



# SEAD

SUPER-EFFICIENT EQUIPMENT AND  
APPLIANCE DEPLOYMENT INITIATIVE

Governments Working Together to Save Energy.

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SEAD's Global Efficiency Medal competition seeks to differentiate outstanding, highly-efficient products in a fast-moving market.



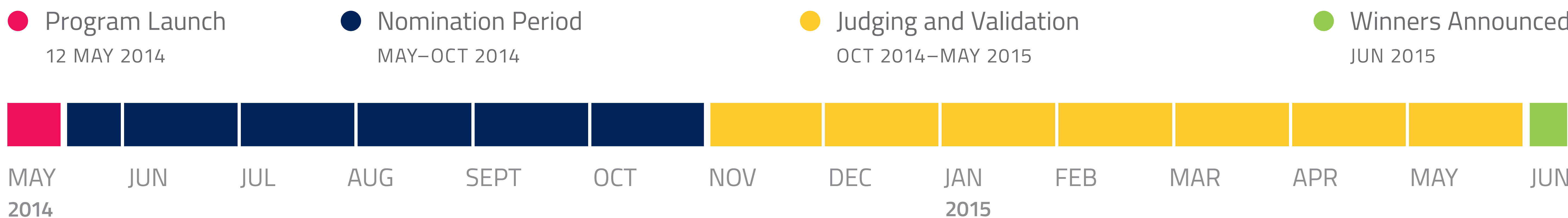
## SEAD Global Efficiency Medal for Efficient Lighting



### Competition Rationale

Replacing inefficient lighting around the world could save approximately 1,000 TWh of electricity each year, equivalent to the energy produced by more than 330 mid-sized power plants.

### Competition Timeline



### Product Award Categories

	General Lighting Service Lamps	Directional Lamps	Planar Luminaires	Downlight Luminaires
Picture				
Description	Lamps that emit light in all directions ("omni-directional"); for example, A19 or A55 shape, mains voltage replacement lamp	Lamps that emit directional light; for example, MR16 or PAR38 shape, mains and low voltage replacement lamps	Recessed ceiling fixtures commonly used in offices for general illumination	Recessed directional fixtures that deliver light to a space or highlight an object or area
Sectors	Primarily residential, some commercial	Residential and commercial	Commercial	Commercial and residential

### Summary of Criteria for Nominated Products

Metric Categories	Requirements for verification
Efficacy & Light Output	Subject to verification testing
Colour & Light Quality	Subject to verification testing
Lifetime	Supporting documentation required
Health & Environment	Supporting documentation required
Cost Criteria	Supporting documentation required

### Summary of Product Categories

		GLS Lamps					Directional Lamps		Planar Luminaires	Downlight Luminaires	
		Commercially Available			New Technology		Commercially Available		Commercially Available	Commercially Available	
		≥800 lumens 2700–3000K CCT	≥800 lumens 4000–5500K CCT	≥700 lumens 5500–6500K CCT	≥1500 lumens 4000–5500K CCT	≥1300 lumens 5500–6500K CCT	Low-voltage ≥600 lumens 2700–3000K CCT	Mains-voltage ≥600 lumens 2700–3000K CCT	600mm x 600mm (2ft x 2ft); ≥2000 lumens	≤51mm (2 in) ≥700 lumens 3000K CCT	≥102mm (4 in) ≥1500 lumens 4000K CCT
REGIONAL AWARDS	Australia	● 230V	● 230V		● 230V		● 12V	● 230V	●	●	●
	Europe	● 230V	● 230V		● 230V		● 12V	● 230V	●	●	●
	India	● 230V	● 230V	● 230V	● 230V	● 230V	● 12V	● 230V	●	●	●
	North America	● 120V	● 120V		● 120V		● 12V	● 120V	●	●	●
INTERNATIONAL AWARDS		● 230V	● 230V		● 230V		● 12V	● 230V	●	●	●

**ABOUT SEAD** // The SEAD Initiative of the Clean Energy Ministerial (CEM) and the International Partnership for Energy Efficiency Cooperation (IPEEC) helps turn knowledge into action to accelerate the transition to a clean energy future through effective appliance and equipment energy efficiency programs. SEAD is a multilateral, voluntary effort among Australia, Brazil, Canada, Chile, the European Commission, Germany, India, Indonesia, Japan, ~South Korea, Mexico, Russia, South Africa, Sweden, the United Arab Emirates, the United Kingdom, and the United States