

## PEAK TACTICAL INTENSIFIER TUBES

### Generation 3 is now available for supply as;

- ◆ Autogated and Non-Autogated tubes
- ◆ Inverting and non-inverting tubes for use in Goggles, Weapon Sights, Monoculars etc
- ◆ Supplied in both WHITE phosphor and GREEN Phosphor versions
- ◆ Can be supplied with variable GAIN control for specific tactical missions
- ◆ Bright Source Protection (BSP) built into integral power supplies
- ◆ Automatic Brightness Control (ABC)
- ◆ Supplied as both 18mm and 36mm intensifier tubes
- ◆ Can be produced to order in different light spectrums to emphasise certain tactical advantages

**Existing military and law enforcement end users report that compared to our competitor's products, our Gen 3 shows:**

- ◆ Extremely good sensitivity in true low light conditions due to high FOM available in this Gen3.

**Note: Every Gen3 we supply will meet or exceed minimum guaranteed specifications.**

**For instance many of our GEN3 tubes produce a FOM of 1800+.**

If you specify a min FOM value we will deliver to this value.

| PERFORMANCE                                   | UNITS                           | MIN    | MAX          |
|-----------------------------------------------|---------------------------------|--------|--------------|
| Luminous Sensitivity at 2856°K                | $\mu\text{A}/\text{lm}$         | 1650   | 1800+        |
| Radiant Sensitivity at 830 nm                 | $\text{mA}/\text{W}$            | 160    | or better    |
| Signal-to-Noise Ratio                         |                                 | 22     | 27+          |
| EBI                                           | $10^{-11}\text{lm}/\text{cm}^2$ |        | 2.5          |
| Luminous Gain at $2 \times 10^{-6}\text{fcd}$ | $\text{fl}/\text{fc}$           | 40,000 | 70,000       |
| Supply Current                                | $\text{mA}$                     |        | 32           |
| Output Uniformity at 2856°K                   |                                 |        | 3:1          |
| Limiting Resolution                           | $\text{lp}/\text{mm}$           | 64     | 69+          |
| MTF at 2.5 $\text{lp}/\text{mm}$              | %                               | 92     |              |
| 7.5 $\text{lp}/\text{mm}$                     | %                               | 75     |              |
| 15.0 $\text{lp}/\text{mm}$                    | %                               | 55     |              |
| Photocathode diameter                         | $\text{mm}$                     | 17.5   |              |
| MTTF                                          | hours                           | 10,000 | >by contract |

Technical details subject to change without notice.

#### Picture Quality Table:

Maximum allowable spots in each Zone.

| Spot Size (Microns) | I | II | III |
|---------------------|---|----|-----|
| 401-500             | 0 | 0  | 0   |
| 301-400             | 0 | 0  | 0   |
| 251-300             | 0 | 0  | 1   |
| 151-250             | 0 | 1  | 2   |
| 75-150              | 1 | 2  | 3   |

**Note: We also supply Gen2 and Gen3PLUS intensifier tubes with many of these same features. Please contact us for more details**

#### Peak Tactical Pty Ltd

Manufacturers of night vision, thermal, other specialised equipment and all tactical training. Please contact us at

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