

Wet Conditions are no Challenge for IP68 PresencePLUS® Sensors

PresencePLUS®

Vision Sensing in Caustic Washdown Environments

- **Rugged Vision Sensors are Reliable in Harsh Environments**

The sensitive circuitry of a traditional vision system is not suited to the harsh food processing environment – until now! Banner Engineering introduces a new line of machine vision sensors and vision accessories uniquely suited to the high-pressure washdown and caustic detergents used in food processing plants.



- With the IP68-rated, stainless steel *PresencePLUS® Pro*, manufacturers now have a rugged sensor option capable of detailed, high-quality inspections that only a vision sensor can perform. The 316-grade stainless housing is easy to clean, less subject to pitting and is able to withstand the demands of hot, high-pressure sprays, as well as caustic, acid-based detergents. Additionally, Banner helps you complete the system with ruggedized accessories from brackets to lighting in a variety of configurations.

- Food processing is a highly regulated industry with some of the highest standards for manufacturing hygiene. The *PresencePLUS Pro* can help manufacturers meet and exceed these standards with high quality inspections.



BANNER®

more sensors, more solutions

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Models

PROII Controllers, 10-30V dc



Model	PPROCTL	PPROCTL1.3	PPROCTLC	Add premium tools to model (example, PPROCTL-BCBDOC)		
Resolution	640 x 480 Gray Scale	1280 x 1024 Gray Scale	752 x 480 Color & Gray Scale	BC = Bar Code Reader BD = Bead Tool OC = OCR/OCV BCBD = Bar Code Reader & Bead Tool BCOC = Bar Code Reader & OCR/OCV BDOC = Bead Tool & OCR/OCV BCBDOC = Bar Code Reader, Bead Tool & OCR/OCV		
IP68 Stainless Steel Pro Camera Model Numbers*				Ring Light	Window**	Housing
	PPROCAMSSC-G	PPROCAM1.3SSC-G	PPROCAMCSSC-G	Lens Cover (No Light)	Glass	316 Stainless Steel
	PPROCAMSSC-P	PPROCAM1.3SSC-P	PPROCAMCSSC-P		Plastic	
	PPROCAMSSR-G	PPROCAM1.3SSR-G		Red	Glass	
	PPROCAMSSR-P	PPROCAM1.3SSR-P			Plastic	
	PPROCAMSSI-G	PPROCAM1.3SSI-G		Infrared	Glass	
	PPROCAMSSI-P	PPROCAM1.3SSI-P			Plastic	
	PPROCAMSSB-G	PPROCAM1.3SSB-G		Blue	Glass	
	PPROCAMSSB-P	PPROCAM1.3SSB-P			Plastic	
	PPROCAMSSG-G	PPROCAM1.3SSG-G		Green	Glass	
	PPROCAMSSG-P	PPROCAM1.3SSG-P			Plastic	
	PPROCAMSSW-G	PPROCAM1.3SSW-G	PPROCAMCSSW-G	White	Glass	
	PPROCAMSSW-P	PPROCAM1.3SSW-P	PPROCAMCSSW-P		Plastic	

* Models listed are made from 316 stainless steel. For lighter nickel-plated aluminum IP68 cameras, remove an **S** from the model number (example, PPROCAMSC-G)

** Windows are factory replaceable, contact factory at 1-888-373-6767.



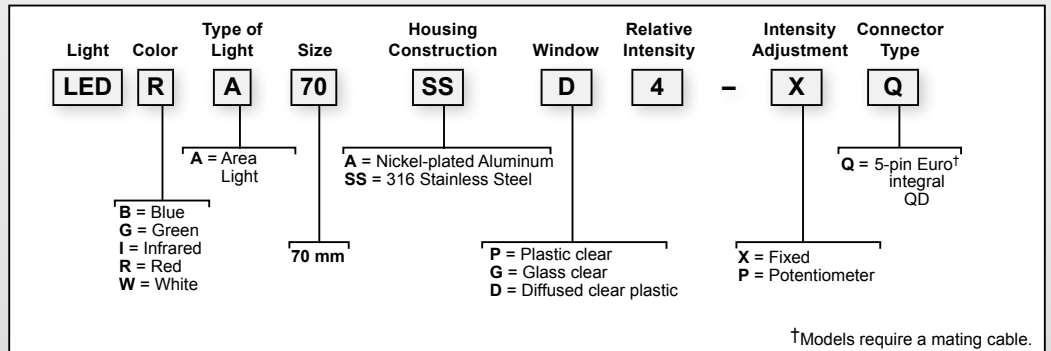
Area Lights



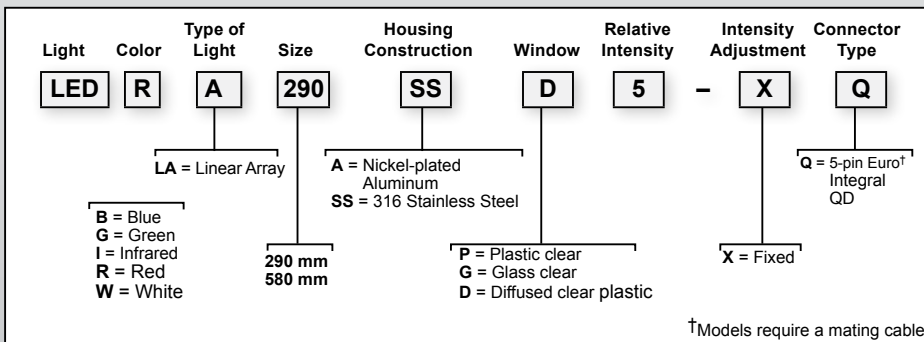
- Illuminates specific surface angles
- Reflects glare from shiny surfaces away from camera
- Creates shadows to detect changes in depth



LED High-Intensity IP68 Sealed Area Light Model Key, 24V dc



LED IP68 Sealed Linear Array Model Key, 24V dc



Linear Array Lights

- Maintenance-free LED illumination of large objects from far away
- Provides super high-intensity illumination of large areas
- Withstands washdown (rated IP68)



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SENSORS



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