

Zone2(5.6-14.7mm) - 0 ✓
Zone3(14.7-17.5mm)- 0 ✓

(ii) Dark spots 230-300 micron ✓
Zone1(5.6mm dia) - 0 ✓
Zone2(5.6-14.7mm) - 0 ✓
Zone3(14.7-17.5mm)- 0 ✓

(iii) Dark spots 150-230 micron ✓
Zone1(5.6mm dia) - 0 ✓
Zone2(5.6-14.7mm) - 1 ✓
Zone3(14.7-17.5mm) - 2 ✓

(iv) Dark spots 75-150 micron ✓
Zone1(5.6mm dia) - 0 ✓
Zone2(5.6-14.7mm) - 2 ✓
Zone3(14.7-17.5mm)-3 ✓


(v) Dark spots < 75 micron ✓
Zone1(5.6mm dia) - 1 ✓
Zone2(5.6-14.7mm) - 2 ✓
Zone3(14.7-17.5mm)- 3 ✓

18. Shock resistance:- 500 g ✓

19. Dimensions as per Drawing no. 2894/1

20. All other characteristic as per MIL-I-49052D

21. Contractor has to provide a certificate from OEM/ internationally accredited/ NABL accredited lab stating the compliance to all the parameters and also the measured values separately for each II Tube.


TARUN KHATAR
DGMP&P

(3)

Specifications of the 18mm, 64 lp/mm limiting resolution with projected flat output window (Drg No.2894/1)

Specification

- | | | | |
|--|---|---|---|
| 1. Phosphor -P43, Dia 17.5mm useful min | ✓ | P | B |
| 2. Input window- AVG Glass | ✓ | | |
| 3. Output window-Inverted fibre optic(projected flat output) | ✓ | ✓ | ✓ |
| 4. Inbuilt Automatic gain control and Bright Source Protection | ✓ | | |
| 5. Magnification-1 | ✓ | | |
| 6. Connection-Flying leads | ✓ | | |
| 7. Operating supply voltage-2.7volt | ✓ | | |
| 8. Cathode sensitivity at 2856K -Minimum-500micro amp/lm | ✓ | | |
| 9. Radiant sensitivity at 830nm-39mA/W | ✓ | | |
| 10. Signal to noise ratio at 108 micro Lx- 22 or better | ✓ | | |
| 11. Luminance gain at 2×10^{-5} Lux- Min 10,000 cd/m ² /lx Max.-18,000 cd/m ² /lx | ✓ | | ✓ |
| 12. Limiting resolution Min. 64 lp/mm | ✓ | | |
| 13(i). MTF at 2.5 lp/mm- Min. 92% | ✓ | | |
| (ii) MTF at 7.5 lp/mm Min. 80% | ✓ | | |
| (iii) MTF at 15 lp/mm Min. 58% | ✓ | | |
| (iv) MTF at 25 lp/mm Min. 45% | ✓ | | |
| (v) MTF at 30 lp/mm Min. 35% | ✓ | | |
| 14. Equivalent background illumination Max. 0.25 micro lx | ✓ | | |
| 15. Output uniformity over 17mm at 2850 K- min 2:1 Max. 3:1 | ✓ | | ✓ |
| 16. Halo 0.8 max | ✓ | | ✓ |
| 17. MTF:- Min 10,000 Hrs | ✓ | | ✓ |
| 18. Weight:- max 95 gm. | ✓ | | ✓ |
| 17. Dark spots | ✓ | | |
| (i) Dark spots > 300 micron
Zone 1 (5.6mm dia) - 0 | ✓ | | ✓ |