

STANDARD OPERATING PROCEDURE (SOP)

Title: Flat Dome Cleaning	SOP No: SOP-001	Version: 1.0	Date: 03-11-2025
Effective Date: 03-11-2025	Department: R&D	Confidentiality: For TMS Customer	
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Purpose:

Ensure the correct procedure and materials are used to clean the flat dome light guide plate to prevent damage.

Procedures/Steps:

Cleaning

Materials:

Use proper cleaning materials to avoid leaving water marks or scratches that could affect the optical performance.

- **Alcohol**
 - i) 99.9% Ethanol (Anhydrous)
 - ii) 70% IPA (Isopropyl Alcohol)
- **Cleaning Tools**
 - i) clean compressed air
 - ii) lint-free swab
 - iii) soft lint-free cloth
 - iv) eyeglass cleaning wipes

Dust Handling:

1. If dust is found, first use **clean compressed air** to blow it off.
2. If it remains, use a **lint-free swab** to gently touch the spot. Confirm if the dust is on the surface.
3. If needed, lightly touch the area with a **lint-free swab dipped in 99.9% anhydrous alcohol or 70% IPA**.
4. Always clean the swab with alcohol before reuse to avoid spreading dust.
5. Do not wipe back and forth. For stubborn dust that cannot be removed, skip cleaning and continue use if it does not affect testing.

Fingerprints and Other Contamination:

1. For fingerprints or oil stains, use a **lint-free swab dipped in 99.9% anhydrous alcohol or 70% IPA** and gently wipe in one direction.
2. Control the wiping area and pressure to avoid spreading contamination or leaving marks.
3. For larger contaminated areas, use **eyeglass cleaning wipes** and clean in one direction.
4. Do not rub hard to prevent residue and secondary contamination.