

SafePass KTL Safety Light Curtain



The SafePass KTL Safety Light Curtains play an important role in access control for automatic door and gate systems, preventing accidents and enhancing overall safety.

The KTL Light Curtain is available in two lengths 90 cm and 180 cm and are ideal for industrial, residential or commercial applications.

The SafePass KTL Safety Light Curtain uses photocell infrared communication protocol and features a receiver and a transmitter units with 9 or 18 parallel scanning beams.

Depending on the scan mode chosen the KTL features a fast response time of up to 270ms (in cross mode) ensuring the gate quickly stops or reverses when an obstruction is detected.

SafePass KTL light curtains can be set up to cover the entire height and width of the door/gate entry's operational area or partially where the path is most likely to be crossed by objects or people.

Safety light curtains can be integrated into an access control system, to work with other safety devices like pressure-sensitive edges, motion sensors, and emergency stop buttons to provide a comprehensive safety solution.

Easy to install the KTL can be set to function in linear scan mode or cross scan mode for increased safety.

SafePass KTL Safety Light Curtain features include:

- 1-16 metre sensing range
- 9 or 18 parallel scanning beams
- 10 cm spacing
- Dead zone top 175mm
- Dead zone lower part 25mm
- 2 detection modes; linear scan and cross scan
- Automatic sensitivity = 500ms
- Power, output and system status indicators
- 12-24V AC/15-40V DC supply voltage
- 5 wire solid state relay output
- Plastic casing with aluminium reinforcement bars
- Typically used for indoor or undercover situations

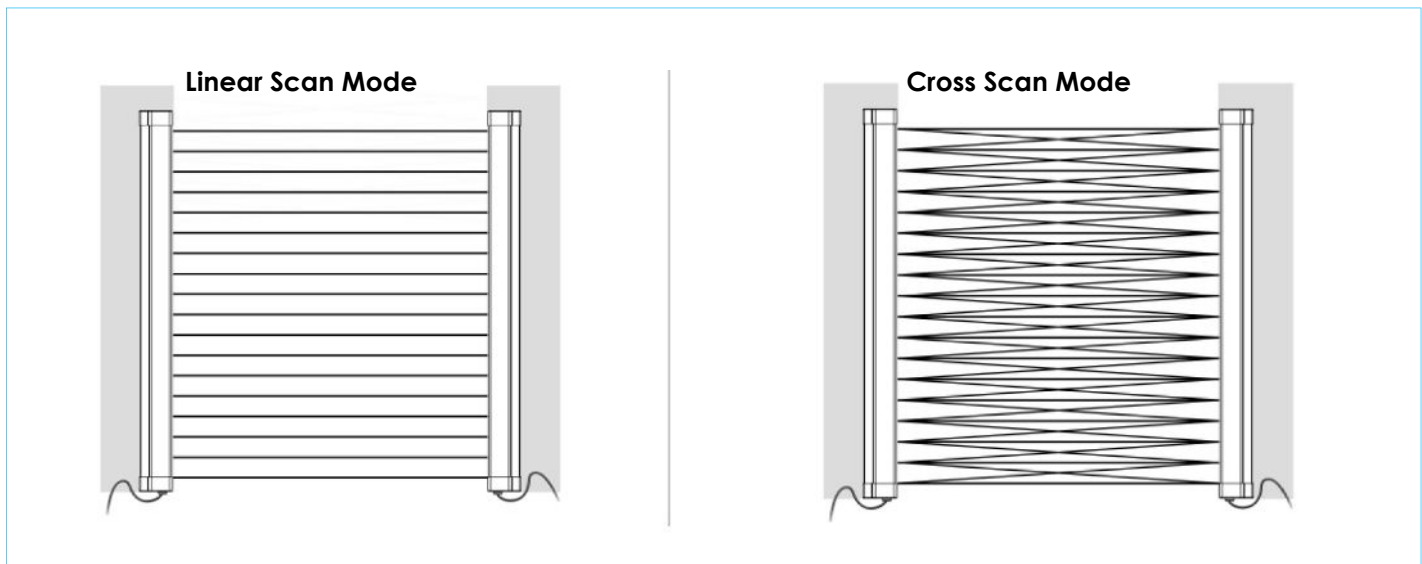
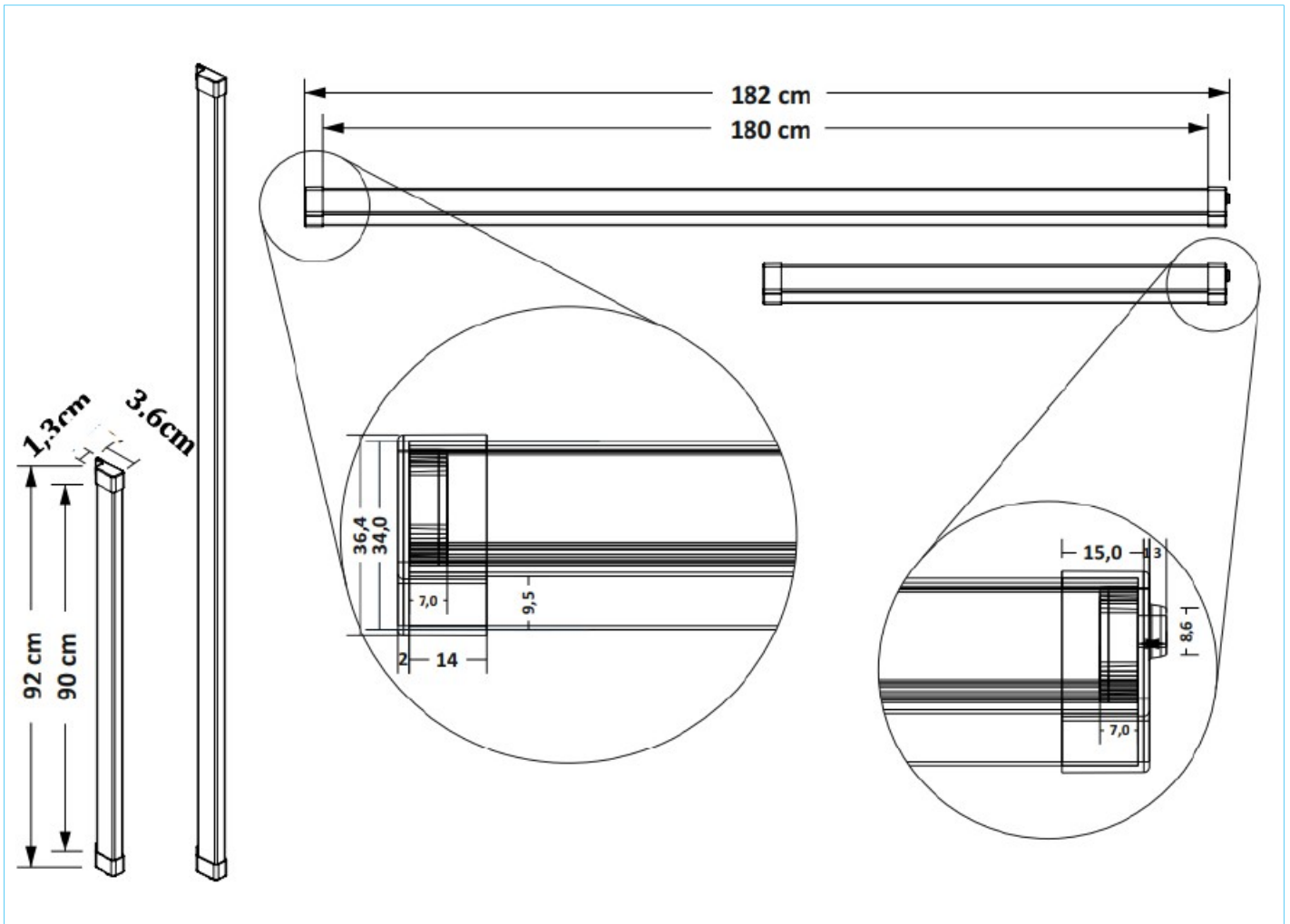
Technical Specifications

Specification	90cm Light Curtain Transmitter	90cm Light Curtain Receiver
Model	BF2 90V	BF2 90A
Working Voltage	12-24V AC / 15-40V DC	12-24V AC / 15-40V DC
Working Current	100mA @24V DC	100mA @24V DC
Max. Reaction Time (Linear / Cross Mode)	–	88ms / 155ms
No of Parallel Beams	9	
Sensor Spacing	10 cm apart	
Max. Working Distance	16m*	16m*
Min. Contacting Time	–	500ms
Infrared Frequency	38kHz	38kHz
Working Temperature	-20 °C +55 °C	-20 °C +55 °C
Contact Type	–	Dry Contact NO / NC
Max. Contact Power	–	60V DC 100mA, 42V AC 100mA
Weight	1128,4 gr	1128,4 gr
Dimensions (Width x Length x Depth)	3,6 x 92 x 1,3cm	3,6 x 92 x 1,3cm

Specification	180cm Light Curtain Transmitter	180cm Light Curtain Receiver
Model	BF2 180V	BF2 180A
Working Voltage	12-24V AC / 15-40V DC	12-24V AC / 15-40V DC
Working Current	100mA @24V DC	100mA @24V DC
Max. Reaction Time (Linear / Cross Mode)	–	125ms / 270ms
No of Parallel Beams	18	
Sensor Spacing	10 cm apart	
Max. Working Distance	16m*	16m*
Min. Contacting Time	–	500ms
Infrared Frequency	38kHz	38kHz
Working Temperature	-20 °C +55 °C	-20 °C +55 °C
Contact Type	–	Dry Contact NO / NC
Max. Contact Power	–	60V DC 100mA, 42V AC 100mA
Weight	2040 gr	2040 gr
Dimensions (Width x Length x Depth)	3,6 x 92 x 1,3cm	3,6 x 92 x 1,3cm

* Maximum operating distance tested indoors. The operating distance of the product varies slightly depending on weather conditions and environments.

Dimensions



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