



SuperGen® Image Intensifier

The SuperGen® tube overall performance offer enhanced contrast at low light level conditions.

This Image Intensifier Tube is therefore ideal for a variety of applications. Special technology reduces the vulnerability for burn-in effects caused by higher light levels, resulting in longer tube life.

The SuperGen® has a guaranteed minimal Signal-to-Noise Ratio (SNR) of 18 at 108 μ lx and can be ordered with P22 or P43 phosphor. The standard 18mm size makes it ideal for form-fit-function replacements for existing optical systems as well as for new system designs.

Resolution				
	Minimum	Typical	Maximum	Unit
Limiting resolution	45	51		lp/mm
MTF (Modulation Transfer Function)				
	Minimum	Typical	Maximum	Unit
2.5 lp/mm		88		%
7.5 lp/mm		70		%
15 lp/mm		50		%
25 lp/mm		30		%
30 lp/mm		22		%
Signal-to-noise Ratio (SNR)				
	Minimum	Typical	Maximum	Unit
Signal-to-noise Ratio (@ 108 µlx)	18	21		
Other Technical Data				
	Minimum	Typical	Maximum	Unit
Phosphor	P22 (also available in P43)			
MTTF	10.000			hours
Halo		0.8		mm
Gain at 2×10^{-5} lx	10.000		18.000	cd/m ² /lx
Gain at 2×10^{-6} fc	30.000		55.000	fL/fc
Max. Output Brightness	2		17	cd/m ²
E.B.I.		0.15	0.25	µlx
Output uniformity 2850K		2:1	3:1	
Weight		80	95	grams
Shock resistance	500			g

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For more information, please visit www.photonis.com

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