

BMLV Series Part Sensing Light Screens

Dependable sensing of larger objects.

BMLV Series parts sensing light screens use the retroreflective sensing mode. A system consists of a single sensor used with a suitable retroreflective target which is mounted on the opposite side of the sensing area. The sensor-to-target separation may be up to 3 m (10'), when used with Banner high-grade retro tape. Originally designed for counting sheets and towels in an automated laundry process, the BMLV system may be used to sense any object larger than 50 mm (2") at a distance of 0.6 m (2'), or larger than 125 mm (5") at a distance of 2.1 m (7') from the sensor.

Features:

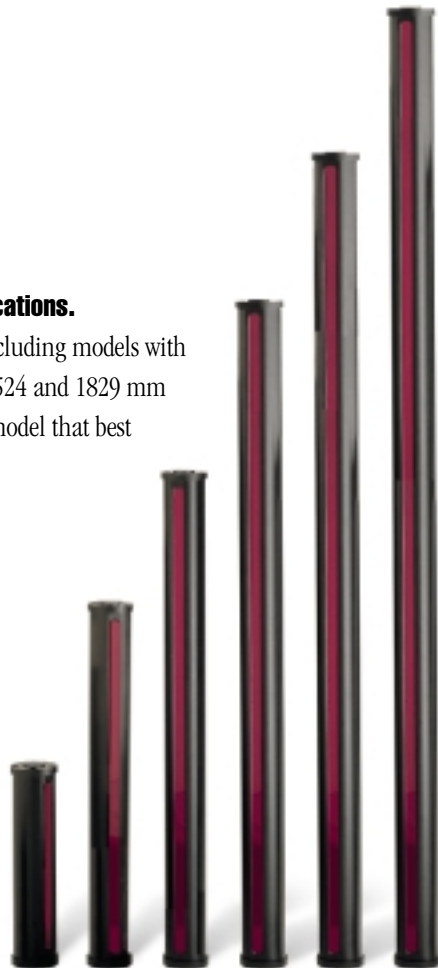
- Solid-state Bi-Modal™ output† offers NPN or PNP plus light or dark operate programming, simply depending upon hookup to power supply
- Exceptionally rugged extruded aluminum BEAM-ARRAY™ sensor housing
- Very simple and fast installation and alignment



†U.S. Patent No. 4982107

Six screen heights to solve your applications.

You have a choice of light screen heights including models with LED array heights of 305, 610, 914, 1219, 1524 and 1829 mm (1', 2', 3', 4', 5', or 6'). Simply choose the model that best matches your application.



BMLV Series Model Selection



BMLV Series Models

Models	Array Height	Total Beams	Minimum Object Size	Range	Cable*	Supply Voltage	Output Type
BMLV18C	305 mm (12.0")	8	50 mm (2")	0.3 to 3 m (1 to 10')	4-Pin Mini QD	10 to 30V dc	Bi-Model™ NPN or PNP depending on power supply hookup polarity
BMLV28C	610 mm (24.0")	16					
BMLV38C	914 mm (36.0")	24					
BMLV48C	1219 mm (48.0")	32					
BMLV58C	1524 mm (60.0")	40					
BMLV68C	1829 mm (72.0")	48					

*Models with a QD connector require a mating cable (page 62).
[Download datasheet at www.baneng.com](http://www.baneng.com) 31096

Retroreflective Tape

Model	Description
BRT-THG-3	<ul style="list-style-type: none"> • 75 mm (3") wide, high-grade micro corner-cube tape • Made of flexible synthetic resin • Sold in 2.5 m (100") lengths

