

PRISMA TL INSTRUCTIONS & INFORMATION

(Using cool, long life, colored, Light Emitting Diodes as light source)

A little history: Danish physicist Rasmus Bartholin first described an optical property called birefringence* in 1669. In 1970 Jordan Kirsch, patented the concept for a clock that used birefringent materials in a polarized light field to create beautiful colors. The result was a clock called SPECTRUM, later re-named and re-designed as the AURORA. It's a truly beautiful and ingenious use of the technology. The Museum of Modern Art selected the AURORA for its collection. Other polarized light clocks called the PRISMA™, & SPECTRA™ were designed and marketed for 20 years. They are much loved. In 1990, the marketer (HAMPTON-HADDON) of these products lost interest and discontinued them. Barry Gamble/ChronoArt immediately started a repair business for these clocks and 3 years later started manufacturing new Prismas.

These clocks have always been expensive. There are very few sources of the specialized, costly films we use. We have tried to build this clock to fit our motto: *Conversation pieces that delight for a lifetime.*

To set the time: Turn the setting knob on the back counterclockwise. You may turn it clockwise, but it may loosen the knob.

Cleaning: Clean the case with any acrylic plastic cleaner. DO NOT use abrasive cleaners.

Going on vacation: Leave the clock plugged into power & use the button in the rear to dim the lights. The small warmth in the clock will keep moisture out.

The lamps: After 15-20 years, the LEDs will lose about 30% of their brightness. After 20 years, the clock motor will probably fail. The Prisma TL runs much cooler than the original and is the longest lasting model yet. Displaying your clock at a lower brightness level (but bright enough so that you enjoy it to its fullest) will help extend the LEDs life.

Setting the brightness: You may want to dim the clock for bedroom use, to extend the LED lifespan, or simply for a setting you most enjoy.

On the back of the clock, about 2 inches to the left of the time setting knob, you will see a hole. The size of the hole is just right for the eraser end of a pencil. Through the hole, you'll see a small black switch on the circuit plate. With the eraser end of the pencil, gently locate the button (you'll feel it press in when you get it); push and hold the switch in with the eraser end until you reach the desired brightness. Each time you push down the switch post, the bright-dim direction will reverse.

Older models: If you wish to use the clock at very low brightness (such as for bedroom use) unplug the clock, wait 20 seconds, then hold in the switch while plugging the clock in. This will smooth out color changing; then set the brightness. It's a little tricky how fast it changes near minimum brightness, our apologies.

Warranty & Repairs: It's a good idea to keep the packaging for 90 days in case something goes wrong. Your Prisma TL is guaranteed against defects under normal use, for 1 year on parts & labor from the date of purchase. All repairs are done at the factory. We recommend keeping the box and packaging materials for at least 90 days. If something goes wrong, it will likely be during this period.

For warranty, repairs & technical support: Contact the manufacturer, Barry Gamble (707-795-1895)

For returns & purchase inquiries: Clock Forward / info@clockforward.com (704-981-0636)