

Make sure the sun keeps on shining.
Original Hanau SunCare helps you to meet
the new Euro standards for sunbeds.





UVA, UVB, LVD?

What have they got to do with me?



LVD – Just what is this?

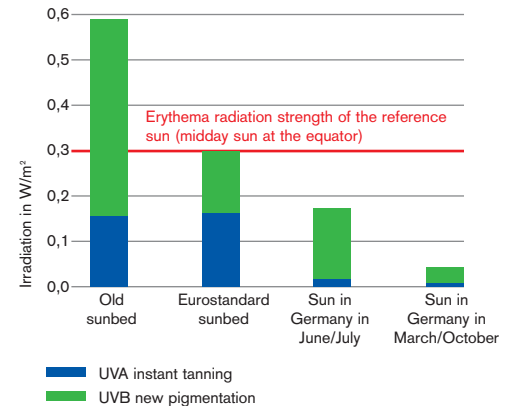
LVD, the Low Voltage Directive of the European Union (EU), governs the safe operation of household appliances and also covers sunbeds. The LVD is compulsory for all members of the European Union. That is: existing limits must be changed in all national legislation.

The EU introduced a new European standard for sunbeds. This states that the maximum erythema radiation strength for sunbeds is established at 0.3W/m^2 for new sunbeds.

$0,3\text{ W/m}^2$ – What does that mean?

0.3W/m^2 erythema radiation strength – what does this value mean? An erythema is a reddening of the skin, as in sunburn. The erythema radiation strength is a measure of the UV radiation strength at which sunburn occurs. The new EU limit of 0.3W/m^2 relates to the midday sun at the equator – and hence the maximum measurable, natural solar radiation strength.

In essence: To date, sunbeds have operated with a maximum erythema radiation strength of around 0.6W/m^2 or more.



Risk of sunburn from a typical sunbed.

But when does the new Euro standard take effect?

New sunbeds, sold within the European Union, must meet the new EU limit from 23-7-2007.

Play it safe.

Original Hanau SunCare has all the answers.

UVA, UVB – LVD?

The tanning radiation of UV radiation consists of UVA and UVB components in different degrees.

UVA browns pigments which are already there and is also responsible for directly visible "instant tanning". The value of the UVA component almost remains and scarcely changes under the new regulations. On the other hand, UVB radiation affects the formation of new pigment and influences the danger of sunburn. This component of the radiation output will be significantly reduced. As a result, the risk of sunburn is also significantly reduced, while the component accounting for the formation of new pigment will remain roughly the same.

Instant tanning capability is almost unchanged. The time required to achieve new pigment formation is only slightly increased by limiting the radiation strength to 0.3 W/m^2 .

The skin can accept UV radiation for instant tanning and for pigmentation up to a known dose. After that, saturation is reached. Further exposure no longer creates new pigment but increases only the risk of sunburn.

Consequently, although the radiation strength is reduced, it is still possible to achieve an effective and natural tan! And this with responsible tanning with reduced risk of sunburn.

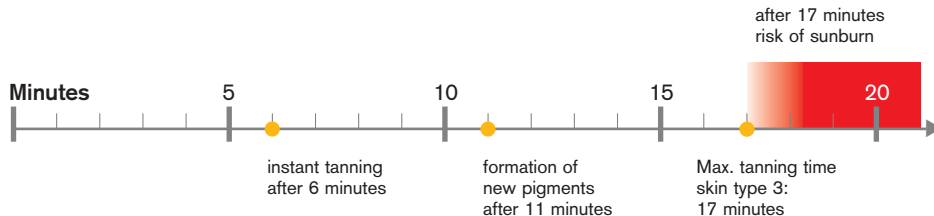
What happens to the old equipment?

The conversion of old equipment is regulated separately by each individual country in the EU. At the moment, there is nothing known or foreseeable for Germany. Since a while there have been limits in France, Spain, Sweden and Norway. You can always find the up-to-date position regarding regulations governing old equipment on our internet site: www.original-hanau-suncare.com/lvd.

Are there any conversion possibilities for existing sunbeds?

No worries! Original Hanau SunCare has simple solutions ready for you. We have developed tubes and lamps for currently available sun beds, to bring the sunbeds within the 0.3 W/m^2 limit.

The limit is always a combination of, and an interaction between, the lamps and the sunbed. There is no such thing as a pure "0.3 lamp"



Original Hanau SunCare Tanning Tubes.

A UV Guarantee in Line with the Euro standard.

	Model Number	Nominal Power (W)	Dose for instant tanning tpi (minutes)	New Pigment formation tpp (minutes)	Tanning time Skin type 3 (minutes)	Fitted length (mm)
MagicSun®	OH M 3uro 160 R	160	6	11	17	1762
	OH M 3uro 100 R	100	7	11	17	1762
NewColors®	OH N 3uro 160 R	160	8	12	17	1762
	OH N 3uro 100 R	100	9	12	17	1762
CLASSICS®	OH C 3uro 160 R	160	10	12	18	1762
	OH C 3uro 100 R	100	11	12	18	1762

Original Hanau SunCare: The sure UV guarantee.

Original Hanau SunCare is one of the leading suppliers of tanning lamps and tubes. We offer the complete spectrum from one source, for every requirement and for every skin type. With you, we are largely responsible for the high quality lamps and tubes, which are the basis of wellbeing and enjoyment of life.

This is the basis of our mutual commercial success. We cannot change the Euro standards – but we can make sure that the transition is as painless and problem-free as possible. We can also guarantee that all our products provide their UV output at a high level over their total operating life.



We won't leave you out in the rain.
Our Service Hotline can answer all your questions.
And the sun keeps on shining.

Have you got any more questions?

What does the LVD directive mean to you?
What do you have to look out for? And which lamps are suitable for your sunbeds? If you have any questions, give us a call. Our experts in Hanau are always available with advice and help.

**Our Service Hotline is at
+49 (0) 6181 490 23 16**

and can be called from Monday to Friday
between 08.00 and 16.00.

The latest information on the subject can
be found on the internet at:
www.original-hanau.com/lvd



Original Hanau SunCare helps you more.

Fit out your sunbeds with UV tanning lamps and filter plates from Original Hanau SunCare. For good reason. Because, as a leading supplier of tanning tubes and lamps, we offer proven tanning quality, service and competence from a single source.

And you will be set up for a sunny future.

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