

# BE THE FIRST TO SEE

Innovation in image  
intensification technology  
brought to the next level

**2300  
FOM  
MINIMUM**



## 4G+

### Image Intensifier Tube

The 4G standard is the latest technology in intensified night vision. 4G+ technology is the next stage in innovating the 4G standard and is specifically designed to meet the ever increasing requirements of special forces operators. Thanks to a new micro-channel-plate (MCP) technology, resulting in a vastly improved contrast and MTF, the advanced 4G+ provides a strongly improved DRI\* range for the highly demanding operator. Only 4G offers ultra-fast Auto-Gating, the smallest halo and unrivalled spectral range from ultraviolet to near infrared. Get the edge over adversaries in the darkest nights, in all conditions and operations. 4G+, the next stage in innovative image intensification technology.

\*DRI = Detection, Recognition and Identification

# Photonis: leader in design and manufacture of state-of-the-art image intensifier tubes for military applications.

- Vastly improved DRI\* range
- Selected by Tier 1 Special Forces
- Smallest halo
- Ultra-Fast Auto-Gating
- Spectral range from 400nm to 1000nm
- Non-ITAR product
- NATO registered supplier



\*DRI= Detection, Recognition and Identification

	Minimum	Typical	Maximum	Unit
FOM (Figure Of Merit)* - 18mm (P43)	2300			
Signal-To-Noise Ratio	30			
Limiting resolution	72			lp/mm
High Light Level Resolution (200 lx)	55			lp/mm
<b>Ultra Fast Auto-Gating Power Supply Unit</b>				
Response time		0.1	0.2	s
Rise Time Off-to-On		0.5	0.6	s
Input current		25	30	mA
<b>Other Technical Data</b>				
Phosphor	P43 and P45**			
Operational life time	10.000			hours
Halo (with 0.35mm input spot)		0.75		mm
Gain at $2 \times 10^{-5}$ lx	10.000		20.000	cd/m <sup>2</sup> /lx
(Gain at $2 \times 10^{-6}$ fc)	(31.000)		(63.000)	fL/fc
Max. Output Brightness	4		17	cd/ m <sup>2</sup>
(Max. Output Brightness)	(1,2)		(4,9)	fL
E.B.I.		0.15	0.25	μlx
Weight (18mm, anvis)		70	75	g
Shock resistance	500			g's

\* Signal-To-Noise Ratio x Limiting resolution

\*\* For P45 (white phosphor), please ask for specifications

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