

OPTICORD™
Luminous Pull-String
(U.S. Patent No. 5,454,056)



Opticord is a lighted pull-string. It is comprised of a flexible length of fiber optic cord which is internally illuminated by a light emitting diode (LED). The device can be powered directly from AC line current. Regardless of ambient lighting, it provides a visible switch member so that people no longer have to grasp aimlessly in the dark for a dangling string or chain.

In addition to addressing issues of convenience, Opticord has important safety applications for switches and emergency actuators in hospitals, offices, industrial sites, and homes for the elderly. Other uses include closet, attic, and basement lights, fluorescent fixtures, table lamps, ceiling fans, and night lights. It can also be manufactured as a user installed module that screws directly into an existing light bulb socket.

Opticord can be offered in a variety of colors. Furthermore, by employing a modular design, the cords themselves can be replaceable or interchangeable. Inexpensive, practical, and aesthetically pleasing, Opticord represents a new generation of illuminated switches.

OPTICORD™

Product Features

Convenient:

- ◆ users no longer have to grasp aimlessly in the dark for a dangling string or chain they can't see
- ◆ helps eliminate fear of walking into dark places

User transparent:

- ◆ ease of operation (no special action needed to operate device)
- ◆ easy to install (no special equipment required)

Safe:

- ◆ easy to locate in emergency
- ◆ ideal for use in hospitals, homes for the elderly, and general care facilities

Inherently reliable:

- ◆ draws minimal power (~ 50 milliamps)
- ◆ LEDs last for years

Inexpensive to produce:

- ◆ low parts count
- ◆ electronic components cost pennies each

Marketing assets:

- ◆ huge potential market
- ◆ proprietary device (U.S. Patent No. 5,454,056)
- ◆ many different venues for marketing and sales
- ◆ variety of applications

Applications	Retail Price	Potential U.S. Market
<ul style="list-style-type: none">◆ Emergency switch actuator◆ Lamp pull-cord◆ User installed module	Application dependent	<ul style="list-style-type: none">◆ 90 million households◆ Schools, day care centers◆ Medical, nursing facilities◆ Industrial sites