

## Slant-Guard Angled Safety Light Curtain

The **Slant-Guard Angled Safety Light Curtain** is a specially-configured photoelectric barrier with two or more segments and is designed to replace multiple light curtains with a single integrated unit. It can be mounted horizontally to provide protection on two or more sides, or vertically to add protection in a diagonal plane. This product eliminates the need to cascade or overlap separate units in order to provide coverage of a hazardous area.

The Slant-Guard System includes a full-featured safety light curtain with a matching safety controller. It easily interfaces with a wide range of machine and security controls.



### Features & Benefits

- Eliminates need for multiple light curtains
- Full-featured light curtain with beam blanking
- Easier to align than multiple units
- EN 61496 type 4 design for maximum safety
- Interfaces easily with external controls

### Applications

- Machine guarding
- Hazardous area protection
- Access monitoring and control
- Diagonal zones of protection
- Any guarding application requiring multiple light curtains

### General Specifications

Detection Capability (Resolution)	30 mm (1-3/16")
Response Time	<18 msec
Operating Range	up to 30 m (98 ft)
Operating Temperature	32 to 120°F (0 to 50 °C)
Enclosure Rating	IP65
Operating Temperature	-5 to 65°C (23 to 149°F)
Enclosure Rating	IP65
Maximum Length	Up to 72 " (all segments)
Noise Immunity	Exceeds I.E.C. 801/4 level 4
Safety Outputs	2 x PNP (fail-safe) 500 mA @24Vdc

### Explanation of Terminology

**Beam Blanking** allows the light curtain to operate where there is a permanent or floating obstruction in the sensing field, such as workpiece supports.

**EN 61496 Type 4 Design** is the highest level of the most stringent standard in the world, and is suitable for the most dangerous machine guarding applications.

This **Self-contained 2-Unit System** is capable of safety functions without additional equipment. It interfaces readily with common safety relay units and fail-safe PLCs, as well as with Tapeswitch safety controllers.

The Slant-Guard Anged Safety Light Curtain is a built-to-order product. Please contact the factory for more information and for help with your application.