space
Number of attached flexible arms	2	1	1
Flexible arm fixation	One vertical and one horizontal	One vertical or horizontal	One vertical only