



The AO-21841C Image Intensifier Assembly (Photonis), 18 Millimetre Microchannel wafer, shall have a minimum useful photocathode and phosphor screen diameter of 17 millimetres (mm). The assembly shall employ an S-25 photocathode and a microchannel electron multiplier plate with proximity focus on the input and output. The assembly shall include the high voltage multiplier and oscillator and shall be encapsulated within a hard surface insulating sleeve or boot and assembled in a hard plastic housing.

Specifications:

Resolution, lp/mm	60 lp/mm minimum
Gain at 2.10-5lx	7000 Cd/m ² /lx min
EBI	0.2 µlx max
Maximum Output Brightness	5.5 Cd/m ² min
Useful diameter of photocathode	17 mm minimum
Photocathode	S25
Luminous sensitivity at 2850K	300 µA/lm, minimum
Radiant sensitivity at 830 nm	20 mA/W min
Signal to noise ratio	15 minimum
Phosphor	P43
Input window	Glass (AVG)
Output window	Inverting fibre-optic

Maximum allowable spots in each zone

Spot size, µ	Ø5.6 mm	Ø5.6-14.7 mm	Ø14.7-17.5 mm
>381	0	0	0
301-380	0	1	1
226-300	0	1	2
151-225	1	2	4
75-150	3	7	12