



Brussels, **XXX**  
[...](2023) **XXX** draft

ANNEX

**ANNEX**

**to the**

**Commission Delegated Directive**

**amending Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for cadmium in downshifting quantum dots directly deposited on LED semiconductor chips**

## ANNEX

Annex III to Directive 2011/65/EU is amended as follows:

(1) entry 39(a) is replaced by the following:

'39(a)	Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications ( $< 0,2 \mu\text{g Cd per mm}^2$ of display screen area)	Expires for all categories on [PO: please insert the date 18 months after the date of publication of this Directive]

(2) the following entry is inserted:

'39(b)	Cadmium in downshifting semiconductor nanocrystal quantum dots directly deposited on LED semiconductor chips for use in display and projection applications ( $< 5 \mu\text{g Cd per mm}^2$ of light emitting LED chip surface) with a maximum amount per device of 1 mg	Expires for all categories on 31 December 2027'
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