



Alanod's Prime-Silver® Performance

The ELITE TDD light tube utilizes Prime-Silver to create pure white light with no color shift during transmission, even after multiple reflections. At nearly 98% total light reflectivity, these Prime-Silver light tubes allow daylight to illuminate interior spaces longer, and brighter, than any other TDD. Compared to polymer-laminated light tubes common in other TDDs, the ELITE Prime-Silver light tube will not experience a rapid decline in reflectivity after installation.

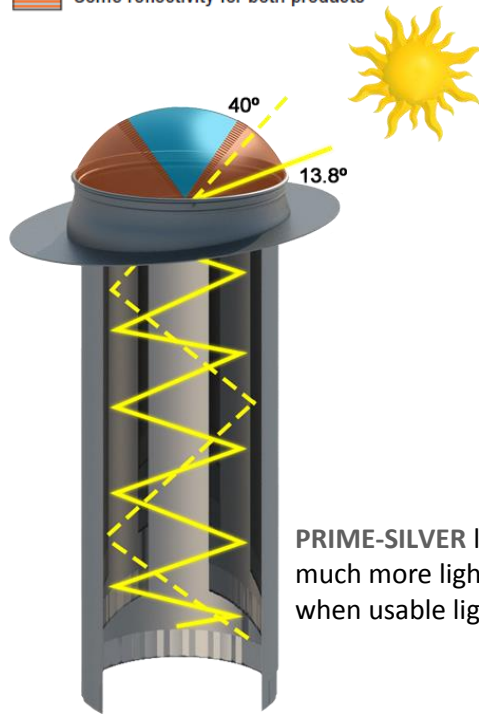
Benefits of Prime-Silver Light Tubes:

- Solid reflective material, NOT a laminated polymer sheet
- Will not delaminate, yellow, crack or peel due to prolonged UV exposure
- 25-year material warranty

Reflector Material under different angles:

Comparison between PRIME-SILVER and Multi-layer Polymeric Film (MPF)

- Advantage for MIRO-SILVER (0-45°)
- Some reflectivity for both products



PRIME-SILVER light tubes transmit much more light between 0 and 45° – when usable light is really needed.

Total Reflection is % Under an Angle of:

	13.8°	40°
MIRO-SILVER	98.16	98.22
MPF	96.78	97.66

Tube 3 meters (10 ft) length x 300 mm (12 in) diameter

Angle 13.8°	Output	MIRO-SILVER Advantage
MIRO-SILVER	0.48	+78%
MPF	0.27	0%

Tube 3 meters (10 ft) length x 300 mm (12 in) diameter

Angle 40°	Output	MIRO-SILVER Advantage
MIRO-SILVER	0.82	+17%
MPF	0.70	0%

Number of Reflections		
13.8°	40 Reflections	78%
40.0°	11 Reflections	17%

Reflectivity-Over-Time-Test - PRIME-SILVER vs. Multi-layer Polymeric Film

Comparison of sustained reflectivity after 150 hours UV-C Exposure

