

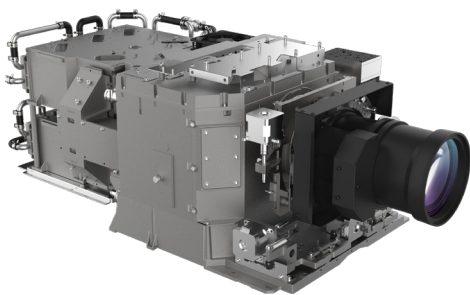


**Overview**

Many of our projectors utilise the most advanced 100% sealed optics and uses liquid cooling with radiators to remove energy to the outside environment. The optical system, from the laser light source up to the lens is completely sealed and can be considered IP6x rated. This ensures that light output and colour performance will not be degraded due to the ingress of dust. Additionally, this projector is completely filterless as the system is liquid cooled and uses a radiator heat exchanger, minimising maintenance as no replacement or cleaning of filters is necessary and allows unrestricted airflow.

Our class-leading DLP Projectors that benefit from this same level of sealed optic protection, the full list of projectors:

3-Chip DLP	TITAN Laser 33000 4K-UHD, TITAN Laser 37000 WU, TITAN 47000 WU, TITAN 41000 4K UHD
1-Chip DLP	<p><b>M-Vision:</b> M-Vision 27000, M-Vision 24000, M-Vision 21000, M-Vision Laser 18K,</p> <p><b>E-Vision:</b> E-Vision Laser 13000 WU, E-Vision Laser 8500, E-Vision Laser 10K, E-Vision Laser 4K-UHD, E-Vision Laser 11000 4K-UHD, E-Vision 8000i, E-Vision 10000i</p>



**Sealed Optics Example**

Our unique design does not only seal the laser light module, but the full optical path from laser to lens, ensuring the best possible lifetime of the projector.

**Dust Test Chamber**



Chamber exterior



Chamber interior



Dust detector



Control panel

Rigorous testing is undertaken in our specialised "Dust Test Chamber". This is utilised to simulate and test the effect that dust has on brightness decay over a long period of operation. The chamber is also temperature controlled, allowing us to simulate the widest variety of environments possible.



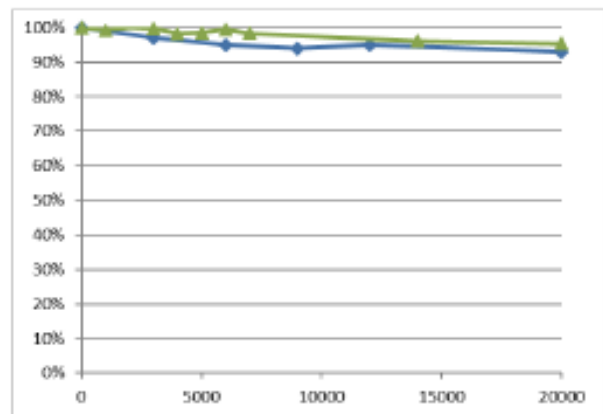
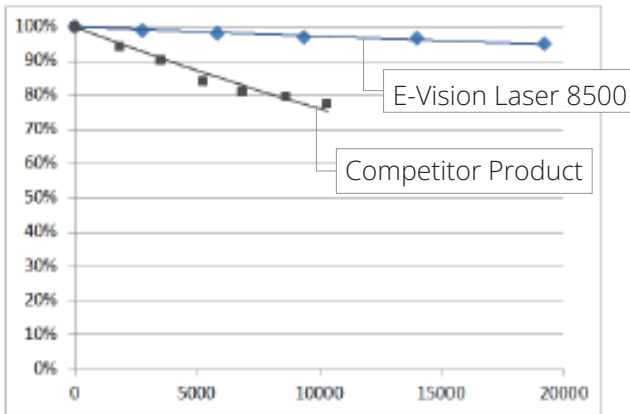
**Dust Test Comparison**

**E-Vision 8500** vs. similar specification competitor

-- Test condition: 0.021mg/m<sup>3</sup>, 20,000 hours

-- Test condition: 0.061mg/m<sup>3</sup>, 20,000 hours

**E-Vision** & **M-Vision** Laser Projectors



**More information**

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