



# LightSources



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#### DISCLAIMER

The data in the following pages is for comparison purposes only! The results will vary by individual bed or booth design calculations of exposure times (Te) were provided for the customer's convenience using CDRH guidelines set forth in 21 CFR 1040.20 Light Sources, Inc. assumes no responsibility for the use of these calculations in setting proper timer intervals or exposure schedules for any tanning product.



## About LSI



For more than 20 years, LightSources has been one of the leading developers of innovative tanning lamp technologies.

In the early 1980s, when the tanning industry was looking for better performance and longer life from a tanning lamp, LightSources was the first to offer the 4.2, 5.0, 6.5, 7.5 and 8.5 lamps.

LightSources was one of the first manufacturers to offer a variety of tanning lamp strengths to suit a variety of skin types and customer preferences.

Today LightSources continues to bring innovative technologies and advanced engineering into the tanning industry.

LightSources has been recognized as one of the worldwide leaders in the design and manufacture of application-specific lamps for more than two decades. LightSources combines advanced manufacturing technology with traditional craftsmanship to produce high-quality lamps that exceed most performance expectations – even in the harshest operating environments.

With production facilities on two continents, LightSources has the ability to respond to a customers' global needs both quickly and effectively. We control the production of our glass tubes at the factory of our European partner, LightTech, therefore we are able to manufacture lamps with the finest quality glass available.

## How We Tan

# How We Tan

Over a century ago it was discovered that invisible light rays in the ultraviolet region of the light spectrum caused the skin to darken. As scientists studied ultraviolet light, they divided this region into three groups, UVA (320-400 nm), UVB (280-320 nm), and UVC (200-280 nm). Nanometers, or nm for short, define the wavelength of the ultraviolet light; one nanometer is about 1/100,000 the thickness of a human hair.

The primary effect of UVA light on the skin is called pigmentation, or darkening of the skin. The primary effect of UVB on the skin is called erythema, or reddening of the skin.

Erythema begins shortly after exposure to UVB, and varies depending upon the intensity and length of the exposure. How much redness is also determined by how much UVB is coming from which wavelengths; for example, UVB at 290 nm produces 100 times more erythema than UVB at 320 nm! At the same time as erythema is taking place, the UVB causes melanin to form just beneath the surface of the skin. The melanin is oxidized and turned brown by the UVA rays given off by the tanning lamps.

Thus the tanning process involves the relatively quick reddening of the skin, followed by a slower forming, but longer lasting browning of the skin. Without some exposure to UVB rays, the tanning process cannot take place. The key is providing sufficient amounts of UVB to properly stimulate melanin, followed with effective amounts of UVA to complete the tanning process.

Reddens skin  
(erythema) and forms  
"melanin" in the skin  
(Melanogenesis)



Faint reddening of skin = 1 MED  
(Minimal Erythema Dose)



Faint tanning of skin = 1 MMD  
(Minimal Melanogenic Dose)

Tans skin by changing  
the color of "melanin"  
through oxidization  
(Pigmentation)



# Aurora Series™

Superior tanning results, top quality craftsmanship, combined with superb reliability and performance are the exact qualities that distinguish the Aurora Series lamps as the top lamp brand nationwide.

Your tanning equipment is only as good as the lamps you use in it. Aurora lamps were designed for salon owners who want to build a successful business reputation. It's a simple equation: build salon owners a lamp that will keep their own customers coming back, and they'll always come back for the same lamp.

Aurora series lamps contain only the highest quality phosphors and superior specialty glass manufactured specifically for only the tanning industry. It was the first lamp series to offer a 4.2, 5.0, 6.5, 7.5, and 8.5 percent lamps to the industry, which allows salon owners to cater their salon to their clientèle.

Aurora's product line is deep. It holds multiple options for every salon and every application in the industry. From the Morning Sun for fair skinned clients and new tanners, to the Equator sun for seasoned clients, Aurora has a beautiful tan for anyone.

Best of all, Aurora lamps deliver superior color and deep, dark tans on a consistent, measurable basis. In the tanning industry, salons recognize one key is to keep the customers they have, and then get them to tell someone else about the wonderful tan your salon gives them. Aurora lamps do that every time.

Salon owners recognize the value of a premium lamp sold at a reasonable price. They choose these lamps to grow their business and increase their profits.

## Aurora Series

# Morning Sun™

Wake up to a gentle touch and relaxing feel with Morning Sun Lamps. Morning Sun is fair skin friendly and perfect for skin-type 1 clients new to indoor tanning. Experience superior melanin production and oxidation with minimal reddening. Available in HO, VHO, and reflector variations.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>							
Typical Bed Irradiance 14 MW							
0749	F59/HO/BP	80	1200	2.6	21.2	21	25
0751	F71/HO/BP	100	1200	2.6	25.5	21	25
0753	F72/HO/RDC	100	1200	2.6	25.5	21	25
0755	F73/HO/RDC	100	1200	2.6	26.7	21	25
<i>HO Reflector</i>							
Typical Bed Irradiance 20 MW							
0757	FR59/HO/BP	80	1000	2.6	23.0	15	19
0759	FR71/HO/BP	100	1000	2.6	28.7	15	19
<i>VHO Reflector</i>							
Typical Bed Irradiance 28 MW							
0760	FR71/VHO/BP	160	800	2.6	35.6	11	15



# Dual Sun™

Years ago LightSources recognized a need for innovation in the tanning industry. Dual Sun fills the need with a patented coating method of one strength for the body, and a slightly higher one for the face. Dual Suns' enhanced facial phosphor coating extends throughout the facial area of the lamp's surface. The XL has an extended region of strength, intended for faster response when tanning a clients arms.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>							
Typical Bed Irradiance 14 MW							
0870	F71/HO/BP	100	1200	6.5/ 5.0	24.0	11	15
0872	F73/HO/RDC	100	1200	6.5/ 5.0	24.0	11	15
0637	F71/HO/BP XL	100	1200	6.5/ 5.0	24.0	11	15
<i>HO Reflector</i>							
Typical Bed Irradiance 20 MW							
0871	FR71/HO/BP	100	1000	6.5/ 5.0	25.7	7	11
0873	FR73/HO/RDC	100	1000	6.5/ 5.0	25.8	7	11



## Aurora Series

# Midday Sun™

### Did you know?

It's a good idea to change starters at every other lamp change to ensure optimal performance. To save money, go with an electronic starter. The difference is only about \$1 each and 1 million starts!

This lamp perhaps defines the word eloquence. Perfect for a type 2 or 3 tanner, the Midday Sun is an all around best bet for tanners looking for more color than the Morning Sun offers. Matched to the needs of most tanning clients, the Midday Sun is considered a bronzer, but packs enough UVB for more immediate results.



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<b>HO Standard</b>		<b>Typical Bed Irradiance 14 MW</b>					
0700	F59/HO/BP	80	1200	5.0	20.5	13	17
0702	F71/HO/BP	100	1200	5.0	25.6	13	17
0704	F72/HO/RDC	100	1200	5.0	25.6	13	17
0706	F73/HO/RDC	100	1200	5.0	25.6	13	17
<b>HO Reflector</b>		<b>Typical Bed Irradiance 20 MW</b>					
0708	FR59/HO/BP	80	1000	5.0	21.6	9	13
0709	FR71/HO/BP	100	1000	5.0	27.0	9	13
0713	FR73/HO/RDC	100	1000	5.0	27.0	9	13
<b>VHO Standard</b>		<b>Typical Bed Irradiance 20 MW</b>					
0701	F59/VHO/BP	140	800	5.0	22.9	7	11
0703	F71/VHO/BP	160	800	5.0	28.7	7	11
0705	F72/VHO/RDC	160	800	5.0	28.7	7	11
0707	F73/VHO/RDC	160	800	5.0	28.7	7	11
<b>VHO Reflector</b>		<b>Typical Bed Irradiance 28 MW</b>					
0990	FR59/VHO/BP	140	800	5.0	26.9	7	11
0710	FR71/VHO/BP	160	800	5.0	33.6	7	11
0712	FR72/VHO/RDC	160	800	5.0	33.6	7	11
0714	FR73/VHO/RDC	160	800	5.0	33.6	7	11

## Aurora Series

# Beach Sun™

**Did you Know?**  
 HO lamps do not require any break in time before they are at full output. However, VHO lamps should be operated for at least 5 hours initially, in order to distribute the mercury properly.

Hang Loose and ride a wave ahead of the competition with Beach Sun lamps! Serious tanners love the power and performance of Beach Sun. Give your tanners an all-over sexy glow and faster results! Beach Sun is ideally suited for Type 3 or higher base tans and can enhance color to perfection. Looking good is important, with Beach Sun it's easy. Join the tidal wave to Beach Sun!



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Max.
<b>HO Standard</b>		<b>Typical Bed Irradiance 14 MW</b>				
0715	F59/HO/BP	80	1200	6.5	19.2	11
0266	F60/HO/BP	80	1000	6.5	19.2	11
0717	F71/HO/BP	100	1200	6.5	24.0	11
0719	F72/HO/RDC	100	1200	6.5	24.0	11
0721	F73/HO/RDC	100	1200	6.5	24.0	11
1553	F73/HO/RDC	120	1200	6.5	24.0	11
<b>HO Reflector</b>		<b>Typical Bed Irradiance 20 MW</b>				
0723	FR59/HO/BP	80	1000	6.5	20.6	7
0724	FR71/HO/BP	100	1000	6.5	25.7	7
0726	FR73/HO/RDC	100	1000	6.5	25.7	7
<b>VHO Standard</b>		<b>Typical Bed Irradiance 20 MW</b>				
0716	F59/VHO/BP	140	800	6.5	22.2	5
0718	F71/VHO/BP	160	800	6.5	27.8	5
0720	F72/VHO/RDC	160	800	6.5	27.8	5
0722	F73/VHO/RDC	160	800	6.5	27.8	5
<b>VHO Reflector</b>		<b>Typical Bed Irradiance 28 MW</b>				
1590	FR59/VHO/BP	140	800	6.5	26.1	6
1091	FR71/VHO/BP	160	800	6.5	32.6	6
0727	FR73/VHO/RDC	160	800	6.5	32.6	6



## Aurora Series

# Nevada Sun™

Nevada Sun is a unique lamp that gives tanners a deep dark russet brown color. This hot lamp is for serious tanners who want to feel the power when they tan. Nevada Sun gives an intense tan and beautiful color. You'll see and feel the results.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
0728	F59/HO/BP	80	1200	7.5	18.7	9	13
0730	F71/HO/BP	100	1200	7.5	23.4	9	13
0732	F72/HO/RDC	100	1200	7.5	23.4	9	13
0734	F73/HO/RDC	100	1200	7.5	23.4	9	13
<i>HO Reflectors</i>				Typical Bed Irradiance 20 MW			
0821	FR71/HO/BP	100	1000	7.5	25.6	5	9
<i>VHO</i>				Typical Bed Irradiance 20 MW			
0733	F72/VHO/RDC	160	800	7.5	27.8	4	8
0735	F73/VHO/RDC	160	800	7.5	27.8	4	8

# Equator Sun™

This is the ticket to paradise. For serious tanners only, Equator Sun offers tanners a tropical experience and darker results. Specifically for Type 3 with a good base tan, this lamp results in the darkest tan available for short session times.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 20 MW			
0738	F59/HO/BP	80	1200	8.5	19.2	6	11
0974	F71/HO/BP XL	100	1200	8.5	24.0	6	11
0742	F72/HO/RDC	100	1200	8.5	24.0	6	11
0975	F73/HO/RDC XL	100	1200	8.5	24.0	6	11
1162	F74/HO/RDC	100	1000	8.5	24.0	6	11
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
0741	F71/VHO/BP	160	800	8.5	27.4	3	7
0743	F72/VHO/RDC	160	800	8.5	27.4	3	7
0745	F73/VHO/RDC	160	800	8.5	27.4	3	7

# Signature Series™

After years of research and development, Light Sources created the Signature Series HOR (High Output) and VHOR (Very High Output) lamps, which are recognized clearly as the longest-lasting, best tanning reflector lamps in the market today.

Signature Series lamps have become just that—a signature that salon owners can stamp on their clients. Signature Series lamps deliver gorgeous, all-around even tans in less time. They emit more total UV than other lamps, and maintain that higher output performance for longer! This provides tanners with a deep, golden tan consistently over time.

In order to offer salons a signature tan, Light Sources engineers needed to create a lamp with the highest quality materials that will withstand the constant pressure of hard driving applications.

Unique heat shields and cathode guards are upgrades that come standard in these lamps. They provide for longer lamp life and minimal end darkening.

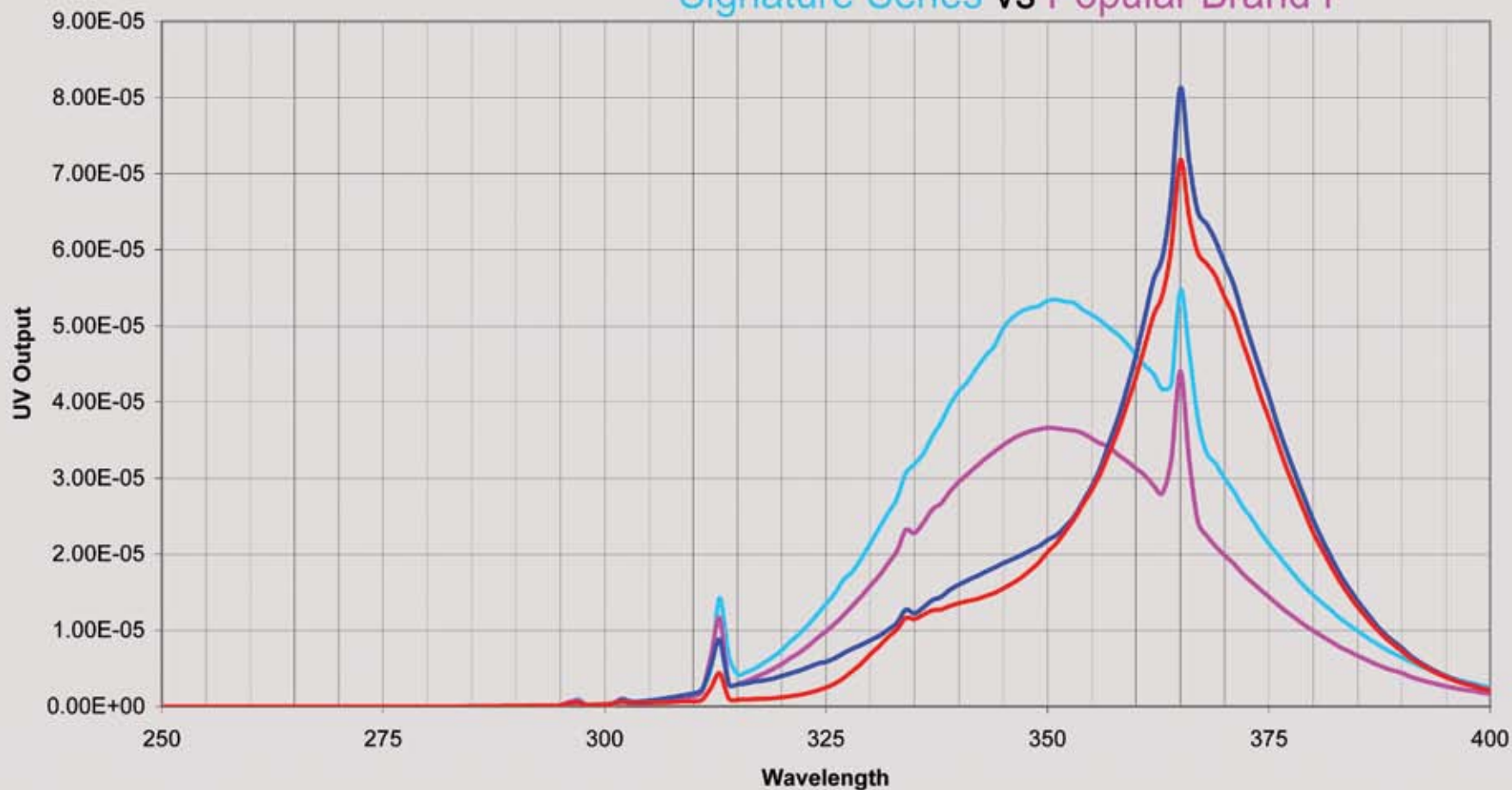
Also, the uniquely enhanced phosphor blends in Signature Series lamps rise to full UV output faster than other lamps. This means tanners will be tanning at full efficiency for longer than is even possible with any other lamp. More minutes at full exposure strength equals a better tan! Better tans equal return customers for salon owners!



# Signature Series

## LightSources

Signature Series A- Power vs Popular Brand C  
And  
Signature Series vs Popular Brand I



Signature Series Popular Brand I Signature Series A-Power Popular Brand C

## Signature Series

# Signature Series™

### Did you Know?

A simple layer of dust on tanning lamps and reflectors can reduce UV output by as much as 10%. In addition dust reduces airflow in tanning equipment, driving equipment temperatures up and driving lamp UV output down.

If salon owners want to give their clients a signature tan, then Signature Series is their lamp. Signature Series lamps provide salon owners with improved quality that results in longer life and better tans from a reflector lamp. These lamps offer the highest quality phosphor blending and processes, and unique heat shield and cathode guards for optimal performance and minimal end darkening.

Signature Series series lamps are also built to last. They emit more total UV while maintaining their higher output for longer than any other lamp. As a result, Signature Series offers tanners a higher UVA output. They provide your clients a full efficient tan for a longer time with a deeper, bronzing tan for your clients.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Reflectors</i>				Typical Bed Irradiance 20 MW			
1150	FR59/HO/BP	80	1200	3.0	22.5	14	16
1152	FR71/HO/BP	100	1200	3.0	28.2	14	18
1156	F73/HO/RDC	100	1200	3.0	28.2	14	18
1589	FR78/HO/2M	120	1000	3.0	33.8	14	18
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
1514	F71/VHO/BP	160	800	5.3	34.3	7	11
<i>VHO Reflectors</i>				Typical Bed Irradiance 28 MW			
1151	FR59/VHO/BP	140	800	3.2	30.6	8	12
1154	FR71/VHO/BP	160	800	3.2	38.2	8	12
1522	FR71/VHO/5.0/BP	160	800	5.1	37.3	5	9
1149	FR73/VHO/RDC	160	800	3.2	38.2	8	12
1561	FR74/VHO/RDC	165	800	3.2	38.2	8	12
1441	FR71/VHO/DS	160	800	3.2	40.1	8	12
1417	FR71/VHO/200	200	800	3.2	43.9	7	11
1155	FR71/VHO/RDC	160	800	3.2	38.2	8	12
1412	FR78/VHO/2M	180-200	800	3.2	45.8	8	12
1996	FR78/VHO/5.0/2M	180-200	800	5.0	44.8	5	9



## Signature Series

# Signature Series Plus™

Signature Series Plus lamps provide salon owners with the same improved quality as the Signature Series, one that results in longer life and better tans from a reflector lamp. Signature Series Plus offers tanners a higher UVA output, and boosts UVB for tanners who want more immediate color. They also emit more total UV while maintaining a higher output for longer than any other lamp.

Signature Series Plus lamps are built to last. They retain all the highest quality phosphor blending and processes, plus unique heat shield and cathode guards for optimal performance and minimal end darkening.



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<b>HO Reflectors</b>				<b>Typical Bed Irradiance 20 MW</b>			
1789	FR42/HO/BP	100	1000	3.5		For Legacy™ Leg Series	
1390	FR71/HO/BP	100	1200	3.6	29.8	12	16
1407	F73/HO/RDC	100	1200	3.6	29.8	12	16
<b>VHO Reflectors</b>				<b>Typical Bed Irradiance 28 MW</b>			
1300	FR59/VHO/BP	140	800	3.9	29.6	7	11
1299	FR71/VHO/BP	160	800	3.9	37.1	7	11
1386	FR71/VHO/RDC	160	800	3.9	37.1	7	11
1212	FR72/VHO/RDC	160	800	3.9	37.1	7	11
1206	FR73/VHO/RDC	160	800	3.9	37.1	7	11
1518	FR78/VHO/2M	180-200	800	3.9	44.5	7	11

## Signature Series

# Signature Series HP™

With A-Line Technology



Signature Series HP with A-Power technology is an expected successful maturation in VHO reflector technology. With the advent of Signature Series HP with A-Power technology, Light Sources has created a stable lamp, which lasts longer, and produces an effect similar to a High-Pressure tanning lamp.

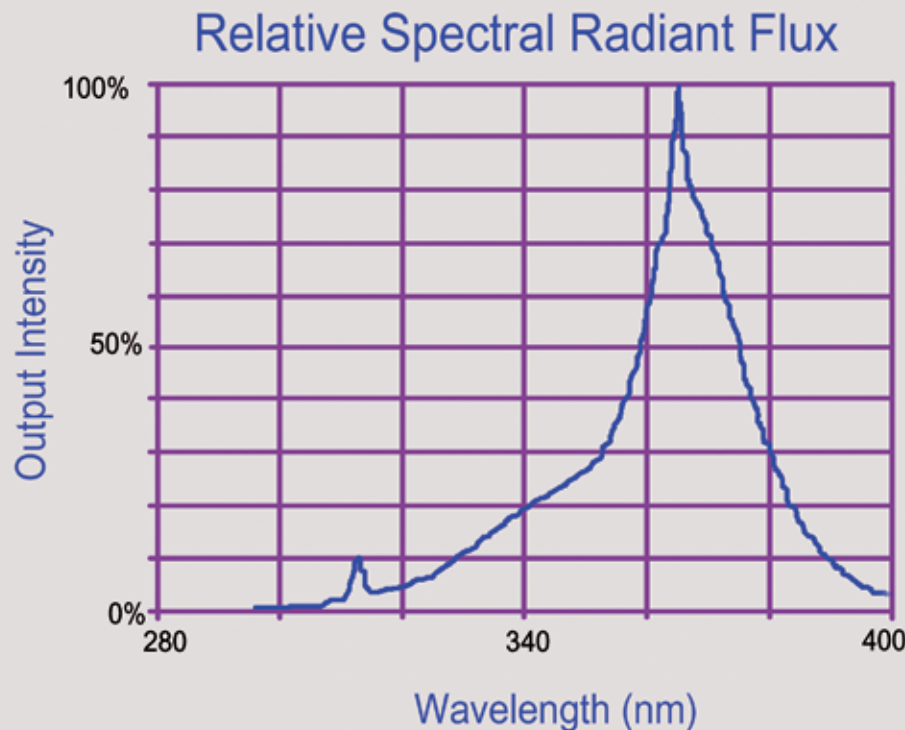
In the world of high-pressure tanning, two constants remain: tanners want bronzing in less time, and salon owners want energy efficient lamps for their salon equipment. HP offers salon owners a stable lamp able to withstand constant high-pressure. It utilizes a special blend of UVA phosphors for a complete bronzing experience. Signature Series HP gives tanners the instant color they need directly after their session, and serious bronzing for hours after they leave the salon. The desired effect of a deeper, darker tan is achieved well after the tanning session.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Reflectors</i>				Typical Bed Irradiance 20MW			
1565	FR71/HO/BP	100	1200	2.2	29.5	15	19
<i>VHO Reflectors</i>				Typical Bed Irradiance 28 MW			
1566	FR59/VHO/BP	140	1000	2.7	31.7	9	13
1554	FR71/VHO/BP	160	1000	2.7	39.6	9	13
1569	FR73/VHO/RDC	160	1000	2.7	39.6	9	13
1582	FR75/VHO/1.9M	220	800	2.7	39.6	9	13
1568	FR78/VHO/2M	180-220	1000	2.7	47.5	9	13



### Heavy-duty Technology For High-Power Use

For more than 20 years, LightSources has been one of the leading developers of innovative tanning lamp technologies. We were one of the first to offer a variety of tanning lamp strengths with enough choices to suit a variety of skin types and customer preferences. That development led to A-Power Technology for high-powered lamps.



- A special blend of UVA phosphors used to create a premium tanning lamp designed for high-powered heavy use.
- Produces a more stable longer lasting lamp.
- Produces a tanning effect similar to high-pressure lamps.
- Highly energy efficient.

Signature Series

# Signature Series SGT™

With Sol Glass Technology

The most significant innovation  
in tanning since the sun.

Through the combined R&D efforts of their U.S. headquarters in Connecticut and LightTech, their European partner, LightSources has developed SolGlass™ Technology to create the most effective tanning lamps available.

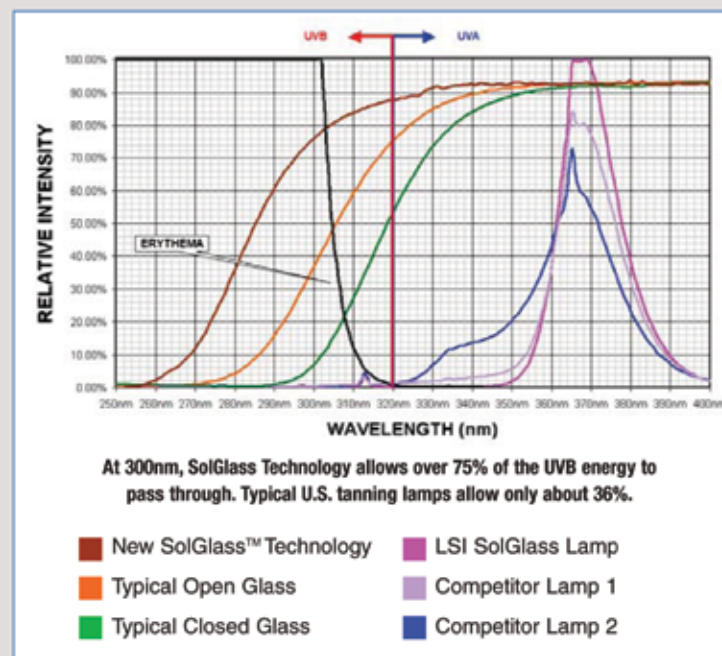
Most glass tubes used in tanning lamps are exactly the same as those used in fluorescent bulbs, and are inherently designed to filter out UV rays. Since they are so inefficient when it comes to UV transmission, they need to be loaded up with both power (wattage) and UV phosphors to have a noticeable effect on the skin. The “over powering” required to blast enough UV rays through the glass tube’s built-in filter is the main factor that degrades a conventional lamp’s performance and operating life. With SolGlass™ Technology in your tanning lamps, you can provide the most satisfying tanning experience available.





## Signature Series

- SolGlass Technology is based on a combination of a newly developed glass tube and a proprietary phosphor blend.
- This new glass allows for more effective and efficient UV transmission – especially at the wavelengths that create the greatest tanning effect.
- Due to the efficient UV transmission, SolGlass Technology incorporates an innovative mix of the UV phosphors that have the most tanning impact on the skin.
- Narrow-Band UVA for immediate coloring
  - Short-wavelength UVA for persistent pigmentation
- This unique combination of “open” glass and innovative phosphor mix provides the most effective UVB spectrum and highest UVA readings than any other lamp in the industry.



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>VHO Reflectors</i>				Typical Bed Irradiance 28 MW			
1813	FR71/VSS/SGT	160	1000+	1.0	39.6	9	13
1861	FR78/VHO/SGT/2M	180-200	1000+	1.0	47.5	9	13

## Select Series

# LSI Select™

The Select Series lamps were specifically manufactured for a direct compatibility replacement for the Wolff Speed 175™, Speed 205™, and Speed 215™ tanning lamps. The Select Series Reflector is a compatible replacement for Speed 225R™, 256R™, and Speed 175R™.

What resulted was a better overall tanning lamp than was expected. The Select and Select reflector have the strength and power to satisfy most tanners needs.

Made with the same premium glass and phosphor blend as other Light Sources lamps, the Select is a perfect replacement lamp for specific systems.

# SELECT



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>VHO Reflectors</i>				Typical Bed Irradiance 28 MW			
1457	F71/HO/BP	100	1000	3.8	26.0	17	21
1456	FR71/HO/BP	100	1000	4.6	26.0	10	14

™Speed is a registered trademark of it's respected owner.



## Application Specific

# LSI Soft Facial™

Facial tanning is important to those who prefer all around coverage, and the LSI Soft Facial gives results. This reflector is for higher intensity applications. The Soft Facial offers high performance, deep dark tans, and excellent value.

Part #	Description	Watt	Rated	Life Applications
<i>Soft Facial</i>				
1552	FR/18T8/BL	25-40	800	Exclusively for Sundash™ Units

# Leg Tanner Lamps™

LSI offers a Signature Series Plus reflector lamp manufactured exclusively for the Legacy™ Leg tanner unit, providing salon leg tanner clients with the same superior lamp as a full lay down or stand up unit. For the Classic Legs leg tanner, LSI created the ERS Sol, delivering powerful results from a proven lamp line. Leg bronzing power, only from LSI!

Part #	Description	Watt	Rated	Life Applications
<i>Leg Tanner</i>				
1789	FR42/Signature	100	1000	Exclusively for Legacy™ Leg Tanner
2000	FR36/BP/5.0	65	800	Exclusively for Classic™ Leg Tanner
1999	F36/BP/5.0	65	800	Exclusively for Classic™ Leg Tanner

# Brilliance Advanced Bronzing System™

Premium results at an affordable price. The Brilliance Bronzer series casts a long, golden shadow on the competition in both standard and reflector applications. The highest quality phosphors, combined with a special gas mixture allow for approximately a 25% increased output. These special bronzing lamps are available in a variety of sizes as well as HO and VHO types.

LSI extends superior quality manufacturing to the Brilliance Advanced Bronzing System. It incorporates only the highest quality glass tubes, which are manufactured specifically for the tanning industry. The highest quality phosphor blending and a specific gas mixture highlight this lamp series as a premium option.

We all know there is a difference in results with lamps, but there doesn't have to be a difference in price. With the Brilliance Bronzer, LightSources has brought a lamp to the market which handily outperforms other popular competitors, and adds to profits with a pretty price.





## Brilliance Advanced Bronzing System

# Bronzer 120™

The Brilliance Bronzer is a 5.0, 120 watt premium bronzing lamp. It is a perfect replacement lamp for tanning beds that call for a 120 watt lamp, and is still the best in other 100-watt High Output applications. Built with superior glass tubes and the highest quality phosphor blending, this lamp packs added value to salon owners simply because it costs less than other popular competitors, and consistently offers tanners deep bronzing results.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Reflectors</i>				Typical Bed Irradiance 20 MW			
1963	F59/HO/BP	80	1000	5.3	20.5	13	17
1964	F71/HO/BP	120	1000	5.3	25.6	13	17
1965	F73/HO/RDC	120	1000	5.3	25.6	13	17

# Active Bronzer 7.0™

The Active Bronzer is for the salon owner who loves the overall performance of the Brilliance Bronzer, but is looking for increased results. The Active Bronzer adds about twenty percent more output compared with the Bronzer by increasing the UVB for more immediate results, but still offers an abundant amount of UVA for a dark bronzing finish.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
0881	F59/HO/BP	80	1000	6.4	19.2	11	15
0868	F71/HO/BP	100	1000	6.4	24	11	15
0869	F73/HO/BP	100	1000	6.4	24	11	15
<i>HO Reflector</i>				Typical Bed Irradiance 20 MW			
1969	FR71/HO/BP	100	1000	6.6	25.7	7	11
1970	FR73/HO/RDC	100	1000	6.6	25.7	7	11

## Brilliance Advanced Bronzing System

# Supreme Bronzer™

Supreme Bronzer is a 10-minute lamp that simply delivers bronzing results. Paired with a very high UVB content, this HO non-reflector bronzer has superior staying power versus other competitors, and offers clients the curb appeal of instant action.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
1971	F59/HO/BP	80	1000	8.2	19.2	6	11
1972	F71/HO/BP	100	1000	8.2	24.0	6	11
1973	F73/HO/RDC	100	1000	8.2	24.0	6	11

# Euro Power Bronzer™

Euro Power Bronzer combines the highest quality phosphors available with premium glass tubes and reflector hardware, delivering salon owners serious value and tanners serious results.

As a result of superior European manufacturing, Supreme Bronzer allows a higher level of UV to reach the tanner, which results in repeat customers who love power bronzing. Salon owners will agree, it's hard to find a quality VHOR lamp with lasting results, but the Supreme Bronzer is the exception. Built with quality in mind, this lamp will outperform and outlast other reflector lamps hands down.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
1974	FR59/HO/BP	80	1000	3.0	22.5	14	18
1975	FR71/HO/BP	100	1000	3.0	28.2	14	18
<i>VHO Reflector</i>				Typical Bed Irradiance 28 MW			
1976	FR59/VHO/BP	140	800	3.2	30.6	8	12
1977	FR71/VHO/BP	160	800	3.2	38.2	8	12
1978	FR71/VHO/BP	160	800	5.1	37.3	5	9



# Brilliance Series™

Brilliance lamps were developed to give salon owners a long-lasting, high-performance replacement lamp for many OEM lamps. Brilliance lamps give superior tanning results and their quality is unsurpassed!

For over five years, thousands of salon owners re-lamp their equipment with Brilliance lamps because they tan incredibly well, and they have the best quality. New lamps have been added to this spectacular line, providing salon owners with a full line of brilliant tanning lamps.

Brilliance Series lamps add value to your salon without sacrificing performance. In a time when economics sometimes speak the loudest, Brilliance Series lamps are able to transcend difficult lamp changes during the off-season into profitable value.

Strong, solid results define the Brilliance series lamps. They are durable High Output and Very High Output lamps that are compatible to many different lamp brands.

Available in all standard popular sizes and strengths, Brilliance lamps offer salon owners a reliable lamp for a reasonable price.

## Brilliance Series

# Brilliance 5.0™

The Brilliance Series lamps are the most economical option on the tanning lamp market. Brilliance lamps still offer the same quality craftsmanship and reliable phosphors while maintaining standard lamp life. Brilliance 5.0 offers tanners an exceptional value. It combines an acceptable amount of UVB while delivering enough UVA for excellent pigment darkening.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
0881	F59/HO/BP	80	800	5.0	20.5	13	17
0824	F71/HO/BP	100	800	5.0	25.6	13	17
0825	F73/HO/RDC	100	800	5.0	25.6	13	17
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
0984	F72/VHO/RDC	160	600	5.0	28.7	7	11
0987	F73/VHO/RDC	160	600	5.0	28.7	7	11

# Brilliance 6.5™

If you like the performance of the Brilliance 5.0 but want faster results, the Brilliance 6.5 is the answer for you. These lamps are best in applications where value in a lamp is needed without sacrificing quality. Brilliance 6.5 has more UVB for quicker skin reddening and the same UVA for excellent pigment darkening.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>VHO Standard</i>				Typical Bed Irradiance 14 MW			
0881	F59/HO/BP	80	800	6.5	19.2	11	15
0868	F71/HO/BP	100	800	6.5	24.0	11	15
0869	F73/HO/BP	100	800	6.5	24.0	11	15
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
0985	F72/VHO/RDC	160	800	6.5	27.8	5	9
0988	F73/VHO/RDC	160	800	6.5	27.8	5	9



## Brilliance Series

# Brilliance 8.5™

Brilliance 8.5 is an exceptionally fast, hot lamp for use by experienced tanners only. It's high UVB content is intended for skin type's 3 or higher! High quality phosphor blending allows Brilliance 8.5 extended lamp life over other economical lamps.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Standard</i>				Typical Bed Irradiance 14 MW			
0885	F59/HO/BP	80	800	8.5	19.2	6	11
0862	F71/HO/BP	100	800	8.5	24.0	6	11
0861	F73/HO/RDC	100	800	8.5	24.0	6	11
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
0984	F72/VHO/RDC	160	600	8.5	27.4	4	8
0987	F73/VHO/RDC	160	600	8.5	27.4	4	8

# Brilliance Cheetah 9.5™

Our fastest lamp! Brilliance Cheetah has an unusually high UVB content and ultra fast, immediate results. Get a brilliant tan in less than 10 minutes! For skin type's 3 or higher only.



Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>VHO Standard</i>				Typical Bed Irradiance 20 MW			
1564	F59/HO/BP	80	800	9.5	19.8	5	9
1488	F71/HO/BP	100	800	9.5	24.8	5	9
1489	F73/HO/RDC	100	800	9.5	24.8	5	9
1490	F74/HO/RDC	100	800	9.5	24.8	5	9

## Brilliance Series

# Brilliance EuroPower™

Brilliance EuroPower is a superb option when you're looking for an economical reflector replacement for your high-performance tanning beds. Brilliance EuroPower quality phosphors support longer lamp life that rivals other premium reflectors. Brilliance EuroPower also boasts compatibility to many popular premium brands.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Reflectors</i>				Typical Bed Irradiance 20 MW			
1478	FR59/HO/BP	80	800	3.1	23.0	15	19
1480	FR71/HO/BP	100	800	3.1	28.7	15	19
<i>VHO Reflectors</i>				Typical Bed Irradiance 28 MW			
1479	FR59/VHO/BP	140	750	3.4	28.5	11	15
1481	FR71/VHO/BP	160	750	3.4	35.6	11	15

# Brilliance Supreme™

Brilliance Supreme is an excellent option for certain tanning beds that call specifically for a 120 watt lamp. This lamp contains a quality -specific phosphor mix dually designed to support long lamp life, while offering super results. For an overall golden glow in a standard tanning lamp, Brilliance Supreme is the lamp of choice.

Part #	Description	Watt	Rated Life	UVB%	UVA	TE Min.	TE Max.
<i>HO Reflectors</i>				Typical Bed Irradiance 20 MW			
0846	F73/HO/RDC	120	1000	5.3	25.6	13	17



## Maintaining Performance

Once you've purchased your Light Sources sunlamps, it's important to keep them operating at their highest performance levels. There are many factors that go into sunlamp performance, and keeping track of all of your beds and their corresponding lamps can be hectic. Keeping a journal notebook for each room helps keep it all straight and reduce confusion.

Here are a few things to keep in mind before setting up a room Journal.

**Sunlamps experience their sharpest decline in UV output between 50-100 hours.** It is important to keep track of hours usage for each lamp change. Most successful salon owners measure their lamps at regular intervals using a handheld UV meter, to track UV depreciation in the lamps.

**UV Meter:** With that in mind, pick up a UV meter to measure the effectiveness of your tanning lamps throughout their life. Keep in mind it is essential to measure lamp output at the same time of day, on the same day of the week at regular intervals. (Example: Mondays at 12:30, five minutes into session.) Then do the same thing at 100, 200, then 300 hours. Once your lamps experience a thirty percent drop-off in output, lamp effectiveness has waned and it is time to re-lamp.

**Starters:** There are many reasons why a lamp may fail. Old, worn out starters are the main reason for lamp failure. It is recommended you replace lamp starters every other lamp change.

**Acrylics:** A damaged or old acrylic can block up to 30% of UVB. Make sure acrylics are kept clean and replaced at the recommended schedule of the manufacturer.

**Cleaning:** Another way to ensure optimal UV output from your lamps is to keep them clean. Wipe lamps, fans, acrylics, and ballasts free and clear of dust regularly.

**Lamp Disposal:** Hazardous Waste Lamps will be regulated under the Federal Universal Waste Rule. To find out regulations for your state, visit NEMA's (National Electrical Manufacturers Association) Web site at : [www.lamprecycle.org](http://www.lamprecycle.org).

## Quasar Starters



### Quasar™ Starters from LightSources

LightSources Quasar™ now offers starters for all of your low pressure tanning lamps to help optimize lamp performance and long reliable lamp life



3 starters meet virtually all your tanning lamp needs:

- Quasar™ 10 starters for T5 facial/shoulder tanning lamps
- Quasar™ 12 starters for T12 tanning lamps up to 160W
- Quasar™ 16 starters for T12 tanning lamps 160W-180W

- successfully field tested in the tanning market
- 100% ROHS compliant
- UL, CSA, VDE



# May & Christe Ballasts

## Tradition With A Future

Founded over 70 years ago, May & Christe is today one of the most modern and innovative component manufacturers worldwide for the lighting industry.

Astute business decisions and continuous development of the know-how have enabled May & Christe to grow into a healthy company.

Highly qualified employees ensure quality-conscious and market-oriented manufacturing of the products.

## The Focal Points Of The Product Range Are:

- Magnetic ballasts for fluorescent lamps
- Magnetic ballasts for high-pressure discharge lamps
- Ignitors
- Ballasts for special lamps



# Terms and Conditions

**GOVERNANCE OF TERMS:** These terms and conditions constitute an integrated part of any offer made by the companies and shall govern the sale of the goods.

**ACKNOWLEDGEMENT BY SELLER:** Any differing terms in a purchase order that are not expressly approved or acknowledged in writing by the companies will not be considered as part of the Agreement and are hereby objected to.

**PRICES:** Prices listed on price schedules, brochures or catalogs are subject to change without notice.  
**QUOTATIONS:** Unless an expiration date is stated in writing, all prices quoted are effective for 30 days.

**TAXES:** Any sales, use, or manufacturer's tax that may be imposed upon the sale or use of the goods, or any property tax, excise tax, license, or similar fee required under this transaction will be added to the price paid by the purchaser; unless proper exemption documentation has been furnished in advance.

**TERMS OF PAYMENT:** Unless other payment terms are stated in writing, payment is due within the terms stated on the invoice.

**LATE PAYMENTS:** If payments are not made by the due date, interest may be added to any portion of the Purchasers outstanding balance; not to exceed the maximum rate allowed by law.

**ORDER CHANGES OR CANCELLATION:** Orders accepted by the company may not be changed without written notice. Special order cancellations will be subject to a handling charge of 20% of net invoice value.

**DELIVERY:** When the Purchaser requests special delivery terms, the Purchaser is responsible for the terms and conditions of that carrier. Delivery dates are approximate and the company assumes no responsibility for failure to deliver on said date. Discrepancies in shipping must be reported within 5 days of being received.

**DAMAGES:** Must be reported to the carrier immediately and within 48 hours to the company. No credit will be issued if damage has not been noted by the carrier.

**RETURNS:** No goods shall be returned without prior notification. All goods, except for defectives, must be in saleable condition and maybe subject to a restocking fee of 20%. The Purchaser, unless otherwise agreed upon, will pay all shipping charges.

**WARRANTIES/DISCLAIMER:** The Company warrants to the Purchaser that all products and services will be free from defects in materials and workmanship. The companies obligation under this warranty is expressly limited to replacement of merchandise involved, or at its option, refund any amount not to exceed the sales price to the original customer; and only when the defects have not been caused by misuse, neglect, improper installation, alteration or accident. The company makes no warranties other than these set forth herein, and these warranties are in lieu of all other warranties expressed or implied.

In no event shall the company be liable for any loss or use, revenue, profit, or customer, for any indirect, incidental or consequential damages arising out of, connected with, or resulting from the sale of the products or services.

**FORCE MAJEURE:** The Company will make every effort to complete shipment when indicated, but shall not be liable for any loss or damage, delay in delivery, or failure to deliver due to causes beyond its reasonable control including, but not limited, acts of the government or compliance with any government rules and regulations, acts of GOD, civil or military authorities, acts of purchaser, strikes, war or inability of the Company to obtain necessary materials, components, services or facilities. Should a delay occur, the Company may reasonably extend delivery or production schedules or, at its option, cancel the order in whole or part without liability other than to return any unearned deposit or prepayment.

**DESIGNS AND TRADE SECRETS:** Any drawings, data, designs, software programs or other technical information supplied by the Company to Purchaser in connection with the sale of goods shall remain the Company's property and be held in confidence by Purchaser. Such information may not be reproduced or disclosed without prior written consent.

**ASSIGNMENT:** Neither party may assign any rights or obligations under this agreement without the written consent of the other.

**MODIFICATION:** This agreement may not be changed, modified or amended except in writing, signed by authorized representatives of the parties.

**GOVERNING LAW:** The rights and obligations of the parties under this agreement shall be governed by the laws of the State of Ohio.



# Return Policy

- 1) All returns must have an authorized RMA# (Return Materials Authorization Number) assigned to them prior to return of goods. A valid reason must be presented to your Sales Representative to receive an approved RMA # (e.g. defective items). No returns will be accepted without an approved RMA #.

To obtain an RMA #, call your sales representative.

Each return shipment requires a separate RMA #.

All returned product needs to be identifiable by the RMA # on the outside of the master shipper or pallet.

- 2) All returns must include an itemized packing slip with each return that lists case or individual quantities of each item returned. No return will be processed unless our warehouse receives a detailed packing slip from the returning customer.
- 3) All non-defective returns must be returned to us in their un-opened original case packing. All products must be sent back in full cases. Absolutely no credit will be given for items that have been altered from their original selling configuration.
- 4) All non-defective returns will be charged a 20% re-stocking fee and the corresponding shipping fees will be paid by the shipper.
- 5) Credit will be issued based on the lowest price paid by the customer over the last 12 months for each returned item.
- 6) We will continue with the "destroy in field" policy for defective items this year. This must be inspected and approved by the respective Sales Representative before any destroying of product takes place.
- 7) Distributor assumes no responsibility for issuing credit if the returning party is negligent of the instructions stated in this return policy.

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## Lamp Damage and Shipping Policies

All damage must be reported within 48 hours of delivery. Small orders are considered less than 120 lamps and are shipped via UPS. Large orders are shipped via available LTL truck line. Damaged product is never to be discarded in garbage. All damage orders must be available for inspection for no less than one week from the time of delivery.

If orders are shipped via LTL, order must be inspected and damage noted on delivery receipt at time of delivery. Your salesperson must be notified then immediately for claim purposes. Failure to follow damage and claim instructions can result in no claim being filed and items damaged may not be replaced. It is not the responsibility of LTL trucking company to deliver order inside salon.





**LightSources**

ISO 9001 Registered



**ITA**

Indoor Tanning Association, Inc

*[www.LSITanning.com](http://www.LSITanning.com)*

***(800) 247-3251***