

# Global Lighting Challenge Campaign (GLC)

Campaign associated with the Super-Efficient Equipment and Appliance Deployment Initiative (SEAD)

## Goals

The Global Lighting Challenge (GLC) is a platform intended to aggregate and highlight ongoing national, regional, and municipal (local urban body) efficient lighting policies and promote further public- and private sector commitments to the deployment of high-efficiency and high-quality advanced lighting systems. The GLC is a global race to reach cumulative global sales of 10 billion high-efficiency and high-quality affordable lighting products as quickly as possible.

## Rationale for being included in the CEM




An overnight global transition to highly efficient light-emitting diode (LED) lamps could avoid 801 Mt of carbon dioxide emissions, equivalent to displacing 684 coal-fired power plants for a year.

By 2030, an increase in the number of light points due to population growth, the rise of the middle class, and increased urbanisation will lead to a 50% increase in lighting demand. Accelerating the global transition to advanced lighting solutions such as LEDs (through campaigns such as the GLC) can actually decrease electricity consumption from lighting by 50% over that same period. **That is 50% more light using 50% less electricity!**

Energy demand

## Activities and deliverables

- The GLC has successfully galvanised minister-level support for advanced lighting topics.
- Member country governments have made major commitments, including commitments for nearly 1 billion LED products in India and 5 billion products sold domestically in China.
- Large multilateral organisations (such as the Asia-Pacific Economic Cooperation Energy Working Group) and others have endorsed the GLC.
- The Global Lighting Challenge was presented at the 2017 ECEEE Summer Study as a model for campaigns galvanising public-private partnerships to create real change in energy efficiency.
- A side event was held at CEM8 to highlight commitments to date, secure new commitments, discuss current trends, and showcase the future of lighting.
- June 6, 2017 - Announcement that the GLC surpassed its 10 billion goal with 14 billion high efficiency, high-quality lighting products committed. Twelve Chinese solid-state lighting companies committed to deploy 3.29 billion LED Lamps and 5.77 million LED Street Lights by the end of 2018.

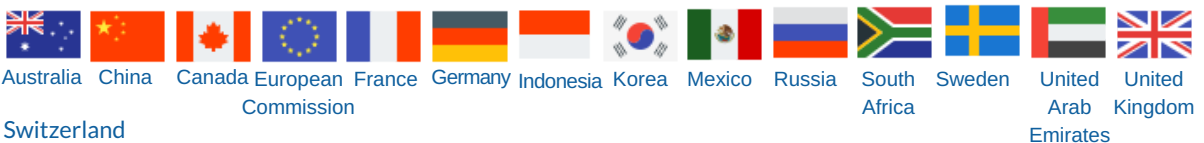
**10 billion**  **14 billion**

Global Lightning Challenge surpassed its goal!  
the GLC surpassed its 10 billion goal with 14 billion high-efficiency, high-quality lighting products committed!

Lead CEM Member(s)



CEM Member Participant(s)



Non-CEM member participant(s)

Switzerland

Operating Agent(s)/ Coordinator(s)



Non-State Actor(s)

City of Hamilton, Cleveland Clinic, Global Bright Light, Green Solar Africa/Lovum Group, IKEA Group, KoEnergies, LEDVANCE, MGM Resorts, Philips, Royal, San Francisco Airport, State of Victoria, Urban Volt, Washington State. For a full list of GLC supporters, please visit: <http://www.globallightingchallenge.org/Latest/14bn%20bulbs> Energy Efficient End-Use Equipment Solid State Lighting (4E SSL), International Energy Agency (IEA), International Partnership for Energy Efficiency Cooperation (IPEEC), The Climate Group, United Nations Environment Programme (UNEP) en.Lighten Initiative, and APEC Energy Working Group.

\*U.S. leadership under review