

# shat-r-shield<sup>®</sup> INC.

## Plastic-Covered, Shatter-Resistant

# VHO Fluorescent Lamps

Very High Output, 1500ma

UP TO 2 1/2 TIMES  
THE LIGHT OUTPUT  
OF A STANDARD  
FLUORESCENT  
LAMP



VHO lamps operate at higher wattages, burn at higher temperatures and emit up to 2 1/2 times as much light as regular fluorescent lamps. Until now, protective-type VHO lamps have been inadequate at truly providing safety. The plastics used in the past were unable to withstand the high temperatures, especially at the cathode ends, of a VHO lamp. The plastic became brittle, burned and cracked, leaving the protective covering inadequate to contain the glass, phosphors and mercury if the lamp was ever broken.

Shat-R-Shield's VHO/TSC and VHO/LT/TSC type lamps use our patented TSC (TEFLON<sup>®</sup>/Shat-R-Kote<sup>®</sup> Combination) plastic coating process. They are safe and shatter-resistant, because this plastic combination can reliably withstand the extreme temperatures emitted by a VHO fluorescent lamp.

Our VHO/LT/Jacketed lamp uses a shatter-resistant plastic jacket, instead of breakable glass - which is traditionally used.

**VHO/TSC** fluorescent lamps are designed to be used in open luminaires in ambient temperatures above 50°F. They are frequently used for high bay industrial lighting.

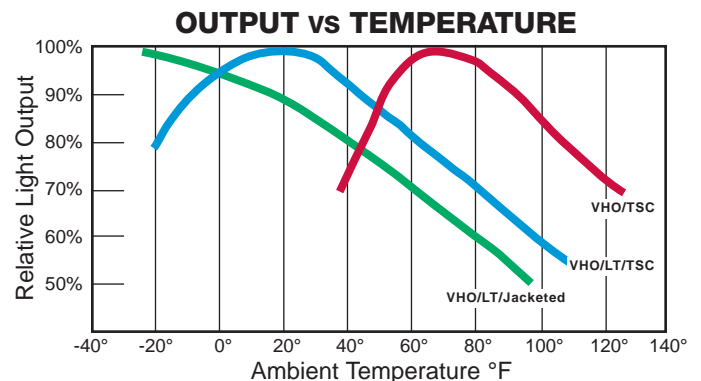
**VHO/LT/TSC** fluorescent lamps are designed to operate in low temperatures ranging from 0°F to 50°F, with their optimal output at temperatures near 32°F. This temperature range makes them ideal for refrigerated areas in grocery and convenient stores and outdoor lighting systems.

**VHO/LT/Jacketed** lamps are encased in a plastic jacket, not glass, for optimal burning conditions and optimal safety. The plastic jacket minimizes bulb cool down and allows the lamp to operate at temperatures from -20°F to 0°F. Typical applications include freezers and cold storage areas where temperatures are kept at or below zero.

Available through:

[www.shat-r-shield.com](http://www.shat-r-shield.com)

*additional information on reverse side*





## Plastic-Covered, Shatter-Resistant VHO Fluorescent Lamps

### VHO/TSC - Very High Output 1500ma fluorescent lamps with TEFLON®/Shat-R-Kote® Combination

These lamps are for use in open luminaires in ambient temperatures above 50°F. They use the TSC (TEFLON®/Shat-R-Kote® Combination) plastic coating process. They are safe and shatter-resistant, because this plastic combination can reliably withstand the extreme temperatures emitted by a Very-High Output fluorescent lamp.

Nominal Watts	Ordering Description	UPC/ Catalog#	Pkg. Qty.	Description	Nominal Length	Rated Average Life (hours)	Initial Lumens	Design Lumens	CRI
110	F48T12/CW/VHO/TSC	76013	15	Cool White, 4100K	48	12,000	7050	4950	62
135	F60T12/CW/VHO/TSC	72013	15	Cool White, 4100K	60	12,000	9000	6300	62
160	F72T12/D/VHO/TSC	75023	15	Daylight, 6500K	72	12,000	9100	6400	79
160	F72T12/CW/VHO/TSC	75013	15	Cool White, 4100K	72	12,000	11,250	7850	62
185	F96T12/CW/VHO/ES/TSC	70015	15	Cool White Energy Saver, 4100K	96	12,000	14,200	9900	62
185	F96T12/LW/VHO/ES/TSC	70065	15	Lite White Energy Saver, 4100K	96	12,000	14,400	10,100	51
215	F96T12/D/VHO/TSC	70023	15	Daylight, 6500K	96	12,000	12,505	8750	79
215	F96T12/WW/VHO/TSC	70033	15	Warm White, 3000K	96	12,000	15,700	11,200	53
215	F96T12/CW/VHO/TSC	70013	15	Cool White, 4100K	96	12,000	15,200	10,700	62
215	F96T12/41U/VHO/ALTO/TSC	70233	15	41 Ultralume, 4100K, ALTO	96	12,000	17,500	16,100	82

### VHO/LT/TSC - Very High Output /Low Temperature 1500ma fluorescent lamps with TEFLON®/Shat-R-Kote® Combination

These lamps are for use in low temperatures ranging from 0°F to 50°F. They use the TSC (TEFLON®/Shat-R-Kote® Combination) plastic coating process. They are safe and shatter-resistant, because this plastic combination can reliably withstand the extreme temperatures emitted by a Very-High Output fluorescent lamp.

Nominal Watts	Ordering Description	UPC/ Catalog#	Pkg. Qty.	Description	Nominal Length	Rated Average Life (hours)	Initial Lumens	Design Lumens	CRI
116	F48T12/CW/VHO/LT/TSC	76563	15	Cool White, 4100K	48	10,000	7000	4900	62
140	F60T12/CW/VHO/LT/TSC	72563	15	Cool White, 4100K	60	10,000	8900	6250	62
162	F72T12/CW/VHO/LT/TSC	75563	15	Cool White, 4100K	72	10,000	11,100	7750	62
212	F96T12/CW/VHO/LT/TSC	70563	15	Cool White, 4100K	96	10,000	14,900	10,400	62

### VHO/LT/Jacketed - Very High Output /Low Temperature 1500ma fluorescent lamps with plastic jacket

These lamps are for use in low temperatures -20°F to 0°F. They are encased in plastic jackets for optimal burning conditions and optimal safety. The plastic jacket minimizes bulb cool down and allows the lamp to operate efficiently at low temperatures.

Nominal Watts	Ordering Description	UPC/ Catalog#	Pkg. Qty.	Description	Nominal Length	Rated Average Life (hours)	Initial Lumens	Design Lumens	CRI
116	F48T12/CW/VHO/LT/Jacketed	76567	12	Cool White, 4100K	48	10,000	7000	4900	62
140	F60T12/CW/VHO/LT/Jacketed	72567	12	Cool White, 4100K	60	10,000	8900	6250	62
162	F72T12/CW/VHO/LT/Jacketed	75567	12	Cool White, 4100K	72	10,000	11,100	7750	62
212	F96T12/CW/VHO/LT/Jacketed	70567	12	Cool White, 4100K	96	10,000	14,900	10,400	62

Shat-R-Shield, Inc. 1-800-223-0853 [www.shat-r-shield.com](http://www.shat-r-shield.com)

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