



**Description**

The TL90 and TL91 are high performance magnifying lights that utilise 48 premium LEDs to illuminate a 6" wide-angle, distortion-free lens. Innovative balanced-arm technology allows for easy adjustment and precise positioning while six independent swivel joints turn up to 90 degrees in every direction.

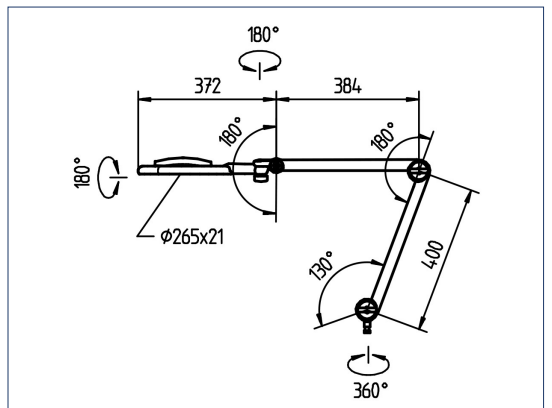
Each magnifier provides the ideal solution for electronic circuitry and soldering work. Each magnifying light is supplied with a bench clamp for quick fixing to worktops. This enables the units to be easily removed from the workspace if needed.

**Specifications**

Fitted with.....48 x LED  
 Colour temperature..... 3700-4000 K  
 Color rendering index.....(CRI)=90  
 Lens dimensions.....Ø 160 mm (6.3")  
 Lens diopters..... 3.5  
 Included add-on lens..... Dimensions Ø 31.5 mm (1.24") / Diopters: 8  
 Technology ..... Multi stage switchable; continuously dimmable multi-function switch  
 Luminaire body details ..... Material: Plastic / Colour: black / Lamp cover: Acrylic satine  
 Tubular sections details ..... Material anodized aluminum / Colour: Silver  
 Arm length..... TL90: 31" / TL91: 39"  
 Arm adjustment ..... Spring-balanced  
 Electrical specification ..... Plug-in transformer / connected load 100-240V; 50/60 Hz  
 Power consumption approx. 14 W  
 System of protection..... IP 20. Class of protection II  
 Weight ..... 2.7 kg (6 lbs) approx.  
 Mains lead length ..... 3.4 m (11 ft). Socket type UK as standard, others upon request  
 Mounting ..... Table clamp supplied as standard. Perfo or wall clamp optional.  
 Special features ..... Segment switched LED

**Features**

- 48 premium LEDs
- 6 " diameter wide-angle, scratch-resistant glass lens
- Spring-balanced arm for easy adjustments
- 3.5d+8d magnification (add-on lens inc with both models)
- TL90: 31" arm length / TL91: 39 " arm length
- 40 % energy savings compared to fluorescents
- 50,000 hours maintenance-free LED life
- 100 % to 10 % dimming by touch
- ETL/cETL approved
- Bench clamp included



**Ordering Information**

TL90 .....High Performance LED Magnification Light with 31 " arm length  
 TL91 .....High Performance LED Magnification Light with 39 " arm length

*Due to continuous development Time Electronics reserves the right to change specifications without prior notice.*