



RADIANCE LAMP GUIDE

A woman with long, wavy blonde hair is sitting on a sandy beach, looking out at the ocean. She is wearing a black bikini. The ocean is a deep blue color, and the sky is a lighter blue with some clouds. A yellow diagonal line runs across the top of the image. On the right side, there is a large yellow triangular graphic element.

RADIANCE IS
COMMITTED TO
PRODUCING
PREMIUM
LAMPS

Radiance® BLACK

Radiance® Black delivers the ultimate in dark tanning performance through the use of our exclusive Black Diamond Phosphor Technology. Improve the power of your tanning equipment today! The decision is black... or white.

Item #	Lamp Model	Wattage	Size	End type	Reflector	UVB %	Rated Lifetime	TE	TM
03075	Radiance Black	100	71	Bi-Pin	N	7.0	1200	14-16	35
03076	Radiance Black	100	73	RDC	N	7.0	1200	14-16	35
07075	Radiance Black HQ/R	100/120	71	Bi-Pin	Y	3.9	1200	12-14	33
07076	Radiance Black VHQ/R	160/200	71	Bi-Pin	Y	3.4	800	10-12	27



b l a c k

s e d u c t i v e l y d a r k

A woman with long dark hair, wearing a colorful striped bikini, is posing on a beach. She has her hands behind her head and is looking up towards the sky. The background shows a sunset over the ocean with soft, golden light and clouds. The overall mood is relaxed and summery.

FEEL GOOD
INSIDE AND
OUT WITH THE
POWER OF
TANNING

Why Tan?

Tanning is unique in its ability to make people feel good about themselves inside and out. Many people tan for improved appearance. Relaxation and a sense of well-being are other reasons to tan indoors. Everyone loves the deep, golden brown tan that they achieve from tanning.

Radiance® HP

Created with the salon owner in mind! There is a Radiance® HP lamp to meet the application of most tanning units. Designed for use with complete system integration of filter glass, reflectors, and ventilation, Radiance® HP lamps will exceed expectations!

Why Radiance® HP?

HP = High Pressure, High Performance!

Quality, Performance, and Results!



Item #	Lamp Model	Wattage	Voltage	Size	End type	Rated Lifetime
03060	Radiance HP 400/500	400-500	230V	110mm	Clip In	600
02609	Radiance HP 300-520	300-520	230V	110mm	Plug In	600
02602	Radiance HP 400/500	400-500	230V	110mm	Wire Lead	600
02620	Radiance HP 500	500	230V	110mm	Plug In	600
02615	Radiance HP 520/820	520-820	230V	119mm	Plug In (H)	600
02614	Radiance HP 600/650	600-650	230V	110mm	Plug In	600
02616	Radiance HP 600/650	600-650	230V	144mm	Wire Lead	600
02608	Radiance HP 610	610	230V	129mm	Dual Plug Blade	600
02611	Radiance HP 620 Matrix	620	230V	160mm	Wire Lead	600
02606	Radiance HP 630	630	230V	120mm	Dual Plug Round	600
02610	Radiance HP 1000	800-1000	230V	115mm	Plug In	600
02600	Radiance HP 1000	1000-1400	230V	138mm	Wire Lead	600
02604	Radiance HP 1000	1000-1400	380V	138mm	Wire Lead	600
02612	Radiance HP 1000 Matrix	1000-1400	230V	168mm	Wire Lead	600
02613	Radiance HP 1400 Matrix	1000-1400	230V	168mm	Wire Lead	600
02605	Radiance HP 1510	1450-1510	230V	135mm	Dual Plug Blade	600
02607	Radiance HP 1530	1450-1530	230V	128mm	Dual Plug Round	600
02601	Radiance HP 2000	2000-2400	380V	174mm	Wire Lead	600
02603	Radiance HP 2400	2000-2400	380V	210mm	Wire Lead	600



FINDING
BALANCE

TE and TM

These times give an approximate recommended session lengths that the lamps were intended for.

TE is the time it takes to achieve 4 MED's or a typical tanning session.

TM is the time it takes melanin to oxidize beneath the skin surface, or melanogenesis.

Finding the right lamp with the perfect balance of UVA and UVB can be difficult, especially when you consider your equipment and different skin types. To make your life easier, Radiance® lamps list UVB percentages. Lamp quantity and configuration in your equipment will determine the exposure time.

Radiance® helps you determine the best lamp for your tanning salon by providing TE and TM times for each lamp. Charts are offered throughout the guide to assist you. Also, call your sales representative with questions. They can help you with FDA compatibility sheets and pricing.

A lamp's effective tanning life is approximately 70% of the rated lifetime.

Radiance® R³

Developed exclusively for Hex™ owners as a high performance replacement for the Smart Lamp™. Radiance® R³ is more than smart, it provides balance.

Radiance® R³ provides targeted tanning for each body zone.

Zone 1	UVB% 6.5	Face/Shoulder	Specially blended phosphor and reflector technology provides even, dark tanning.
Zone 2	UVB% 5.0	Body/Torso	Premium tanning phosphor for balanced, bronze tanning.
Zone 3	UVB% 7.5	Legs	Boosted tanning power for deep, dark results.

Hex is a registered trademark of International Tanning Equipment.



Item #	Lamp Model	Size	Wattage	End Type	Reflector	UVB %	Rated Lifetime	Estimated Minutes	
								TE	TM
07048	Radiance R3 VHO/R	74	160-200	RDC	Y	Range	800	10-14	27

A photograph of a young couple embracing on a beach. The woman is in the foreground, smiling broadly, with her arms around the man's chest. The man is behind her, also smiling, with his arms around her. They are both shirtless. The background shows the ocean with waves and a blue sky with light clouds. A large yellow diagonal overlay covers the right side of the image, containing text.

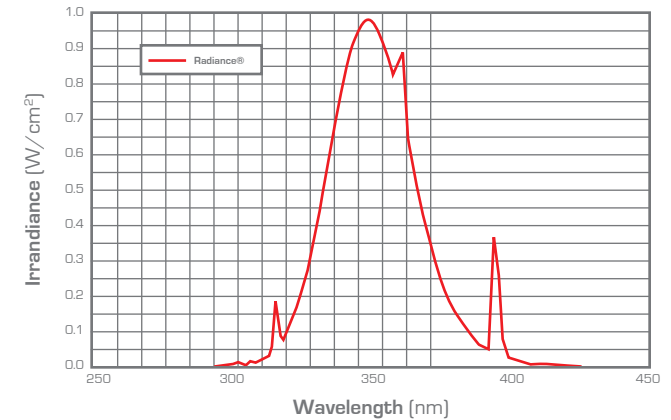
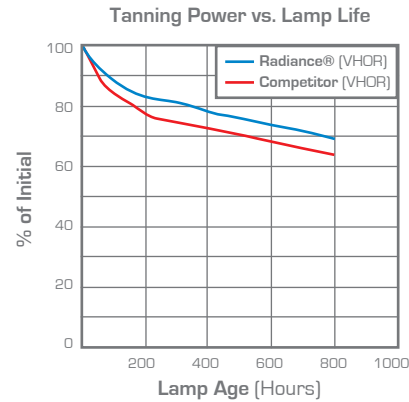
RADIANCE IS THE BEST LAMP IN THE INDUSTRY

Radiance® gives you value and results! Through the use of an exclusive phosphor blend, our lamps maintain performance and UV energy throughout the lifetime of the lamp.

Radiance Rated Lifetime:
1200 HOURS

Radiance® R²

Our proprietary phosphor is perfectly blended to focus UV energy and boost tanning results. Developed to produce the deepest, darkest tans imaginable! All Radiance® R² lamps have a 220° Reflector System, **220° Reflector System** dramatically enhances deep, dark results due to the reflective phosphor inside the R² lamp that gives more intense direction of the UV rays.



Item #	Lamp Model	Size	Wattage	End Type	Reflector	UVB %	Rated Lifetime	Estimated Minutes	
								TE	TM
07042	Radiance R2 HO/R	59	80	Bi-Pin	Y	3.7	1200	12 - 16	33
07043	Radiance R2 HO/R	71	100-120	Bi-Pin	Y	3.7	1200	12 - 16	33
07045	Radiance R2 HO/R	73	100-120	RDC	Y	3.7	1200	12 - 16	33
07050	Radiance R2 VHO/R	59	140	Bi-Pin	Y	3.2	800	10 - 14	27
07051	Radiance R2 VHO/R	71	160-200	Bi-Pin	Y	3.2	800	10 - 14	27
07052	Radiance R2 VHO/R	72	160-200	RDC	Y	3.2	800	10 - 14	27
07053	Radiance R2 VHO/R	73	160-200	RDC	Y	3.2	800	10 - 14	27
07066	Radiance R2 VHO/R	71	160-200	RDC	Y	3.2	800	10 - 14	27
03080	Radiance R2 VHO/R 2M	79	180-200	Bi-Pin	Y	3.2	800	8 - 12	26
07059	Radiance R2 200 Plus+ VHO/R	71	200-235	Bi-Pin	Y	3.2	800	8 - 12	26



RADIANCE
PLUS IS THE
LONGEST
LASTING
LAMP
ON THE
MARKET

Radiance® Plus will improve salon efficiency with fewer relamps, minimal downtime, and less manpower expense.

Which Lamp Would You Rather Use?

The average brand may be cheaper up front, but they cost more per session to operate and generate less revenue over the life of the lamp.

BASED ON A 30-LAMP UNIT, THE RADIANCE® PLUS WILL GENERATE \$6000 MORE IN REVENUE!*

*TRUTH IN ADVERTISING: see next page.

Radiance® Plus

Do you want to make more money and reduce your salon expenses?
Upgrade to Radiance® Plus. Here is why...

Radiance® Plus utilizes an exclusive phosphor to maintain UV energy with a bonus coat to make it the longest lasting lamp on the market!

Radiance® Plus Rated Lifetime is 1500 hours!

See for yourself and compare the average brand of lamps to Radiance® Plus below.

	Average Brand	Radiance® Plus 5000
Price 30 lamp unit (Salon Price)	\$418.50 @ \$13.95/lamp	\$508.50 @ \$16.95/lamp
Average Lamp Hours (70% of rated)	700	1100
Lamp Operating Cost per Hour	\$0.60	\$0.46

	Average Brand	Radiance® Plus 5000
Number of Tanning Sessions (3 per hr.)	2100	3300
Total Revenue (\$5 per Session)	\$10,500	\$16,500



Item #	Lamp Model	Size	Wattage	End Type	Reflector	UVB %	Rated Lifetime	Estimated Minutes	
								TE	TM
07006	Radiance Plus+ 5000R	73	100	RDC	Y	5.0	1200	14 - 18	27
07011	Radiance Plus+ 7000	71	100	Bi-Pin	N	6.5	1500	14 - 18	35
07013	Radiance Plus+ 7000	73	100	RDC	N	6.5	1500	14 - 18	35
07014	Radiance Plus+ 7000R	59	80	Bi-Pin	Y	6.5	1200	12 - 16	26
07015	Radiance Plus+ 7000R	71	100	Bi-Pin	Y	6.5	1200	12 - 16	26
07034	Radiance Plus+ 9000	74	100-120	RDC	N	8.5	1200	10 - 14	31



TAKE
YOUR TAN TO
THE NEXT LEVEL

Radiance[®] R² is the ultimate in high performance, bronzing lamps!



Radiance®

Radiance® is our most popular lamp. Explore your tanning options!



5000	7000	8000	9000	120
Most closely matches the sun's rays.	Most popular for its powerful performance. Engineered to produce immediate color and lasting results.	Intense concentration of UVB that provides immediate color.	Maximum doses of UVB for tanners with skin type 3 or higher.	Designed just for the Sundash 2. Lasts longer and outperforms the standard OEM.

Item #	Lamp Model	Size	Wattage	End Type	Reflector	UVB %	Rated Lifetime	Estimated Minutes	
								TE	TM
07044	Radiance 120	73	120	RDC	N	5.5	1200	14 - 18	37
03000	Radiance 5000	59	80	Bi-Pin	N	5.0	1200	16 - 20	37
03001	Radiance 5000	71	100	Bi-Pin	N	5.0	1200	16 - 20	37
03015	Radiance 5000	72	100	RDC	N	5.0	1200	16 - 20	37
03002	Radiance 5000	73	100	RDC	N	5.0	1200	16 - 20	37
03003	Radiance 5000R	71	100	Bi-Pin	Y	5.0	1000	14 - 18	27
03014	Radiance 7000	59	80	Bi-Pin	N	6.5	1200	14 - 18	35
03005	Radiance 7000	71	100	Bi-Pin	N	6.5	1200	14 - 18	35
03016	Radiance 7000	72	100	RDC	N	6.5	1200	14 - 18	35
03006	Radiance 7000	73	100	RDC	N	6.5	1200	14 - 18	35
03007	Radiance 7000R	71	100	Bi-Pin	Y	6.5	1000	12 - 16	26
03008	Radiance 7000R	73	100	RDC	Y	6.5	1000	12 - 16	26
03009	Radiance 8000	71	100	Bi-Pin	N	7.5	1200	12 - 16	32
03010	Radiance 8000	73	100	RDC	N	7.5	1200	12 - 16	32
03017	Radiance 8000 VHO	72	160	RDC	N	7.5	800	10 - 14	27
03018	Radiance 8000 VHO	73	160	RDC	N	7.5	800	10 - 14	27
03011	Radiance 9000	71	100	Bi-Pin	N	8.5	1000	10 - 14	31
03012	Radiance 9000	73	100	RDC	N	8.5	1000	10 - 14	31

A woman with her hair in a bun, wearing a red bikini and sunglasses, stands on a beach with her hands on her hips. The background is a sunset over the ocean. A yellow diagonal graphic element is on the right side of the image.

TARGETED
FOR EACH
BODY ZONE



Maximum Potential

Are you getting the most out of your lamps? Lamp manufacturers have a **Rated Lifetime** for their lamps, a figure based on lab tests performed in ideal conditions.

Salon conditions are the most important determining factor in lamp life. You may be able to take steps to get more out of your investment.

Placing Your Lamp Order

BE PREPARED:

Know the make, model, year, and exposure labels of your units. Know your current lamp information.

ORDER BY CASE:

Ordering by the case minimizes the shipping damage and gives you spare lamps in case of emergency.

MOST IMPORTANT:

Think about what is more important: price, performance, quality, or longevity.

▶ YOUR LAMP'S BIGGEST ENEMY

Damages from Excess Heat:

- Lower Lamp Life
- Faster Degradation
- Fail to Meet Maximum Tanning Potential
- Hard on Acrylics and Electrical Components

Radiance® wants you to get the most out of your lamps. So, we have listed solutions to common excess heat problems and other ways to maximize lamp potential.

Heat Source	Potential Solutions
Excess Voltage	Voltage should be checked regularly to ensure your equipment is operating according to manufacturer's electrical requirements. Install buck boost transformers if necessary, consult your electrician and/or local power company.
Poor Ventilation	Consult a licensed HVAC technician to check your exhaust, and return air system. Air pumped in must be exhausted. Install partition walls, louvered doors, etc.
Not Enough A/C	Be sure you have enough air conditioning to cool your total square footage (including lobby, laundry, office, etc.). Air requirements for each tanning unit vary from 0.5 ton - 2 tons per unit.
Debris Build Up	Clean and replace filters, clean dust and debris from all fan blades, reflector surfaces, and lamps.
Small Room	Expand room, or relocate unit to larger room to provide more space for air circulation.
Failed Fans	Replace failed fans immediately! Running unit with failed fans can cause acrylics to warp, develop severe hot spots, etc.
Item	Suggested Action
Acrylics	Clean acrylics thoroughly. Change acrylics when they block UV transmission, not just when they break.
Reflectors	If your unit has reflective panels behind the lamps, clean them during every lamp change. This keeps them free of build up and dust.
Starters	If applicable, replace starters at every other lamp change (exception: electronic starters).
Lamp holders	Replace when they appear black or smoky, or have become excessively loose or brittle.



MAXIMUM
RELIABILITY
& LONGEVITY

Radiance® HP
maintains even performance throughout its lamp life and produces superior results!

MELANIN: a naturally synthesized material that is intended to reduce the transparency of the upper layer of skin.

The Tanning Process

A tan is the human body's natural response to UV light. Tanning is a great way to maximize the potential benefits of ultraviolet light.

EXPOSURE

Skin is exposed to ultraviolet light, which is made up of 3 components: UVB, UVA 1, and UVA 2.

ERYTHEMA

UVB (280-320 nm) triggers the melanocytes in the skin's outermost layer to produce melanin. The visible results is "reddening" of the skin.

MELANOGENESIS

As the melanin rises to the surface, UVA 1 and 2 rays oxidize the melanin and cause it to turn brown. **UVA 1** (340-434 nm) penetrates deeper and actually oxidizes the melanin. **UVA 2** (320-340 nm) has both characteristics of UVB and UVA 1.

TANNING RESULTS

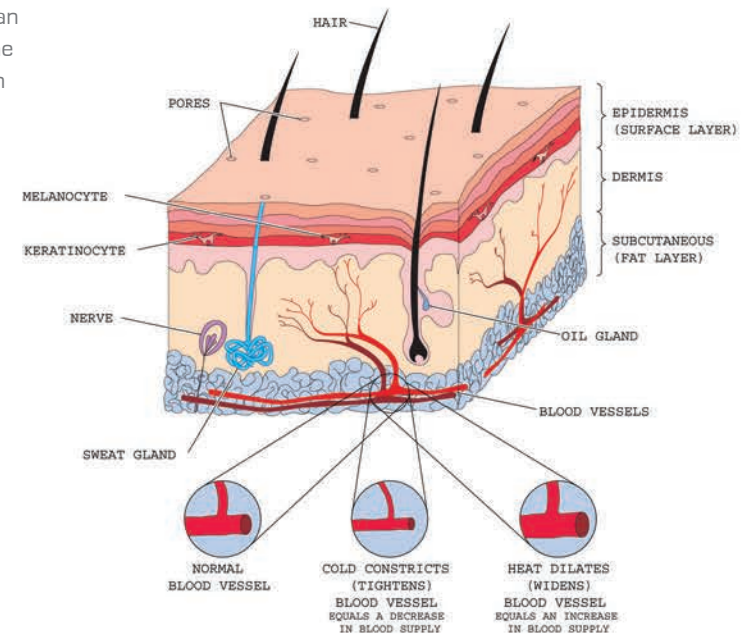
Equipment manufacturers use various combinations of UVB and UVA to deliver the desired tanning results. In addition to session length, an individual's skin type determines how quickly the skin will tan and how long a person can stay in the tanning unit at one time. It is very important for tanners and salon owners to establish skin type during the first visit. Below is a quick reference on skin types.

Type	Description	Typical Coloring	UV Response
Type 1	Very Fair	Pale to fair skin tone, red to blond hair, blue or green eyes.	Burns very quickly. Tanning never occurs.
Type 2	Fair	Light to medium skin tone, blond to light brown hair, blue, green or grey eyes.	Burns easily, and tanning is minimal.
Type 3	Light	Medium to olive skin tone, light brown to dark brown hair, grey or brown eyes.	Burns moderately. Tanning is gradual, but occurs most of the time, yielding a light brown shade.
Type 4	Medium	Light brown to dark olive skin tone, dark hair, dark eyes.	Burns minimally. Always tans well to a moderate to dark brown shade.
Type 5 & 6	Dark	Naturally tanned moderate brown, dark brown, to black skin tone, dark hair, dark eyes.	Rarely burns, if ever. Deeply pigmented, tans profusely to dark brown skin.

Nanometer (nm)

UV light is measured in nanometers: a unit that measures the length of a lightwave.

There are 25 million nanometers in an inch.



HIGH QUALITY PERFORMANCE FOR UNIQUE NEEDS

Radiance® Specialty

Radiance® Specialty provides high performance options for unique lamp needs. Say goodbye to the problem of finding replacements for specialty lamps.

T5 and T8 are special purpose lamps intended to tan areas that typical equipment configurations do not.

These lamps are used in hard to tan areas such as shoulders, neck, and face.

Item #	Lamp Model	Size	Wattage	End Type	Reflector	UVB %	Rated Lifetime
07047	Radiance Turbo	8	10	Bi-Pin	N	1.8	800
07040	Radiance 25	18	25	Bi-Pin	N	6.2	1000
07041	Radiance HRF	18	40	Bi-Pin	Y	5.1	800



Window Cling Sign

Promote Radiance® lamps in your salon. Beautiful full color Radiance® logo on black background. 18"x14"

Item #	Salon
07307	\$5.95



Today's tanners demand deep, dark tans and awesome results. Successful salon owners demand Radiance®!

Radiance® Philosophy

Radiance® has been committed to producing premium lamps since 1997. We are dedicated to delivering the best lamps that provide bronze tans to fit the needs of every tanner. Radiance® gives you longer lasting, cost effective lamps. When your customers benefit from beautiful tanning results, your salon will profit. Radiance® continues to advance with fresh ideas, exceptional lamps, and improved tanning solutions for salon owners world wide.



Thousands of salon owners...
relamp their tanning equipment with Radiance®!

RESULTS

Radiance® lamps deliver rock-solid results and the latest in bronzing technology.

QUALITY

Radiance® lamps are manufactured using only the world's finest premium-grade materials.

RELIABILITY

Radiance® lamps undergo strict inspections before they leave the factory. You will receive the most consistent performing lamp on the market.

SELECTION

Radiance® offers the best selection in the industry! Radiance® introduces new and innovative lamps to the marketplace. We are proud to offer salon owners more options than ever before.

Four Seasons

2505 East Wood Street | Paris, TN 38242

Four Seasons is the largest distributor of Radiance® lamps. Call today to place your Radiance® lamp order!

Toll Free: 1.800.325.2769

Fax: 1.731.641.2377

www.radiancelamps.com

www.fstanning.com

www.fsaccess.com

www.fsparts.com

