

Texte zu den geplanten neuen EU-Regelungen zur umweltgerechten Produktgestaltung und zur Energieverbrauchs-kennzeichnung in der Beleuchtung – Zusammenstellung ^[1] des Umweltbundesamtes (UBA), Deutschland



Diskussion über eine künftige Änderungsverordnung (Produktgestaltung)

Anhang III Nummer 3: Zusätzliche Ausnahmen für Infrarot-Strahlungsquellen: **Stellungnahme des Herstellerverbandes LE ^[2]** **vom 27. Mai 2019**

Hinweis: Bitte beachten Sie, daß der angehängte Text nur in Englisch verfaßt ist.

EN: Information on the coming EU Lighting Regulations – Ecodesign and Energy Labelling – Compilation ^[1] of the Federal Environment Agency (UBA), Germany

Discussion of a future amending regulation (Product Design)

Annex III.3: Additional exemptions for infrared radiation sources: Comments by the Industry Association LE ^[2] as of 27 May 2019

FR: Informations sur les futures réglementations de l'UE concernant l'éclairage – l'écoconception et l'étiquetage énergétique – Compilation ^[1] de l'Agence Fédérale de l'Environnement (UBA), Allemagne

Discussion d'un futur règlement modificatif (Conception des produit)

Annexe III, point 3 : Exemptions supplémentaires pour sources de rayonnement infrarouges : Commentaires de l'association de producteurs LE ^[2] de 27 mai 2019

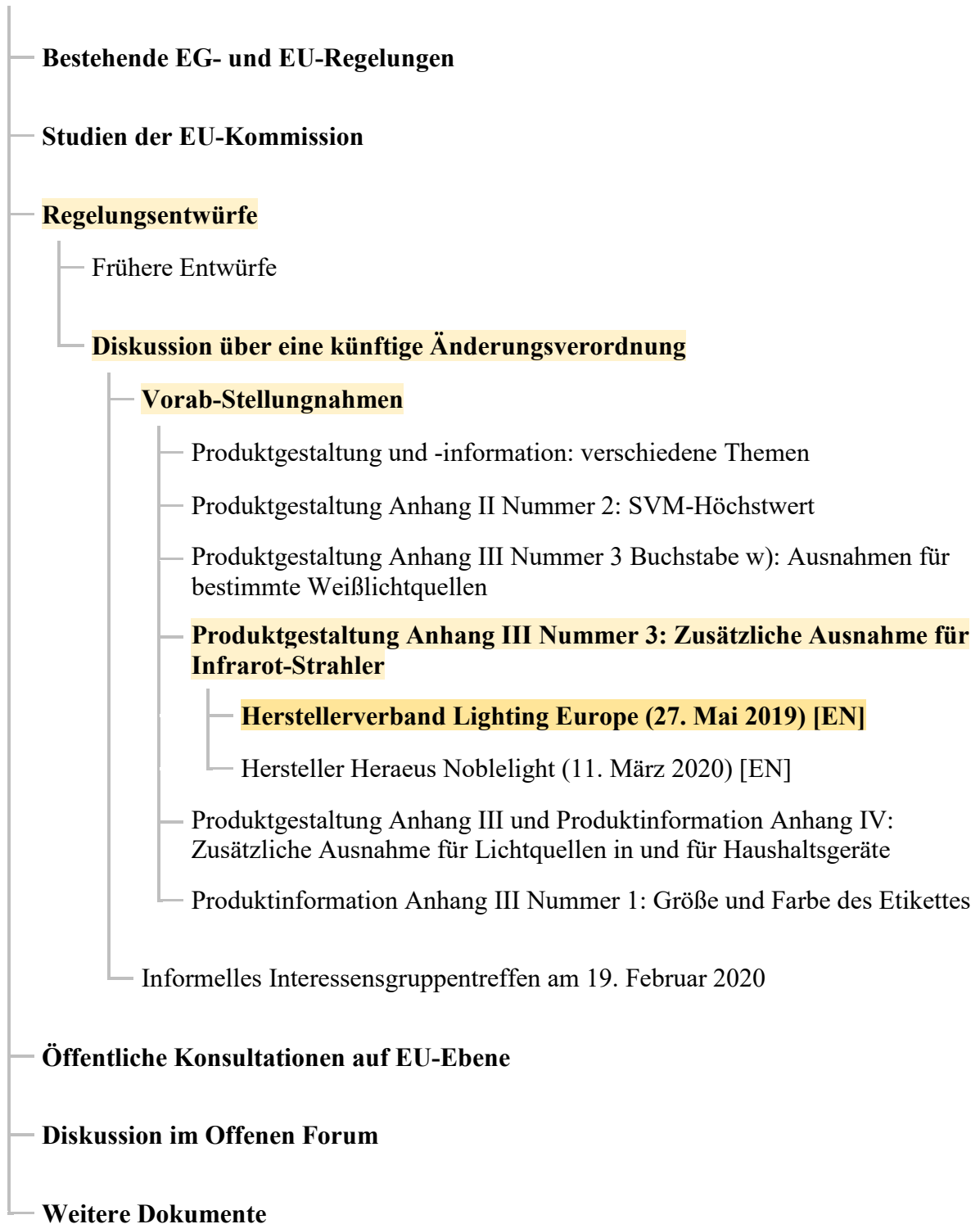
Indication : Veuillez noter que le présent texte n'est disponible qu'en anglais.

^[1] <https://www.eup-network.de/de/eup-netzwerk-deutschland/offenes-forum-eu-regelungen-beleuchtung/dokumente/texte/>

^[2] LE = Lighting Europe; <http://www.lightingeurope.org/>

Texte im Offenen Forum

(abc = vorliegender Text)



Abkürzungen: • EG = Europäische Gemeinschaft • EU = Europäische Union • SVM : Maß für die Sichtbarkeit des Stroboskopeffektes

Documents in the Open Forum

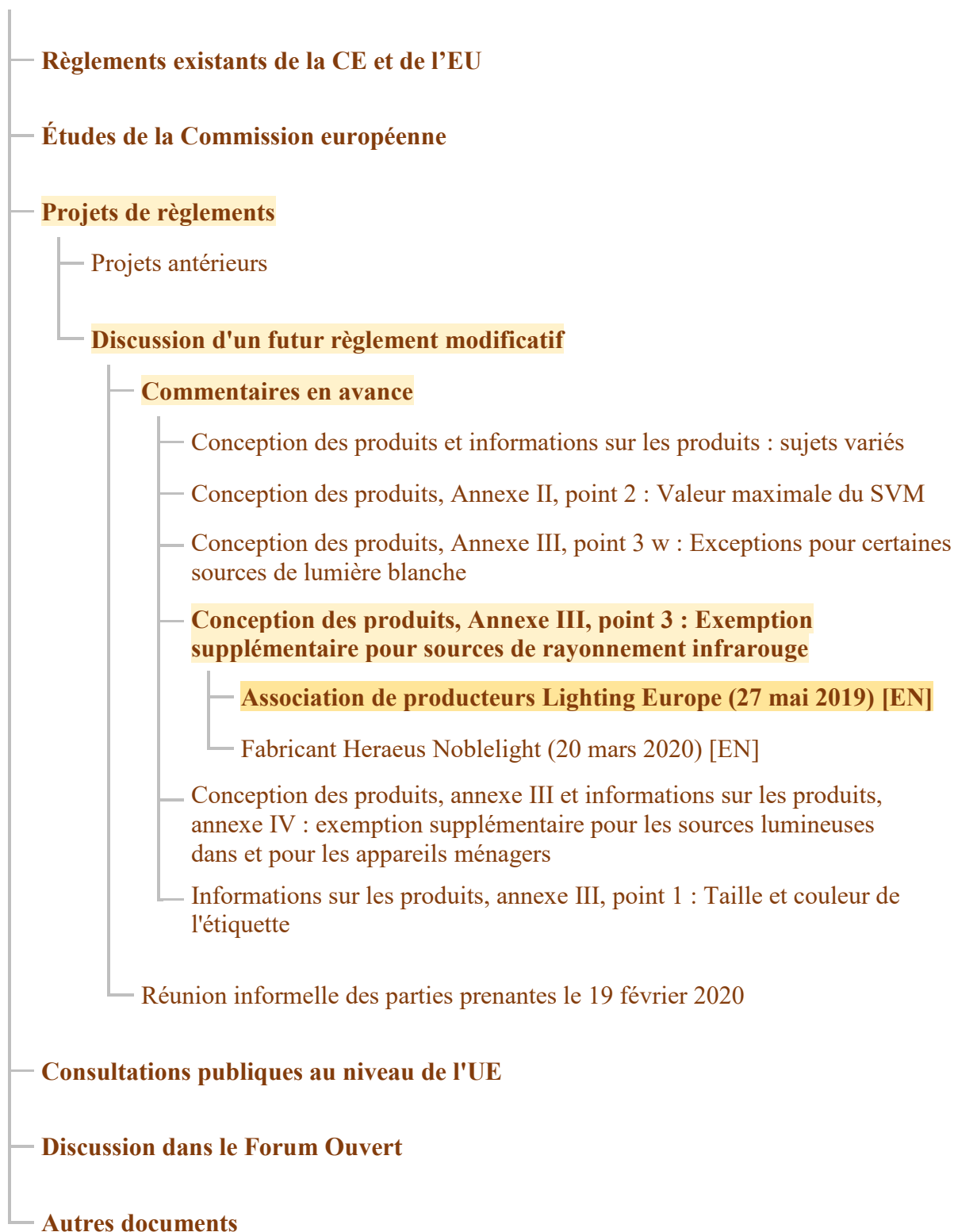
(abc = text at hand)



Abbreviations: • EC = European Communities • EU = European Union • SVM = Stroboscopic Visibility Measure

Documents dans le forum ouvert

(abc = présent document)



Abréviations : ● CE = Communauté européenne ● SVM : mesure de la visibilité stroboscopique
 ● UE = Union européenne

Es folgt ein unveränderter Originaltext.

EN: The following is an unmodified original text.

FR: Ce qui suit est un texte original.

IR Clear Heating Lamps

Exemption request for E27
infrared lamps (clear types) in
ecodesign requirements

27 May 2019

IR Clear Heating Lamps

Clear infrared E27 directional heating lamps

Application of clear infrared E27 heating lamps:

- Agriculture (e.g., breeding, veterinary clinics)
- Zoos and pet shops
- Food industry and catering (e.g., food displays)
- Industrial (e.g., carbonising, melting, drying)

Features

- Typical range: 100 – 375 W reflector lamps; PAR38, BR125, and R125
- Safe, simple, and clean heat sources
- Hard glass construction

Benefits:

- 90 % of energy is transmitted as infrared heat
- Lifetime of 5,000 h and easy installation
- Instant, accurately controllable radiant heat, while keeping a the possibility for normal vision

IR Clear Heating Lamps

Heating with infrared lamps








Heating objects with infrared radiation is very efficient in an open space:

- the conversion of electrical power to radiation is more than 95 % efficient because of the high filament temperature
- the radiation can be focussed from a distance on the object to be heated
- infrared is almost not absorbed in air, so there is little energy loss

We propose to exempt these lamps with the following characterisation and presentation on the packaging:

- a filament operating below 2,500 K (typically 1,700 – 2,500 K)
- the light is directional

IR Clear Heating Lamps: main IR heat segments

radiant heating solutions			healthcare & wellness		radiant heating solutions	
Comfort Heating (Outdoor)	Comfort Heating (Indoor)	Comfort Heating (Indoor)	Health & Wellness	Health & Wellness	Industrial Processing	Industrial Processing
Professional applications	Domestic applications	Domestic & Professional applications	Individual use in Professional centers & Domestic applications	Domestic & Professional applications	Professional applications	Professional applications
						
Examples						
Bar/Restaurant/home terrace, hotel entrances, Churches	Infrared fireplace	Bathroom, Secondary room (DIY), Maternity (new - born warming)	IR pain relief systems	Color Therapy sauna	Paint Drying	Paper Drying
radiant heating solutions						
Industrial Processing	Industrial Processing	Animal Care	Food Warming	Industrial Processing	Industrial Processing	Industrial Processing
Professional applications	Professional applications	Professional applications	Professional applications	Professional applications	Professional applications	Professional applications
						
Examples						
Drying textiles	Ink/Glue Drying	Pig/Chicken farms, Reptiles	Restaurants, Fast foods, Cantines	Agricultural Produce Drying	Vulcanisation processes	Distillation processes

IR Clear Heating Lamps

IR clear heat lamps application examples



Heat lamps work great for giving a warm and necessary environment to baby chicks, as they are hatching and even early on in their life. Many other smaller animals also required increased warm living areas. This makes it easy to provide a solution without heating up a larger area.



Many buffets and commercial kitchens require the use of clear heat lamps to maintain heat inside of meals and specifically, various kinds of meats. Heat lamps accomplish this very well.



Clear heat lamps are being used in bathrooms areas.



LIGHTINGEUROPE

THE VOICE OF THE LIGHTING INDUSTRY