

# WACHSEN OPTICAL

## Product Specifications ST-10576

**SKU:** 226000

**Spectrum:** High Pressure Sodium (HPS)

**Lens Material:** Polycarbonate

**Lens Curve:** 8-base, decentered

**Frame Material:** TR-90 Nylon - Black

**Contact Points Material:** Hydrophilic rubber

**Frame Size:** 5.25" x 6.5" x 1.75"

**Includes:** Microfiber cleaning bag, eyewear retainer strap and hard case

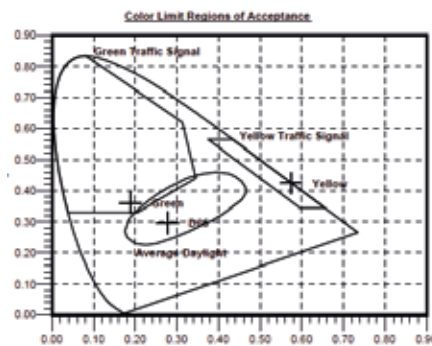
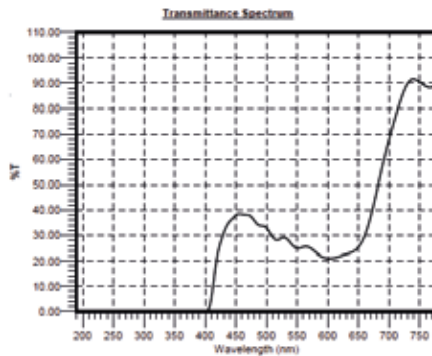


### Description:

The Wachsen Optical Grow lens has been developed to filter 100% of harmful ultraviolet rays while offering light correction of HID grow lights.

### Certifications:

- ANSI Z87.1:  
Drop Ball Test Record: Pass  
Inspection Certificate No. 20191202
- ANSI Z80.3
- ISO 12312-1
- AS/NZS 1067.1
- FDA No. 3003805077



### Standard: ANSI Z80.3:2015

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	26.18%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5748, 0.4230)		PASS
Color Limit, Green(x,y)	(0.1880, 0.3605)		PASS
Color Limit, D65(x,y)	(0.2773, 0.2968)		PASS
Tsig, Red Signal	25.91%	>= 8%	PASS
Tsig, Yellow Signal	23.84%	>= 6%	PASS
Tsig, Green Signal	27.66%	>= 6%	PASS
Tmin (475 - 650nm)	20.97%	>= 5.24% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 3.27% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 26.18% (Tv)	PASS
Tsb (380 - 500nm)	32.69%		

### Standard: EN ISO 12312-1:2013 (A1:2015)

Item	Value	Requirement	Result
Filter Category	2		
Luminous Transmittance Tv	26.20%	18% - 43%	PASS
Incandescent Lights			
Q, Red	0.90	>= 0.80	PASS
Q, Yellow	0.92	>= 0.60	PASS
Q, Green	1.03	>= 0.60	PASS
Q, Blue	1.22	>= 0.60	PASS
Tmin (475 - 650nm)	20.97%	>= 5.24% (0.2Tv)	PASS
Tsuvb (315 - 380nm)	0.00%	<= 13.10% (0.5Tv)	PASS
Tsuv (280 - 315nm)	0.00%	<= 1.31% (0.05Tv)	PASS
Tsb (380 - 500nm)	32.69%		
Road Use and Driving			PASS
Driving in Twilight or At Night	26.20%	Tv >= 75%	NOT SUITABLE

### Standard: AS/NZS 1067.1:2016

Item	Value	Requirement	Result
Lens Category	2		
Luminous Transmittance Tv	26.20%	18% - 43%	PASS
Incandescent Lights			
Q, Red	0.90	>= 0.80	PASS
Q, Yellow	0.92	>= 0.60	PASS
Q, Green	1.03	>= 0.60	PASS
Q, Blue	1.22	>= 0.70	PASS
Tmin (475 - 650nm)	20.97%	>= 5.24% (0.2Tv)	PASS
Tsuvb (315 - 400nm)	0.01%	<= 13.10% (0.5Tv)	PASS
Tsuv (280 - 315nm)	0.00%	<= 1.31% (0.05Tv)	PASS
Tsu (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	32.69%		
Road Use and Driving			PASS
Driving in Twilight or At Night			NOT SUITABLE