

Specific questions request 4

“Cadmium for use in solid-state illumination & display systems”

The following specific questions should be answered in your stakeholder contribution if you if you support request 4 to be granted / rejected:

1. State whether II-VI colour converted LEDs are already **put on the EU market** or not. If not, when is market introduction planned? If yes, in which applications are these LEDs currently used? Are there other manufacturers than the applicant producing this application?
2. What are **technical reasons** for the need of materials capable of light emission across the entire visible spectrum? For which RoHS-relevant applications are such light emission technically absolutely necessary? In which other applications are variations in LED colour technically acceptable?
3. Quantify the **increase in performance** of II-VI colour converted LEDs compared to conventional LEDs. What are the **technical parameters** describing the required performance?
4. Do you support the fact that **Cd** in II-VI colour converted LEDs is **inert in the material** and that it is thus less likely to harm the environment than Hg contained in fluorescent lamps?
5. Are there **LCAs or similar assessments** available supporting a reduction in the quantity of hazardous substances used in RoHS-relevant applications, an increased energy efficiency and a higher yield in production of II-VI colour converted LEDs compared to conventional LEDs and / or mercury containing fluorescent lamps?
6. Please state the **amount of cadmium** used per application, the cadmium content in the homogeneous material (in weight-%), the annual production volume as well as the number of applications related to request 4 put on the EU market annually. What are the expectations for the future?
7. What is known about the **risks** of cadmium use in II-VI colour converted LEDs?
8. Do you agree that cadmium containing II-VI colour converted LEDs are from an environmental, health and / or consumer safety point of view **suited to replace** existing fluorescent lamps or conventional LEDs in RoHS-relevant applications?
9. Assuming the request will be recommended to be granted and be given an **expiry date**, what date do you think is technologically feasible?