

# Specialty Fluorescent



## Specialty Fluorescent Lamps

At LCD Lighting, Inc., we offer both standard and custom-designed specialty fluorescent lighting solutions for virtually every type of OEM lighting application.

With cutting-edge technology and the experience of designing and manufacturing thousands of T-2, T-4, T-5, T8 and T-12 fluorescent lamps, we are world market leaders in our industry.

### Product Portfolio

Our lamps include [CCFL Sub-minis](#) and [HCFL-aperture and reflectors](#), [aquarium lighting](#), [compact fluorescent](#), and completely [customized solutions](#).

We provide [lamp sub assemblies \(LSA\)](#), a value-added service. On site, LCD Lighting can produce fully assembled LSA units according to our clients' design drawings and specifications; our OEM clients receive ready-to-go equipment, saving valuable time and money.

### Applications/Industries

Our high-quality, dependable lamps are used in many industries. Below are some examples:

- Backlighting for LCD and AMLCD displays for [military and civilian aircrafts](#), [shipboards](#), and [vehicles](#), the [NASA space shuttle](#) and in vetronics, and [computers](#).
- [Light therapy](#) for medical uses, including neo-natal jaundice, sleep disorders, Seasonal Affective Disorder (SAD), skin disorders (eczema, psoriasis, and acne), wound healing, and Parkinson's.
- Specialty lighting for [architectural](#), [sign displays](#), and [museums and stage, screen, and film](#).
- Special task lighting for [copiers, scanners, and fax machines](#).
- Industrial uses for [curing](#) and [machine vision](#).

### Proprietary Technology

Our proprietary and innovative specialty fluorescent technologies and specially-designed solutions help provide our OEM clients with a measurable advantage in their respective markets

- [Ultra-Bright™](#) – With this technology, LCD Lighting offers lamps with double the efficacy (lm/watts), 50% improvement in lumen maintenance, and maximized lighting uniformity.
- [Robo-Bend](#) – This unique technology allows serpentine hot-cathode lamps to be manufactured with an automated bending processes.
- [Long Life](#) – Our cathode construction provides an extra long operating life – up to 60,000 hours for T8 and up to 50,000 hours for T12
- [High CRI](#) (Color Rendering Index) – Our proprietary color rendering index (CRI)

has more rare earth tri-phosphors to provide the truest color with a natural look.