

Catalogue 2011 / 2012

BODYCARE



WELCOME TO
Pure Bronze™



We take care about your health



WELCOME TO PURE BRONZE: The Bronze Age.



► Traditional yet innovative

HAVELLS SYLVANIA has been developing and manufacturing innovative light sources for over 100 years.

As a pioneer on the market with more than 25 years of experience in manufacturing tanning lamps, the PURE BRONZE™ brand has constantly been redeveloping and improving on its new products and technologies.

► Global, and yet within easy reach

Every one of our products incorporates the decades of competence HAVELLS SYLVANIA offers.

Over 4,000 employees in 65 countries see to it that the whole range of HAVELLS SYLVANIA products always offer the same excellent quality.

We are here for our customers day-in and day-out, within easy reach all around the world.



► The best quality from A to Z

As one of only a few manufacturers, the PURE BRONZE™ brand offers a complete range of UV components from its own fully automated production line: everything from glass to packaging in controlled quality and environmentally conscious manufacturing.

► High performance and security

PurePower, LongLife and DirectTan are the fruits of years of research and developmental work.

The latest innovations from the PURE BRONZE™ brand will assure that you maintain your trailblazing position in the market for years to come.

THE NEW PURE BRONZE GENERATION:

More performance – through innovat

► RoHS

Havells-Sylvania proudly declares that our PURE BRONZE™ tanning lamps already meet this very strict requirement! The Directive on the **R**estriction **O**f the use of certain **H**azardous **S**ubstances in electrical and electronic equipment (2002/95/EC) restricts the use of hazardous materials in the manufacture of various types of electronic and electrical equipment. From 2011, December **ROHS** directive allows to use only maximum 15mg Mercury in special low pressure lamps like the tanning lamps!



We take care about your health

► LongLife Technology: Performance always to the limit

Each of our products performs at over 70% of its output for at least 600 hours.

Our comprehensive LongLife collection even guarantees 1,000 hours of service.

► Special 0.3 W/m² enhanced lamps

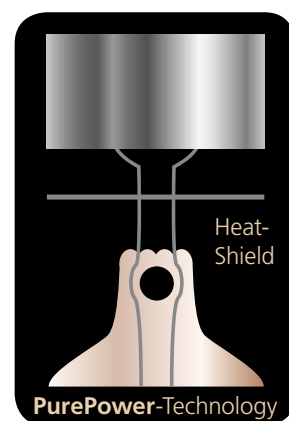
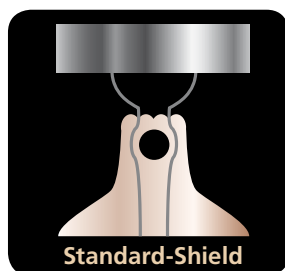
The extensive range of lamps optimised to prevent erythema offers exquisite tanning results for both direct pigmentation and gentle pigment enhancement.

ion.



► PurePower technology and Protective Shield

PurePower technology has special electrodes and an innovative lamp structure that offer up to 30% better UV output – pure power and the lowest blackening values are guaranteed



Our range of products.

► Tubes:

0,3 range

CLASS 5 range

ClassicLine



- 15-180W
- Closed glass
- With and without reflector
- For home and professional studios
- Affordable range for beginners
- 600 hrs. of performance guaranteed

► Starter



PURE BRONZE™ Starter

- PBS 25-100 (25-100W)
- PBS 120-180 (120-180W)

► Dual Lamps



Dual Lamps

- PBO 160W 2,0/2,6 Twin R
- PPB 250W 2,0/2,6 Twin R LL 2M

► High Pressure



PerformanceLine

- 250-2000 W
- 600 hrs. of performance
- Ozone-free open quartz glass

TopLine

- 250-2000 W
- 1,000 hrs. of performance
- Ozone-free open quartz glass
- LongLife technology for lowest performance loss

PerformanceLine



- 80-180W
- Open glass
- For professional studios
- High direct pigmentation
- 600 hrs. of performance guaranteed



TopLine



- 100-250W
- Open glass
- For professional studios
- DirectTan technology
- PurePower (up to 30% more direct pigmentation)
- 1,000 hrs. of performance guaranteed
- LongLife technology for lowest performance loss



► Safety First Optometer



0.3 W/m² SAFETY FIRST! SUN ERYTHEMA MEASURING HEAD

Low Voltage Directive states that the tanning devices shall not exceed the 0.3 W/m² total effective irradiance (total erythema). The device has to be measured according to the EN IEC 60335-2-27: 2007 standard. As you can clearly see the regulation and the directive is limiting the devices but not the tanning lamp itself. Because the tanning device is a complete system where the tanning lamp is only one element, we have to consider that the other parts like acrylic, ballast, cooling system have also effect for the end result (effective UV irradiance). It means that the same lamp might have different effective UV irradiance output in two different types of sunbeds. For testing the effective UV irradiance in your studio there is nothing better than our Safety First! Optometer with erythema measuring sensor. Cost / benefit analysis will convince you!

Order code: 9011740

► Pure Collagen



Tubes

- 15-250 W
- 600 hrs. of performance



High Pressure

- 400 W
- 600 hrs. of performance



0.3 CLASSICLINE, PERFORMANCELINE AND TOPLINE: From beginner to profess

ClassicLine: For beginners

- An affordable range for beginners both at home and in professional studios
- With and without reflectors
- Ideal for subtle tanning results that are particularly gentle to the skin
- Long service life, consistent UV output up to 600 hours guaranteed

Type	Order Number	Wattage	Life-time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/erythema factor	Sunning time** HT 3	UV-Code
Socket: G13 Bi-Pin Closed Glass 600h		(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
Classic 15-100W	without reflector									
PBC 15W 1,0	0003012	15	600	28,8	16	1,0	2,8	0,03	21	15-O-7/3.8
PBC 25W 1,0	0003009	25	600	52	16	1,0	5,5	0,03	20	25-O-7/3.8
PBC 100W 0,7	0001180	100	600	176	17	0,8	27	0,04	24	100-O-15/2.6
PBC 100W 1,3	0001181	100	600	176	17	1,3	27	0,06	20	100-O-17/3.9
PBC 100W 2,0	0001182	100	600	176	17	2,0	27	0,10	12	100-O-32/7.0
Classic 100W	with reflector									
PBC 100W 0,7 R	0001169	100	600	176	18	0,7	26	0,07	24	100-R-23/2.4
PBC 100W 1,0 R	0001170	100	600	176	18	1	26	0,08	21	100-R-27/2.7
PBC 100W 1,3 R	0001301	100	600	176	18	1,3	26	0,10	18	100-R-32/4.2
Classic 120-250W	with reflector									
PBC 140W 1,3 R	0001313	140	600	150	21	1,3	33	0,10	15	140-R-43/4.2
PBC 160W 0,7 R	0001217	160	600	176	21	0,7	33	0,08	22	160-R-31/2.1
PBC 160W 1,0 R	0001214	160	600	176	21	1,0	33	0,10	18	160-R-36/2.6
Extra-long tubes	with reflector									
PBC 120W 0,7 R 1.9m	0001297	100-120	600	190	19	0,7	30	0,08	22	120-R-25/2.4
PBC 120W 0,7 R 2m	0001298	100-120	600	200	18	0,7	30	0,08	22	120-R-23/2.3
PBC 180W 0,7 R 2m	0001299	180-200	600	200	23	0,7	41	0,08	22	180-R-31/2.0
PBC 180W 0.7 1.9m	0001302	160-200	600	190	23	0,7	41	0,08	22	180-R-30/2.0

ional.



PerformanceLine: For quick tanners

- Great immediate tanning results
- Intensive new pigmentation
- Reflectors
- Consistent UV output, 600 hours of performance guaranteed
- Optimal performance adjustment levels to adapt to your studio

Please note: SYLVANIA tanning tubes and lamps should only be used with appropriate consideration of the type of equipment in use as well as the person's specific skin type. You can find details on this on the last page.

Key to table for tanning tubes:

PB = PURE BRONZE™ (short mounted)
 PPB = PurePowerBronze (long mounted)
 O = Open glass
 C = Closed glass
 LL = LongLife

R = with reflector
 * Strength of radiation in averages studios.
 ** Recommended maximum tanning time for the tanning strength reached in average equipment.

*** >70% of UV output always available. Details for the decline in UV performance refer to a 5-hour value.

**** UV values refer to operation at 180W.

Type Socket: G13 Bi-Pin Open Glass 600h	Order Number	Wattage (W)	Life- time*** (h)	Length (cm)	Typical radiation strength* (mW/cm ²)	UV-B (%)	UV-A (W)	Sun/ erythema factor (fse)	Sunning time** HT 3 (min.)	UV-Code
Performance 80-100W with reflector										
PBO 80W 1,0 R	0001166	80	600	150	19	1,0	23	0,10	18	80-R-33/4.0
PBO 100W 1,0 R	0001201	100	600	176	20	1,0	30	0,10	19	100-R-34/3.9
PBO 100W 1,3 R	0001202	100	600	176	20	1,3	30	0,13	15	100-R-45/4.7
Performance 160W with reflector										
PBO 160W 0,5 R	0001267	160	600	176	23	0,5	36	0,06	23	160-R-27/2.2
PBO 160W 0,7 R	0001249	160	600	176	23	0,7	36	0,09	18	160-R-35/3.1
PBO 160W 1,0 R	0001218	160	600	176	23	1,0	36	0,13	15	160-R-44/3.7

TopLine: For tanning professionals

- Innovative PurePower technology for maximum quick tanning (up to 30% more)
- DirectTan technology to enhance new pigmentation with lower formation of erythema
- Lowest blackening values
- LongLife technology 1,000 hrs. with little loss of performance within the first hours of operation

Due to the tanning device is a complete system where the tanning lamp is only one element, we have to consider that the other parts like acrylic, ballast, cooling system, line voltage have also effect for the end result (effective UV irradiance). It means that the same lamp might have different effective UV irradiance output in two different types of sunbeds.

To ensure that your tanning device meet the Low Voltage Directive requirement, please use our Safety First! Optometer with erythema measuring sensor.

Type Socket: G13 Bi-Pin Open Glass DirectTan LongLife	Order Number	Wattage	Life- time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/ erythema factor	Sunning time** HT 3	UV-Code
TopLine 100W	with reflector	(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
PBO 100W R NormMax Xtra LL	0001246	100	1.000	176	21	0,5	32	0,06	26	100-R-22/2.5
PBO 100W R NormMax LL	0001279	100	1.000	176	21	0,7	32	0,08	23	100-R-27/3.1
PBO 100W R NormMax+ LL	0001280	100	1.000	176	21	1,0	32	0,11	18	100-R-35/4.1
TopLine 160W	with reflector									
PBO 160W R Norm Max Ultra LL	0001286	160	1.000	176	25	0,3	38	0,06	30	160-R-20/1.6
PBO 160W R Norm Max Xtra LL	0001320	160	1.000	176	25	0,6	38	0,08	22	160-R-27/2.3
PBO 160W R NormMax LL	0001281	160	1.000	176	25	0,8	38	0,09	17	160-R-35/3.1
PBO 160W R NormMax+ LL	0001234	160	1.000	176	25	1,0	38	0,13	14	160-R-45/3.8
PPB 160W R NormMax + LL	0001275	160	1.000	176	28	0,7	46	0,12	17	160-R-36/3.0
Extra-long tubes**** with reflector										
PPB 180/250W R NormMax LL 2m	0001274	180-250	1.000	200	28	0,4	51	0,08	23	180-R-27/2.1

CLASS 5 CLASSICLINE, PERFORMANCELINE AND From beginner to pr

ClassicLine: For beginners

- An affordable range for beginners both at home and in professional studios
- Without reflectors
- Ideal for subtle tanning results that are particularly gentle to the skin
- Long service life, consistent UV output up to 600 hours guaranteed

Please note: SYLVANIA tanning tubes and lamps should only be used with appropriate consideration of the type of equipment in use as well as the person's specific skin type. You can find details on this on the last page.

Key to table for tanning tubes:

PB = PURE BRONZE™ (short mounted)
 PPB = PurePowerBronze (long mounted)
 O = Open glass
 C = Closed glass
 LL = LongLife

R = with reflector
 * Strength of radiation in averages studios.
 ** Recommended maximum tanning time for the tanning strength reached in average equipment.

*** >70% of UV output always available. Details for the decline in UV performance refer to a 5-hour value.

**** UV values refer to operation at 180W.

Type Socket: G13 Bi-Pin Closed Glass 600h	Order Number	Wattage	Life- time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/ erythema factor	Sunning time** HT 3	UV-Code
Classic 25W without reflector		(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
PBO 25W 1,5	0003013	25	600	52	16	1,5	5,5	0,07	14	25-O-20/6.5
PBO 25W 2,5	0003011	25	600	52	16	2,5	5,5	0,11	12	25-O-34/8.5

TOPLINE:
Professional.

PerformanceLine: For quick tanners

- Great immediate tanning results
- Intensive new pigmentation
- Reflectors
- Consistent UV output, 600 hours of performance guaranteed
- Optimal performance adjustment levels to adapt to your studio

Type Socket: G13 Bi-Pin Open Glass 600h	Order Number	Wattage	Life- time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/ erythema factor	Sunning time** HT 3	UV-Code
Performance 80-100W	with reflector	(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
PBO 80W 2,3 R	0001168	80	600	150	19	2,3	21	0,21	9	80-R-66/8.0
PBO 100W 2,6 R	0001206	100	600	176	19	2,6	30	0,23	8	100-R-75/9.0
Performance 140-160W	with reflector									
PBO 140W 2,3 R	0001213	140	600	150	23	2,3	30	0,26	8	140-R-85/7.5
PBO 160W 2,0 R	0001221	160	600	176	23	2,0	38	0,24	9	160-R-85/6.5
PBO 160W 2,6 R	0001223	160	600	176	23	2,6	38	0,27	6	160-R-99/8.2
PBO 160W 3,3 R	0001283	160	600	176	23	3,3	38	0,31	4	160-R-120/10.4
PBO 160W 3,6 R	0001284	160	600	176	23	3,6	38	0,34	3	160-R-132/11.0
Extra-long tubes	with reflector									
PBO 120W 2,0 R 2m	0001228	100-120	600	200	19	2,0	32	0,19	10	120-R-65/6.9
PBO 180W 2,0 R 1,9m	0001233	160-200	600	190	23	2,0	42	0,25	9	180-R-85/6.5
PBO 180W 3,3 R 1,9m	0001245	160-200	600	190	23	3,3	41	0,32	4	180-R-125/10.4
PBO 180W 2,6 R 2m	0001237	160-200	600	200	23	2,6	42	0,27	6	180-R-103/8.0

TopLine: For tanning professionals

- Innovative PurePower technology for maximum quick tanning (up to 30% more)
- Lowest blackening values
- LongLife technology 1,000 hrs. with less decline in performance within the first hours of operation

Type Socket: G13 Bi-Pin Open Glass LongLife 1000h	Order Number	Wattage	Life- time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/ erythema factor	Sunning time** HT 3	UV-Code
TopLine 100W	with reflector	(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
PBO 100W 3,6 R LL	0001309	100	1.000	176	19	3,6	30	0,30	6	100-R-95/11.5
Performance 160W	with reflector									
PBO 160W 2,3 R LL	0001226	160	1.000	176	23	2,3	38	0,27	8	160-R-93/7.5
PPB 160W 3,0 R LL	0001312	160	1.000	176	28	3,0	46	0,40	5	160-R-125/10.0
PPB 160W 3,6 R LL	0001307	160	1.000	176	28	3,6	46	0,46	3	160-R-145/11.3
Extra-long tubes****	with reflector									
PBO 180W 2,6 R LL 2m	0001239	160-200	1.000	200	23	2,6	42	0,29	7	180-R-110/8.2
PBO 180W 3,6 R LL 2m	0001285	160-200	1.000	200	23	3,6	41	0,35	3	180-R-137/11.0
PPB 180/250W 2,3 R LL 2M	0001258	180-250	1.000	200	28	2,3	50	0,35	5,5	180-R-105/7.5
PPB 180/250W 3,0 R LL 2M	0001318	180-250	1.000	200	32	3,0	53	0,41	4	180-R-125/10.0
PPB 180/250W 3,6 R LL 2M	0001319	180-250	1.000	200	32	3,6	53	0,47	3	180-R-148/11.3

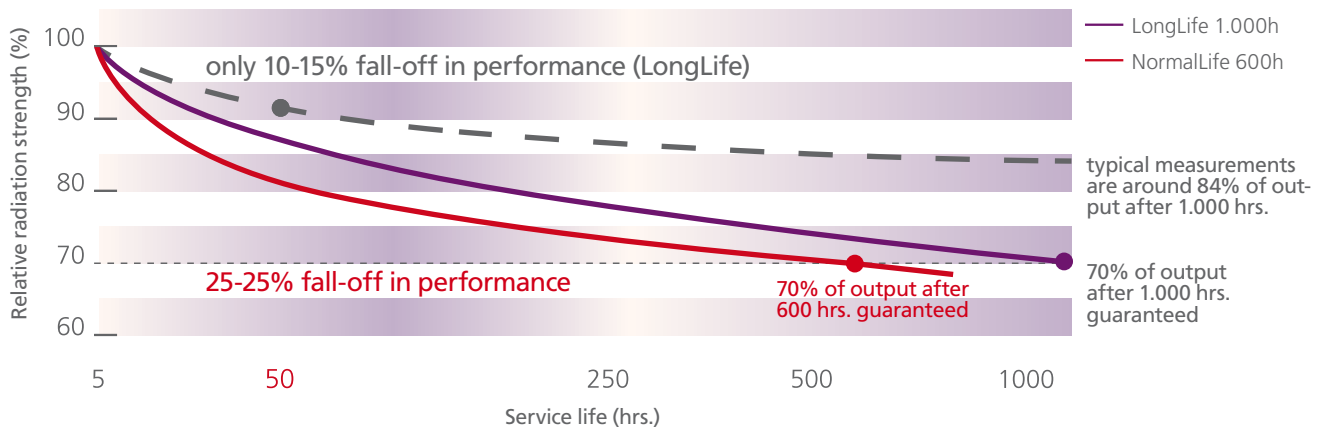
KEEP YOUR STUDIO AT THE LIMIT:

With LongLife technology.



► LongLife technology: Quality and Performance

- LongLife technology prevents the normal dramatic fall in performance, especially during the first 50 hours of operation (typically < 10-15%).



► Tanning quality that stays from start to finish

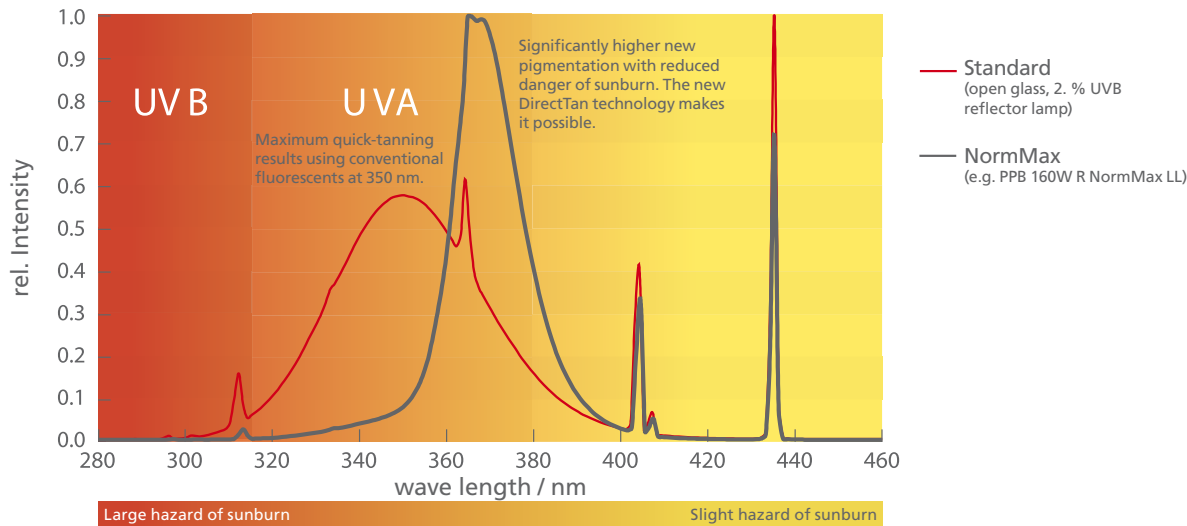
- To make sure your 0.3 W/m² studio won't experience a dramatic drop in performance in the very first hours of operation, we recommend you benefit from using our state-of-the-art tanning lamps with our sophisticated LongLife technology.
- Minimum loss in performance during the first 50 hours of operation
- High output even after 1,000 hours of operation guaranteed

INCREASED NEW PIGMENTATION

With DirectTan technology.

► With the new NormMax family of lamps

- From PURE BRONZE™, you can achieve enhanced new pigmentation with a much lower risk of sunburn.



In the figure we have shown the spectral power distribution of the new NormMax lamp family. Please notice that the peak output in the original lamp is at 350nm while on our new lamp family has peak at 365nm. This shift can cause better skin effect because of the extreme high UVA peak compared to the regular spectrashape. NormMax lamp family provides you the benefit of long wavelength UVA! Long wavelength UVA lamp behaves different as soon as it gets the cooling in the tanning device, the UVA output increasing into much higher peak compared to the lamps with conventional spectrashape. On the top of that long wavelength UVA gives you much smoother tanning. The idea behind the innovation of A-max and NormMax lamps was the same but we wanted to offer it in CLASS 5 category and in 0.3 category as well. NormMax lamps for the 0.3 category studios while the A-max lamps for the CLASS 5 studios' best choice!

► Tanning in the ideal range – with the new NormMax family of lamps

- Within the scope of the new 0.3 W/m² guideline, our goal is to make the best tanning results possible, even with lower erythema-causing radiation. By shifting the light spectrum of the lamp to a range that does not affect the skin so negatively, your studio equipment will offer significantly higher new pigmentation with much less danger of sunburn.
- Increased new pigmentation for the same length of exposure
- The best quick-tanning results

Type	Order Number	Wattage	Life-time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/erythema factor	Sunning time** HT 3	UV-Code
Socket: G13 Bi-Pin Open Glass DirectTan LongLife		(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
TopLine 100W with reflector										
PBO 100W R NormMax Xtra LL	0001246	100	1.000	176	21	0,5	32	0,06	26	100-R-22/2.5
PBO 100W R NormMax LL	0001279	100	1.000	176	21	0,7	32	0,08	23	100-R-27/3.1
PBO 100W R NormMax+ LL	0001280	100	1.000	176	21	1,0	32	0,11	18	100-R-35/4.1
TopLine 160W with reflector										
PBO 160W R Norm Max Ultra LL	0001286	160	1.000	176	25	0,3	38	0,06	30	160-R-20/1.6
PBO 160W R Norm Max Xtra LL	0001320	160	1.000	176	25	0,6	38	0,08	22	160-R-27/2.3
PBO 160W R NormMax LL	0001281	160	1.000	176	25	0,8	38	0,09	17	160-R-35/3.1
PBO 160W R NormMax+ LL	0001234	160	1.000	176	25	1,0	38	0,13	14	160-R-45/3.8
PPB 160W R NormMax + LL	0001275	160	1.000	176	28	0,7	46	0,12	17	160-R-36/3.0
Extra-long tubes**** with reflector										
PPB 180/250W R NormMax LL 2m	0001274	180-250	1.000	200	28	0,4	51	0,08	23	180-R-27/2.1

IMMEDIATELY TANNING RESULTS:

With the new Amax family.



► With the new A-max family of lamps

- Our new A-max family is designed to optimize UVA output to increase immediate tanning results.

Type Socket: G13 Bi-Pin Open Glass DirectTan LongLife	Order Number	Wattage	Life- time***	Length	Typical radiation strength*	UV-B	UV-A	Sun/ erythema factor	Sunning time** HT 3	UV-Code
TopLine 100W	with reflector	(W)	(h)	(cm)	(mW/cm ²)	(%)	(W)	(fse)	(min.)	
PBO 100W R A-Max LL	0001263	100	1.000	176	21	0,97	33	0,15	12	100-R-45/6.5
TopLine 160W	with reflector									
PBO 160W R A-max LL	0001264	160	1.200	176	27	1,10	40	0,15	11	160-R-56/5.8
Extra-long tubes**** with reflector										
PPB 180/250W R A-max LL 2m	0001278	180-250	1.200	200	29	0,85	53	0,14	13	180-R-47/4.0

Key to table for tanning tubes:

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 PPB = PurePowerBronze (long mounted)
 O = Open glass
 C = Closed glass
 LL = LongLife

R = with reflector
 * Strength of radiation in averages studios.
 ** Recommended maximum tanning time for the tanning strength reached in average equipment.

*** >70% of UV output always available. Details for the decline in UV performance refer to a 5-hour value.

**** UV values refer to operation at 180W.



OUR STARTER:

For flawless results.



- At least 20,000 tanning results – without ignition delays or flickering
- No unnecessary blackening around the electrodes
- Longer performance of the tubes / Enhanced lifetime
- ROHS confirm / ECO friendly
- Glow starters (0024478 and 0024479) are recommended to change at every lamp change for the maximum performance

Type	Order Number	Wattage	Voltage	No. of ignitions	Electrical circuit	Packaging Unit
Starter		(W)	(V)			
PBS 25-100	NEW 0024478	25-100	220-240	20.000	Single	25
PBS 120-180	NEW 0024479	120-180	220-240	20.000	Single	25

THE SAFETY-FIRST!-OPTOMETER:

The best safety for professionals.

► To enhance your studio equipment,

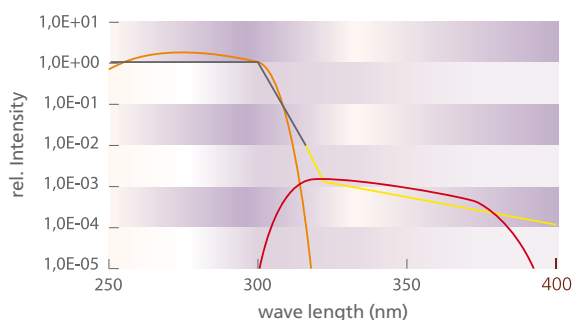
- you can order not only a number of suitable lamps from us but also a professional and affordable sun-erythema measuring sensor to check radiation levels.

► After intensive research,

- today we can offer you a measuring sensor that is ideal in terms of both price and precision:

The Safety First! optometer

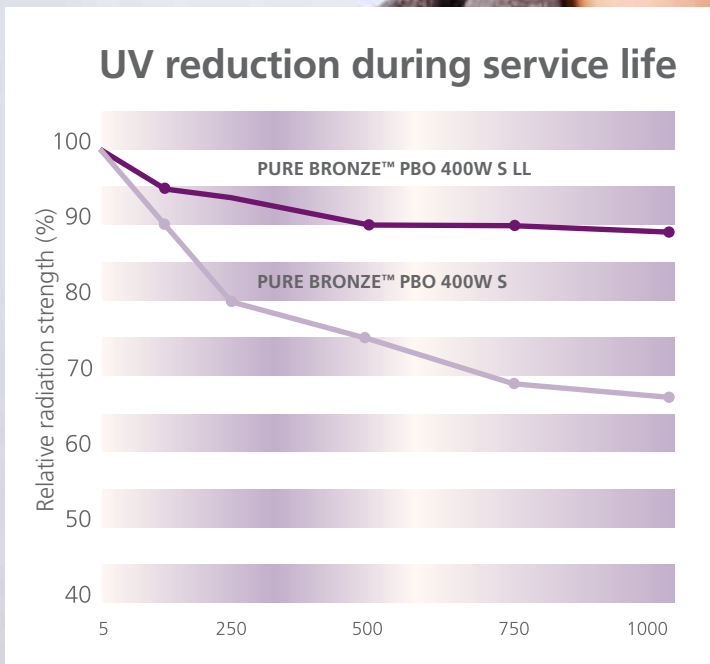
2-channel erythema-directed detector



— Base-line function Erythema 250-320 — Safety First! UVB — Safety First! UVA — Base-line function Erythema 320-400



OUR HIGH-PRESSURE LAMPS: **Pure power.**





► PerformanceLine

- Low blackening values
- 600 hrs. of constant quality
- Ozone-free open quartz glass

► TopLine

- LongLife technology
- Lowest blackening values
- 1.000 hrs. of performance output
- Ozone-free quartz glass

Type		Order Number	Wattage	Base/Cap	Life-time*	Max. Diameter (mm)	Length (mm)**
PerformanceLine			(W)		(h)		
PURE BRONZE™ PBF 250W SE	NEW	0024250	250	GY 9,5	600	14,0	69,0
PURE BRONZE™ PBO 400W S		0024200	250-500	R7s	600	14,0	106,0
PURE BRONZE™ PBO 400W SL		0024201	250-500	R7s long	600	14,0	117,9
PURE BRONZE™ PBO 400W C		0024202	250-500	Cable	600	14,0	116,0
PURE BRONZE™ PBO 400W SE		0024203	250-500	GY 9,5	600	14,0	103,0
PURE BRONZE™ PBO 400W SEC	NEW	0024228	250-500	GY 9,5 coded	600	14,0	103,0
PURE BRONZE™ PBO 400-600W G12	NEW	0024227	300-600	G12	600	14,0	106,0
PURE BRONZE™ PBO 500W S		0024210	300-600	R7s	600	17,0	106,0
PURE BRONZE™ PBO 500W SL		0024263	300-600	R7s long	600	17,0	117,9
PURE BRONZE™ PBO 500W C		0024211	300-600	Cable	600	17,0	114,0
PURE BRONZE™ PBO 500W SE		0024212	300-600	GY 9,5	600	17,0	107,0
PURE BRONZE™ PBO 500W SEC	NEW	0024261	300-600	GY 9,5 coded	600	14,0	107,0
PURE BRONZE™ PBO 800W S	NEW	0024265	500-800	R7s	600	18,5	115,0
PURE BRONZE™ PBO 800W C	NEW	0024264	500-800	Cable	600	18,5	115,0
PURE BRONZE™ PBO 800W SE	NEW	0024260	500-800	GY 9,5	600	18,5	108,5
PURE BRONZE™ PBO 800W SEC	NEW	0024266	500-800	GY 9,5 coded	600	18,5	110,0
PURE BRONZE™ PBO 1000W C 230 V		0024220	1.000	Cable	600	25,5	139,0
PURE BRONZE™ PBO 1000W C 400 V		0024221	1.000	Cable	600	25,5	139,0
PURE BRONZE™ PBO 1000W SE		0024222	500-1.000	GQ 9,5	600	25,0	129,0
PURE BRONZE™ PBO 1000W SE short		0024223	500-1.000	GY 9,5	600	25,0	108,5
PURE BRONZE™ PBO 1000W SEC short	NEW	0024262	500-1.000	GY 9,5 coded	600	25,0	110,0
PURE BRONZE™ PBO 2000W C 400 V		0024230	2.000	Cable	600	27,0	174,0
TopLine							
PureBronze™ PBO 400W S LL		0024204	250-500	R7s	1.000	14,0	106,0
PureBronze™ PBO 400W SE LL		0024205	250-500	GY 9,5	1.000	14,0	103,0
PureBronze™ PBO 500W SE LL		0024213	300-600	GY 9,5	1.000	17,0	107,0
PureBronze™ PBO 1000W SE LL		0024224	500-1.000	GQ 9,5	1.000	25,0	129,0

Key to table for high-pressure lamps:

PB = PURE BRONZE™

O = Ozone-free

S = R7s socket

SEC = Single-ended with coded socket

C = Cable

SE = Single-ended

SL = R7s long socket

LL = LongLife

F = FDA quartz

* >70% of the UV output is always available. Details for the decline in UV performance refer to a 5-hour value.

** measured without the end pins.

Please note: SYLVANIA tanning tubes and lamps should only be used with appropriate consideration of the type of equipment in use as well as the person's specific skin type. You can find details on this on the last page.

QUALITY TO MEET SPECIAL DEMANDS: Dual lamps.

When you need unusual formats and components, it's time to rely on the experts. We deliver uniformly high quality from a single source – regardless of your requirements:

► Twin: custom-tailored tanning from head to toe.

Every part of the body needs a different UV strength. With their differently coated segments for face and body or body and feet, our twin tubes enable the best possible pigmentation for every body zone. You can recognize them by their characteristic red-blue color.



Please note: SYLVANIA tanning tubes and lamps should only be used with appropriate consideration of the type of equipment in use as well as the person's specific skin type. You can find details on this on the last page.

Key to table for tanning tubes:

PB = PURE BRONZE™ (short mounted)
PPB = PurePowerBronze (long mounted)
O = Open glass
C = Closed glass
LL = LongLife

R = with reflector
* Strength of radiation in averages studios.
** Recommended maximum tanning time for the tanning strength reached in average equipment.

*** >70% of UV output always available. Details for the decline in UV performance refer to a 5-hour value.
**** UV values refer to operation at 180W.

Type		Order Number	Wattage (W)	Life-time*** (h)	Length (cm)	Typical radiation strength* (mW/cm ²)	UV-B (%)	UV-A (W)	Sun/erythema factor (fse)	Sunning time** HT 3 (min.)
Dual Lamps										
PBO 160W 2,0/2,6 Twin R	NEW	0001270	160	600	176	23	2,0/2,6	37	0,27	8
PPB 250W 2,0/2,6 Twin R LL 2M	NEW	0001272	250	1.000	200	28	2,0/2,6	48	0,35	6

NEW SERVICE ON THE INTERNET:

Your best selection of lamps.

The screenshot shows the Sylvania Tanning website's 'Lamp configurator' interface. The page features a navigation menu with 'Lamp configurator' selected, a sidebar with dropdown menus for 'Tubes 0,3 range', 'Tubes CLASS 5', 'Starters', 'High Pressure Lamps', and 'Safety First Optometer'. The main content area includes a 'BODYCARE WELCOME TO Pure Bronze™' banner, a 'Lamp Configurator!' call to action, and a login form. A sidebar on the left provides instructions for using the configurator in three steps: choosing a brand, model, and searching for lamps.

► PURE BRONZE™ on the Internet

Take advantage of our new site on the Internet and benefit from the latest and most up-to-date tips to improve your tanning studio over the long term.

► Be on the safe side

The new lamp configurator from PURE BRONZE™ will enable you deal with your customers' safety needs, particularly in adherence to the new 0.3 guidelines.

► The best consulting – our service for you

The new PURE BRONZE™ lamp configurator will make it amazingly easy for you to equip your studio. Easy and simple, that's how our new lamp configurator will help you make the right buying choice.

► Welcome to the club

Become one of the first users of our new Internet application and benefit from the many sales-enhancing marketing measures offered you there. Go now to www.sylvania-tanning.com. We're looking forward to your visit!



PURE COLLAGEN™ – PURE ANTI-AGING

Beauty, attractiveness and wellness

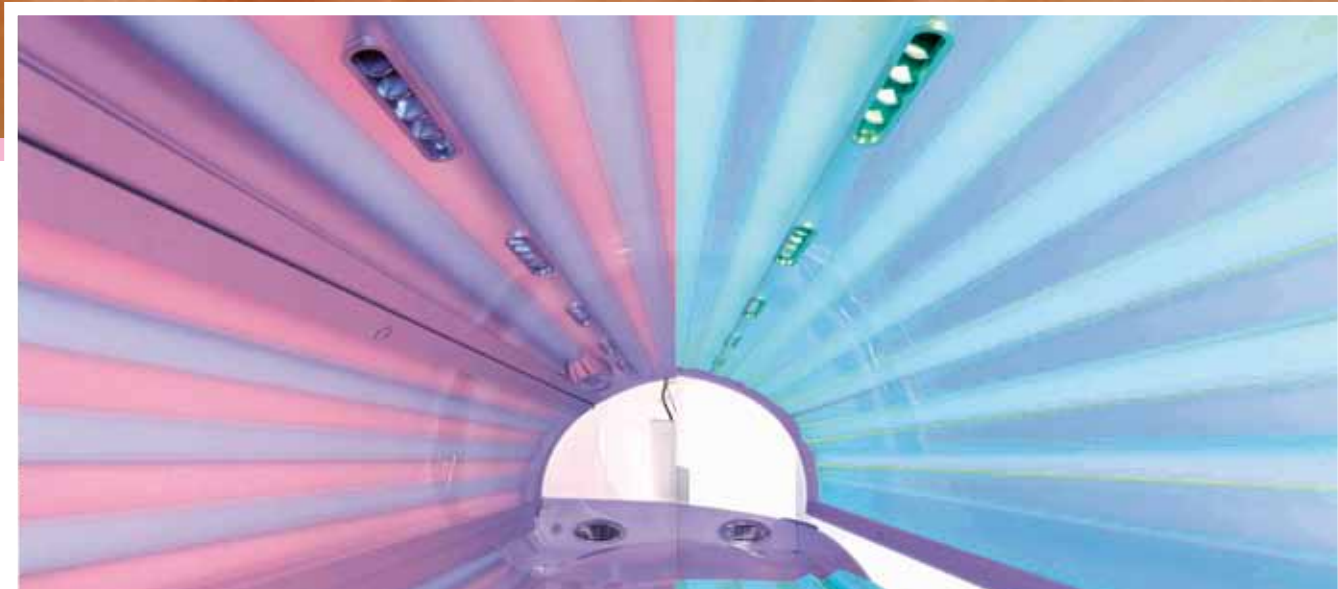


► PURE COLLAGEN™. A new innovation.

Collagen is a biological, autologous building block and important part of human skin which provides elasticity and strength to the skin. Fibroblasts (Collagen producing cells) continuously produce new collagen fibres. By the increased generation of Collagen little wrinkles are reduced, the skin is visibly tightened and the visual appearance of the skin is improved.

► Sylvania sets a new standard in Collagen Light Therapy.

The advanced design of both high and low pressure lamps features a novel and unique spectrum. The high energy output enables the skin to support the maximum rate of collagen regeneration.



Collagen mode with PURE COLLAGEN™

Suntanning mode with standard UV tubes

PURE COLLAGEN™ – PURE ANTI-AGING

The revolutionary new light for a youthful skin

Collagen fibres are present in the dermis and to reach this depth the light must travel through many barriers. First it must penetrate the epidermis in which the shorter blue and green wavelengths are filtered out by melanin cells – Figure 1 showing a typical epidermal transmission curve. This sets a fundamental requirement that a collagen lamp should be rich in red-yellow wavelengths. The light must then go deep into the dermis where the collagen building reactions take place, a layer which is perfused with blood and hence rich in oxyhaemoglobin. Its red colour is a result of characteristic sharp absorption peaks again in the blue and green wavelengths, as illustrated in Figure 2.

Optical Absorption of the Epidermis

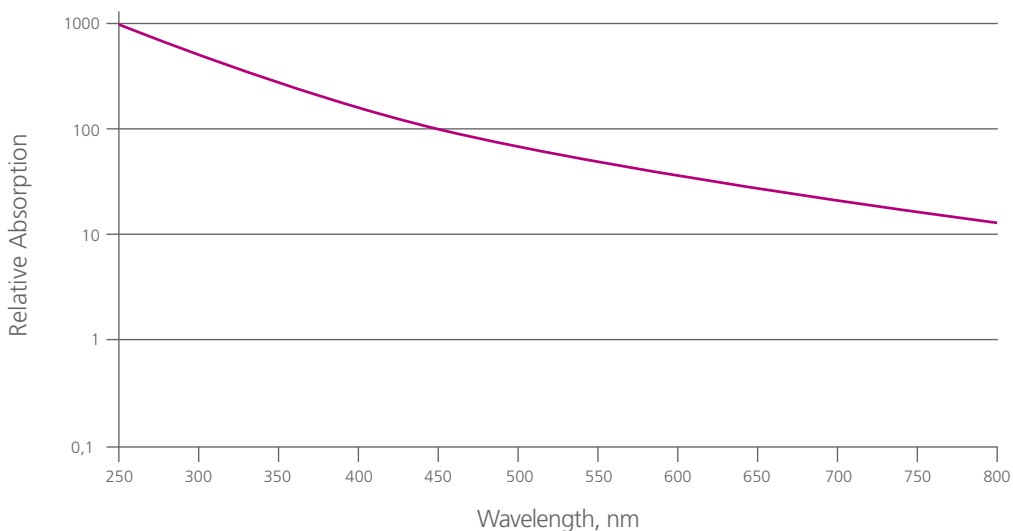


Figure 1

Optical Absorption of Oxyhaemoglobin

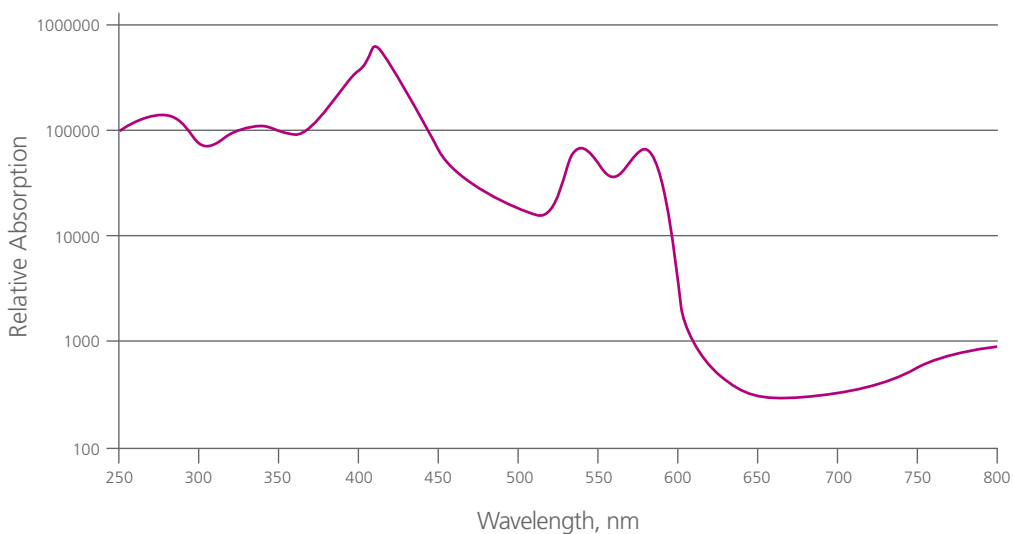


Figure 2

PURE COLLAGEN™ – TUBES & HIGH PRESSURE

Product range.



Tubes	Order Number	Wattage (W)	Lifetime (h)	Length (cm)
PC Active500 15W	0003001	15	600	180
PC Active500 25W	0003002	25	600	180
PC Active500 100W R	0001315	100	600	180
PC Active500 160W R	0001316	160	600	180
PC Active500 120W R 2m	0001324	120	600	180
PCC Active500 180/250W R 2m	0001317	200-250	600	200

High Pressure	Order Number	Wattage (W)	Base/Cap	Lifetime (h)	Max. Length (mm)
PC HighActive 400W SE (Single ended)	0024280	400	GY 9,5	600	103,0
PC HighActive 400W DE (Double ended)	0024281	400	R7s	600	106,0

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High-altitude sun – CAUTION – Ultraviolet (UV) and infrared radiation. Please observe instructions for use. UV and infrared radiation from studio tubes carries with it a number of health risks and can cause, among other things, cancer, premature skin aging, burns, injuries to the eyes, cataracts, a weakening of the immune system, allergic reactions and injuries to the vascular system. Pregnant women and persons taking prescription or over-the-counter pharmaceuticals should consult their physicians prior to tanning in a studio. The simultaneous ingestion of such medications as sedatives, antibiotics, diuretics or lower blood pressure medications, anti-neo-plastics or contraceptives can lead to the development of sunburn more quickly because such pharmaceuticals increase the skin's sensitivity to light. The same applies to cosmetics. UV radiation can accelerate the aging process of your skin and increase the risk of skin cancer, for instance squamous cell carcinoma or basal cell carcinoma. Your skin cancer risk is greater the more often you are exposed to UV radiation. Those who do not tan under direct sunlight will usually not tan in a tanning studio either and, in addition, such persons will also expose themselves to a greater danger of experiencing the detrimental effects of tanning lamps. If you do not tan in direct sunlight, then you should avoid tanning lamps. UV exposure in childhood is suspected of favouring the formation of melanoma in adulthood. Therefore, children should not use tanning studios without check-ups by a physician.

NEVER TAN WITHOUT USING SUITABLE PROTECTION FOR YOUR EYES (UV PROTECTIVE EYEWEAR); WITHOUT EFFECTIVE EYE PROTECTION, YOU RUN THE RISK OF SERIOUS BURNS TO THE EYE OR A LONGER TERM IMPAIRMENT OF VISION!

Use tanning lamps ONLY with a timer and in conformity with instructions from the manufacturers of both the equipment and the lamps, also in proper consideration of your skin type. Before installing the lamps or switching out the tubes, take all appropriate safety precautions and observe the instructions of the manufacturers of the tanning equipment and the light sources used.

Exclusion of liability: Havells Sylvania will not be liable for injuries resulting from the improper use of its products or from not adhering to legal and regional regulations as to the use of such products by its customers or final users. All the data presented here is the result of measurements made under standardised laboratory conditions. Details on the certification of UVA radiation and the guaranteed service life of the equipment are based on a 5-hour value and refer to operational conditions defined by Havells Sylvania. Havells Sylvania reserves the right to change this technical data without any prior announcement.

This information is not legally binding consultation and cannot replace such consultation. We recommend that you remain up to date in an appropriate manner as to all developments, particularly those concerning the conversion of European Guidelines into national law, e.g. by consulting a solicitor or a qualified professional association.