

CHINA PUBLISHED ROADMAP TO GRADUALLY REDUCE THE MERCURY CONTENT IN FLUORESCENT LAMPS

In February 2013, the Ministry of Industry and Information Technology, Ministry of Science and Technology and the Ministry of Environmental Protection released the Roadmap to Gradually Reduce the Mercury Content in Fluorescent Lamps¹. It was proposed in the roadmap that China will gradually reduce the mercury level in fluorescent lamps, reduce the use and emission of mercury in the industry, improve the pollution prevention and promote industrial green transformation in the next few years.

China is one of the main countries producing and exporting fluorescent lamps. The fluorescent lamp industry is facing enormous pressure on mercury reduction e.g. by the European RoHS Directive 2011/65/EU² which gradually reduces the allowed amount of mercury in fluorescent lamps in certain time steps. Motivations to reduce mercury emissions from the production process and gradually reduce the mercury content in fluorescent lamps are to protect the environment and human health, promote industrial restructuring and upgrading, as well as achieve sustainable development. According to the roadmap, three stages are proposed to gradually reduce the mercury level in fluorescent lamps no more than 60 watts (see Table 1).



¹ <http://www.miit.gov.cn/n11293472/n11505629/n11506364/n11513631/n11513880/n11927781/15219358.html> (available only in chinese)

² DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011

TABLE 1.

STAGE	DUE DATE	PRODUCT		TARGET (MG/LAMP)
1	31 Dec. 2013	Compact fluorescent lamps	power≤30W	1.5
			30w<power≤60W	2.5
		Long-lasting fluorescent lamps		4.0
		Other fluorescent lamps	diameter≤17mm	2.5
			diameter>17mm	3.0
2	31 Dec. 2014	Compact fluorescent lamps	power≤30W	1.0
			30W<power≤60W	1.5
		Long-lasting fluorescent lamps		3.0
		Other fluorescent lamps	diameter≤17mm	1.5
			diameter>17mm	2.0
3	31 Dec. 2015	Compact fluorescent lamps	power≤30W	0.8
			30w<power≤60W	1.0
		Long-lasting fluorescent lamps		2.5
		Other fluorescent lamps	diameter≤17mm	1.0
			diameter>17mm	1.5

With these new requirements in the roadmap, SGS is ready to help enterprises in the lighting industry with our professional services such as testing and consulting to achieve the mercury reduction targets.

The global footprint of SGS will support you in product compliance with [global RoHS](#) (EU, China, Korea, US, etc.), [REACH/SVHC](#), textiles or hard-goods, [CPSIA](#) or other toy regulations and many more consumer product related requirements like packaging materials or battery requirements. Regardless if you are in need of chemical testing

or services in the fields of inspection, certification, compliance assurance, outsourcing, training or auditing SGS is dedicated to satisfy your needs.

Providing service to help your products to be fit for the market requirements of the future – whatever the legal frameworks might be.

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