



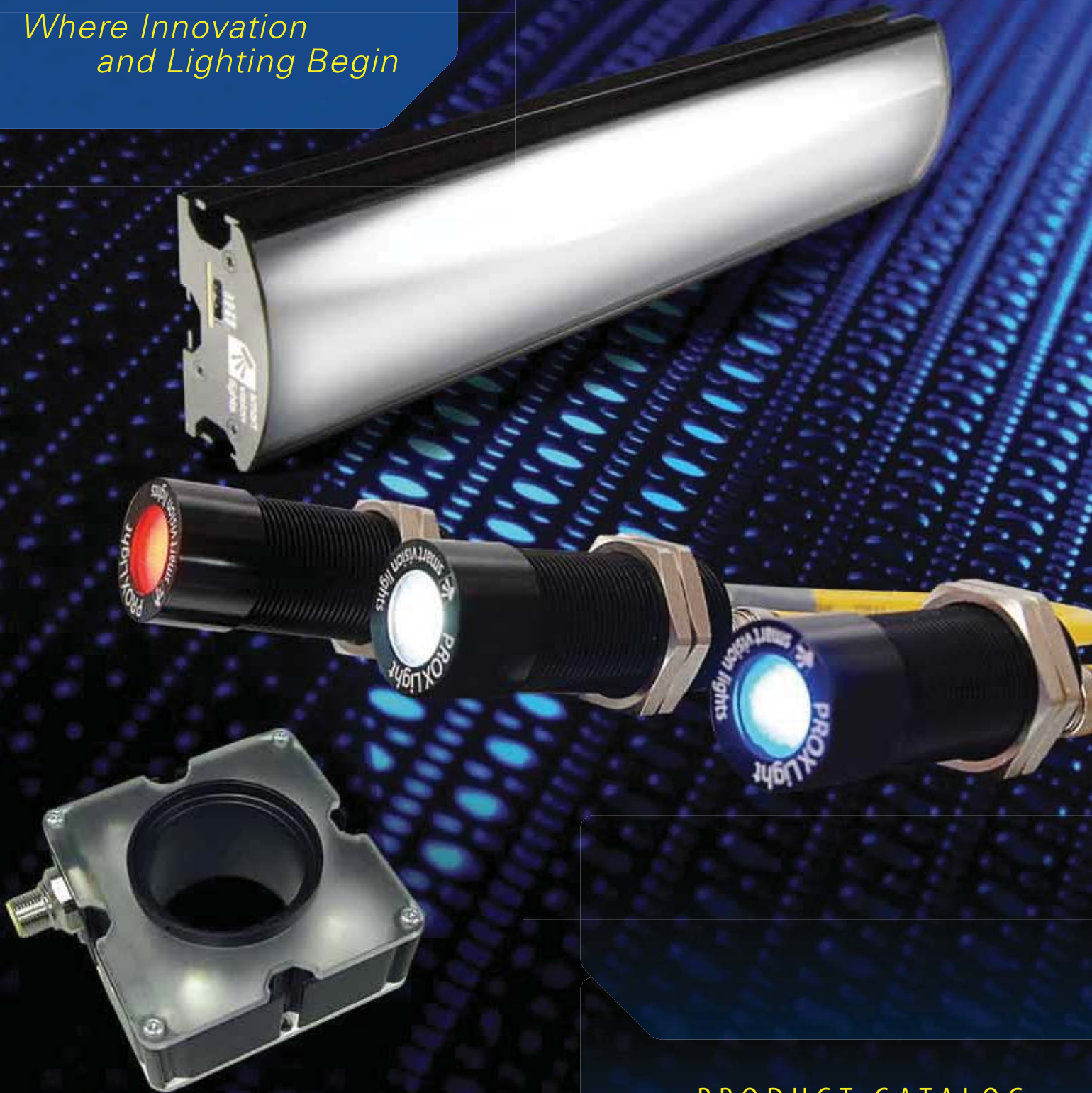
smart vision lights

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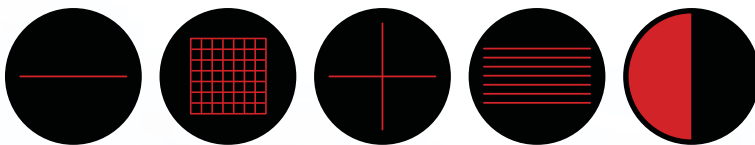
Structured Light Pattern Projectors



SP30 Series LED Pattern Projector Light

Smart Vision Lights can design the SP30 Prox Spot light structured light to project any 2D pattern you wish, from standard crosshair and grid patterns to your company name, logo, or any other shape you desire.

- The SP30 projector uses a 5W LED. SP30 is available in light outputs of white, red, amber, blue, green, cyan, UV, and IR. SP30 includes an integrated constant current driver with a built-in strobe input with the option for PNP or NPN trigger control.
- Standard patterns etched with line thickness of 0.1mm
- 0.05mm etched line thickness available upon request
- Requires an external standard C-mount lens for pattern focus



▲ SP30 projector pattern options

Pattern Projector Light Applications



Images above show custom patterns.

Configurable to Any Working Distance

Pattern projectors must utilize a standard C-mount lens for pattern focus. **Smart Vision Lights** recommends 2/3-inch or larger format lenses. Telecentric lenses also can be used for telecentric pattern projection. Standard format lenses with pattern area sizes and working distances are listed in the chart below. Chart sizes are approximations due to differences in lens manufacturers. For more information, contact **Smart Vision Lights**.

		W = Working Distance										
		100mm	150mm	200mm	300mm	400mm	500mm	600mm	750mm	1000mm	1500mm	2000mm
A = Diameter of Area	60mm			25			50					
	100mm	8	12	16	25	35	35	50	50			
	150mm	6	8	12	16	25	25	35	35	50	75	
	200mm		6	8	12	16	16	25	25	35	50	100
	300mm			6	8	12	12	16	16	25	35	50
	400mm				6	8	8	12	12	16	25	35
	500mm					6		8	12	16	25	25

Number in box represents the focal length of lens. (Example: 6 is a 6mm focal length lens.)

