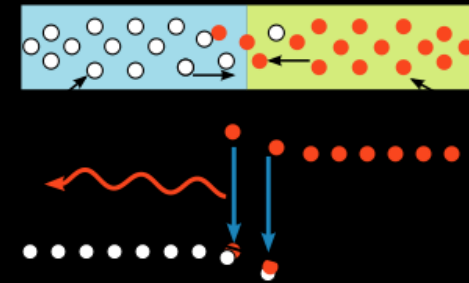
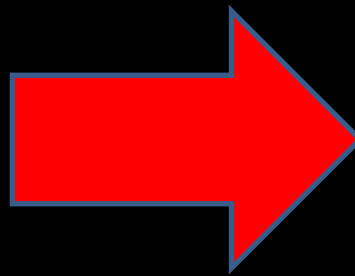
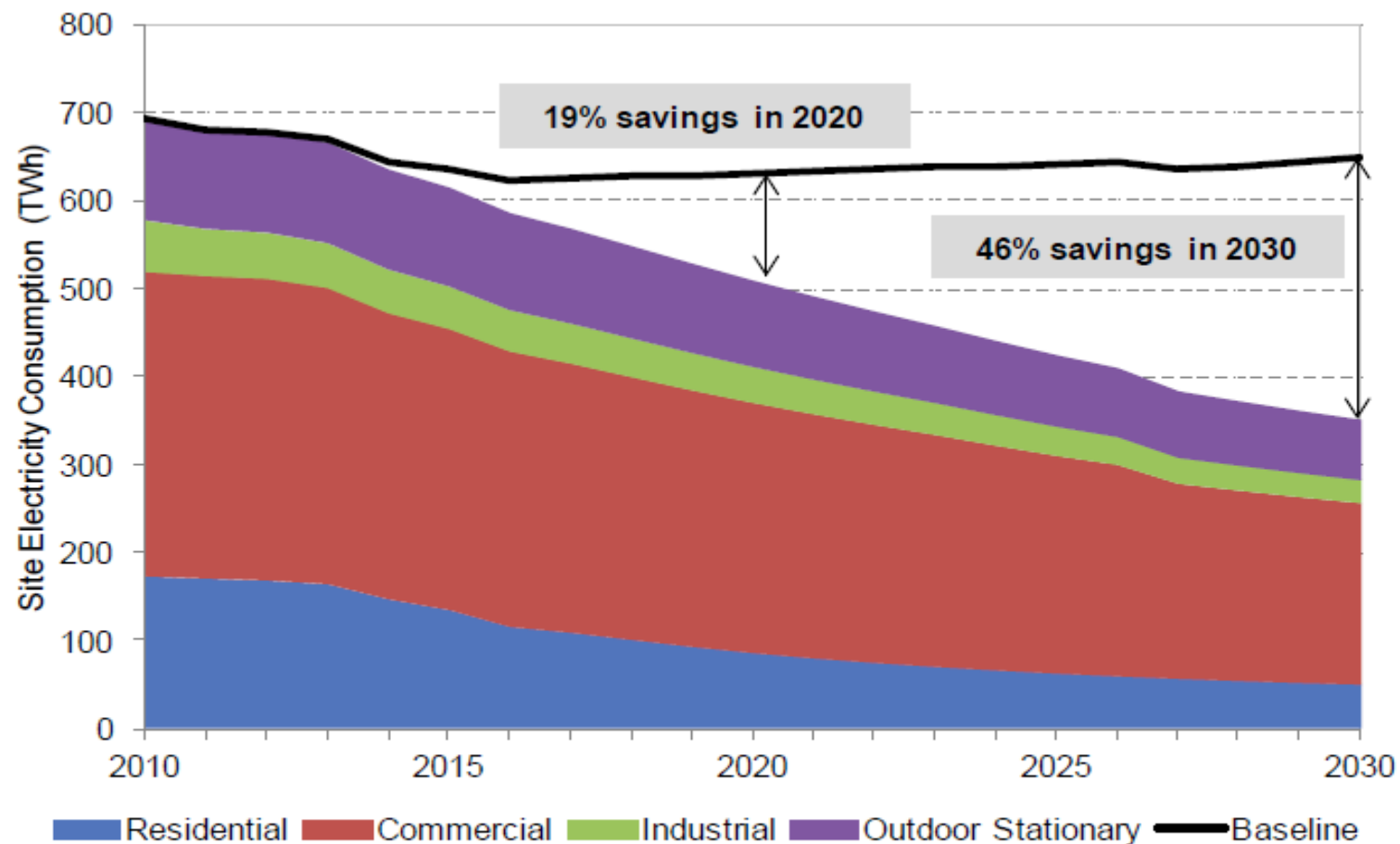


INOVAÇÃO TECNOLÓGICA E EFICIÊNCIA ENERGÉTICA EM ILUMINAÇÃO



ISAC ROIZENBLATT
06 - 08 - 2013

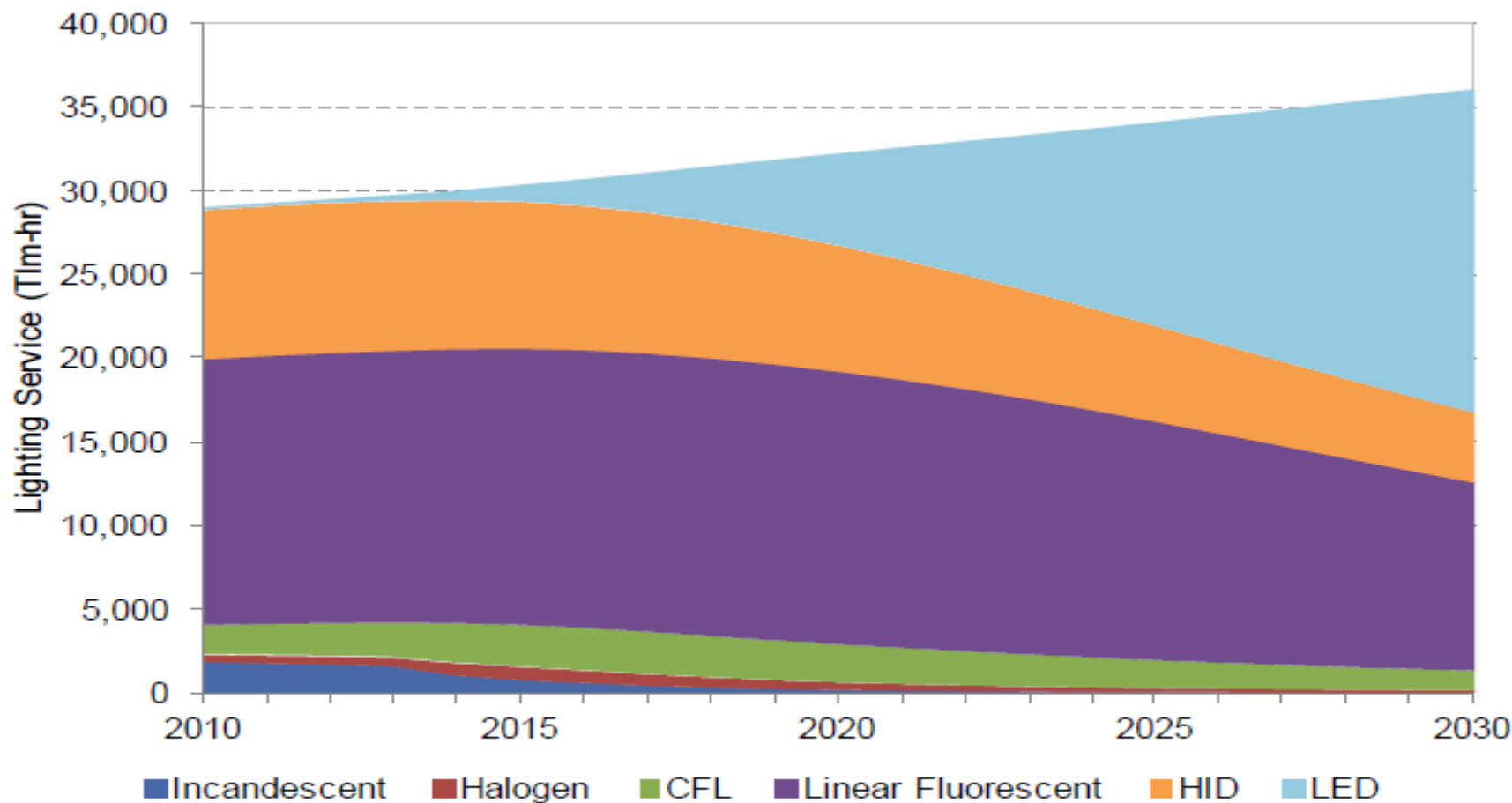




Total U.S. Lighting Energy Consumption Forecast, 2010 to 2030

FONTE: DOE 2012

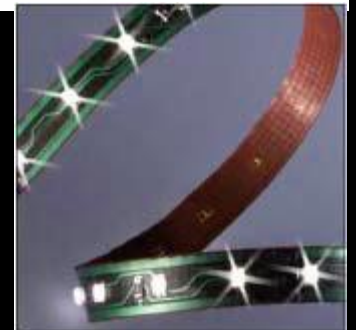
**O BRASIL UTILIZA EQUIPAMENTOS DE ILUMINAÇÃO
SIMILARES AOS DOS EUA E PODE REALIZAR
ECONOMIAS DE ENERGIA SIMILARES OU MAIORES**

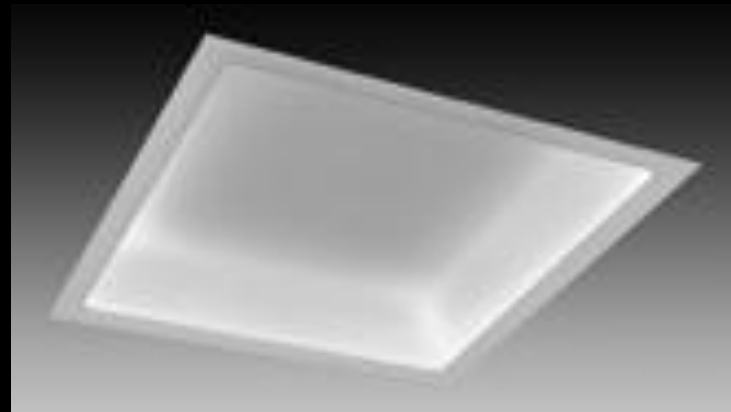


Total U.S. Lighting Service Forecast, 2010 to 2030

FONTE: DOE 2012

**FORTE TRANSIÇÃO TECNOLÓGICA: EMISSOR DE LUZ,
DRIVERS, SENSORES E CONTROLES ELETRÔNICOS**





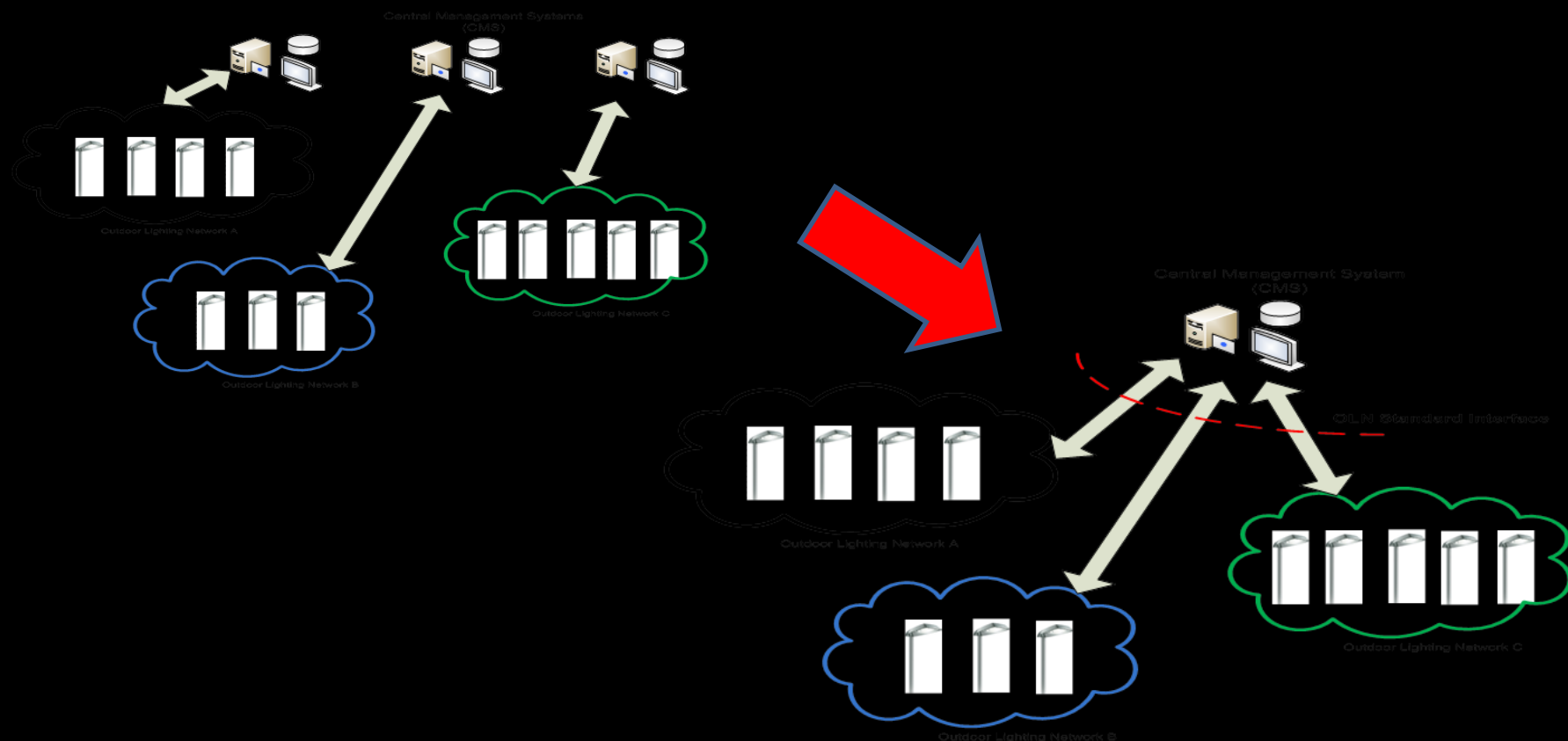


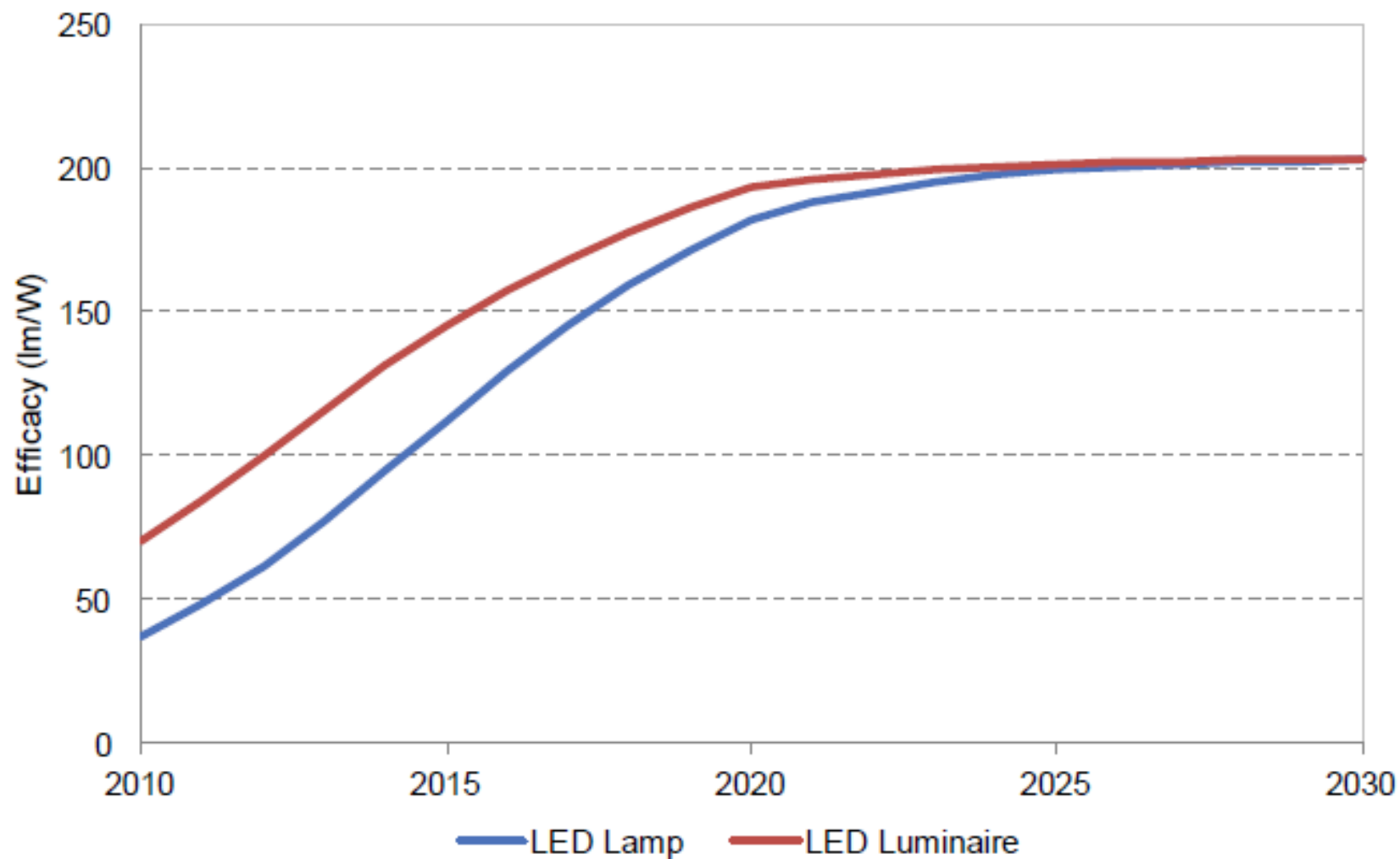




INTEROPERABILIDADE DA ILUMINAÇÃO PÚBLICA

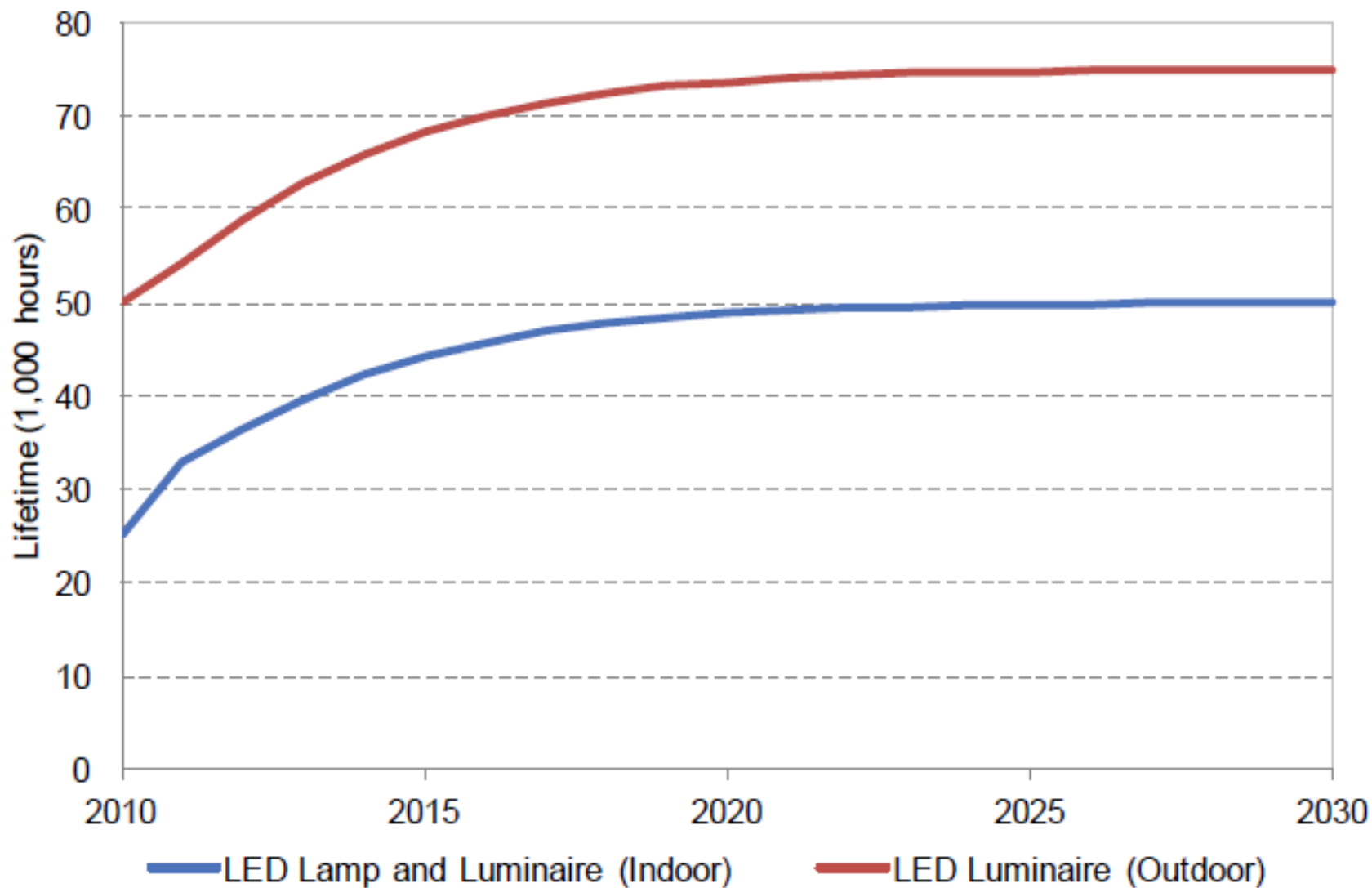
TALQ – INTERFACE DE SOFTWARE PARA CONTROLAR E MONITORAR PROTOCOLOS HETEROGENEOS DA REDE PÚBLICA DE ILUMINAÇÃO





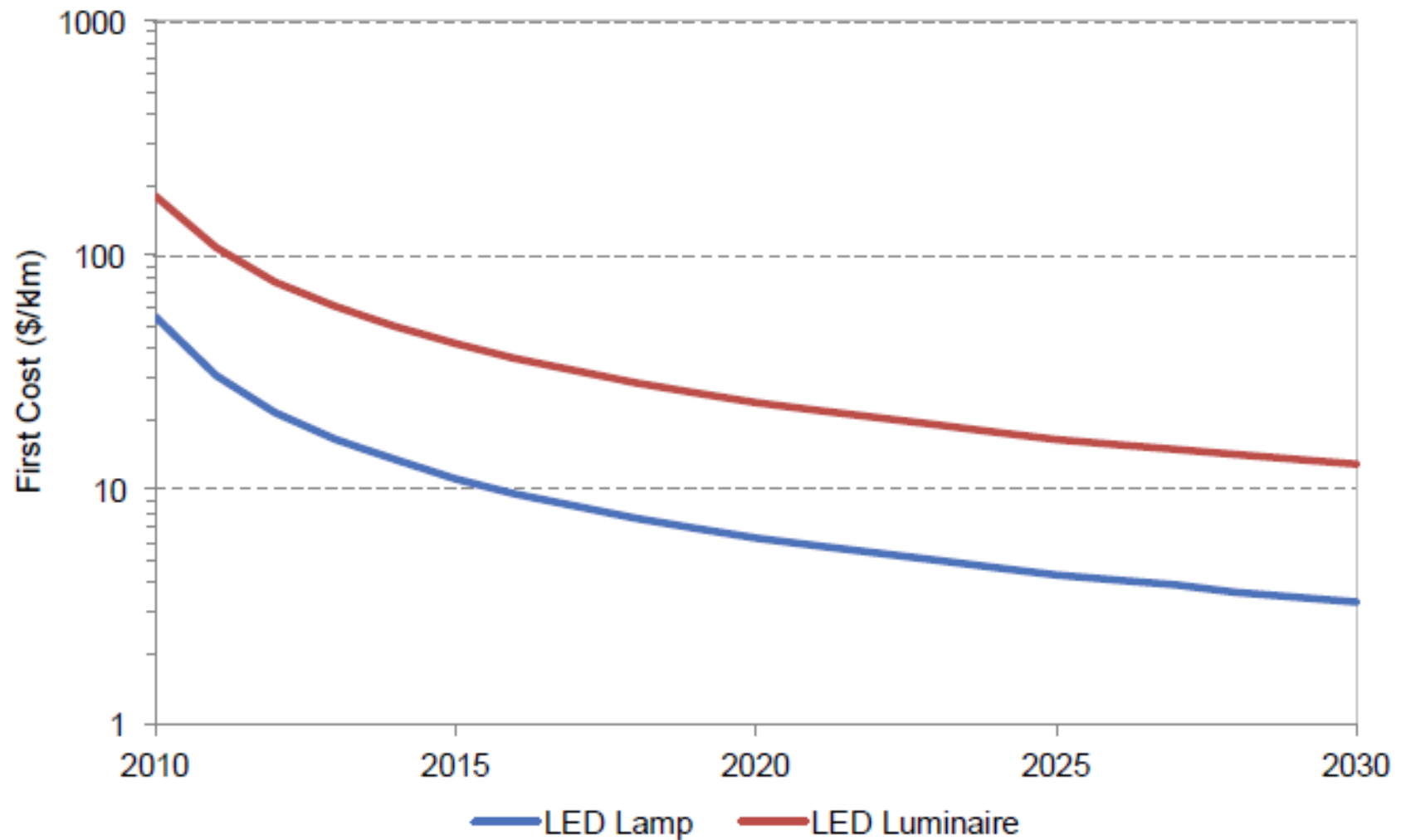
LED Efficacy Improvement

FONTE: DOE 2012



LED Lifetime Improvement

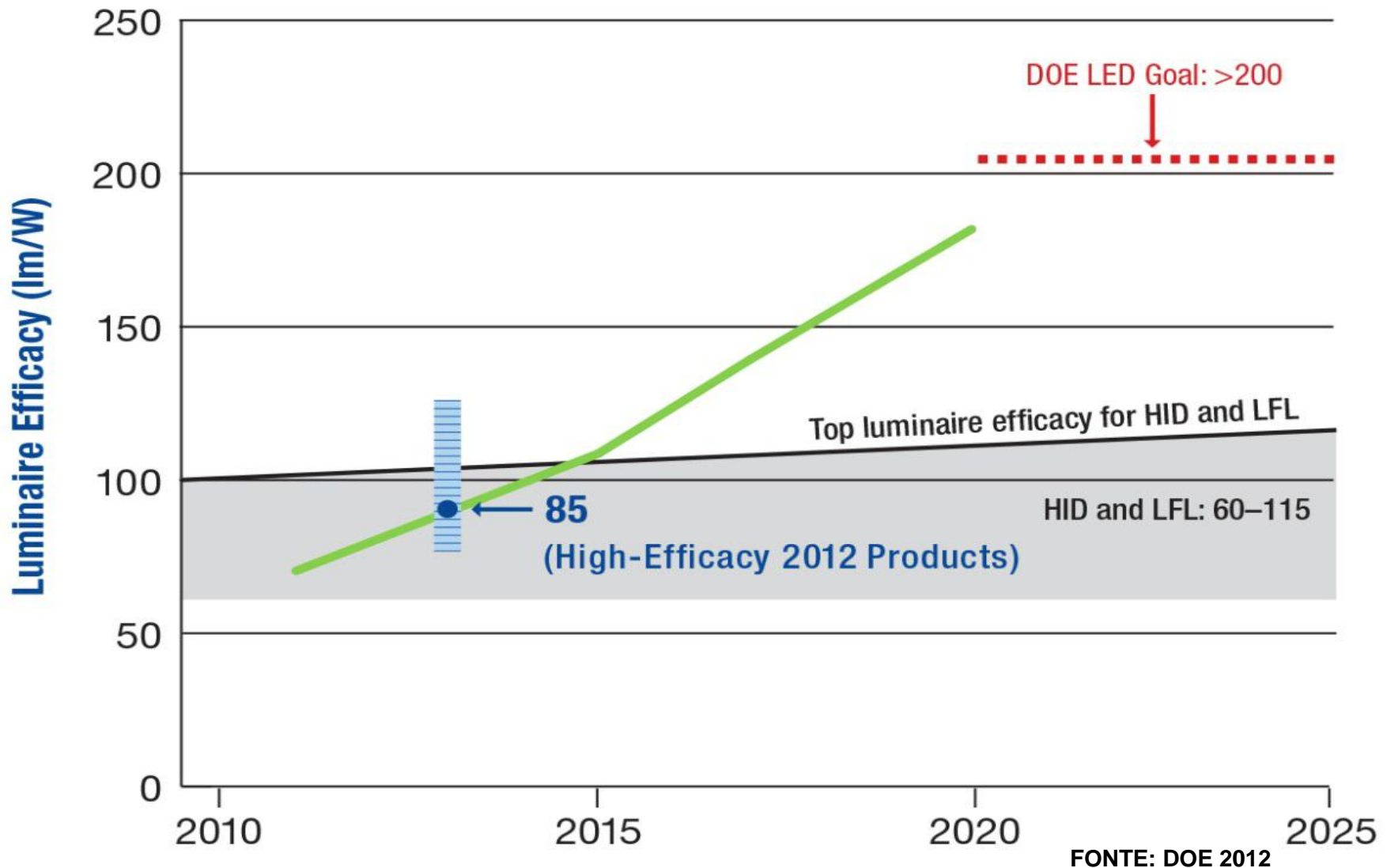
FONTE: DOE 2012



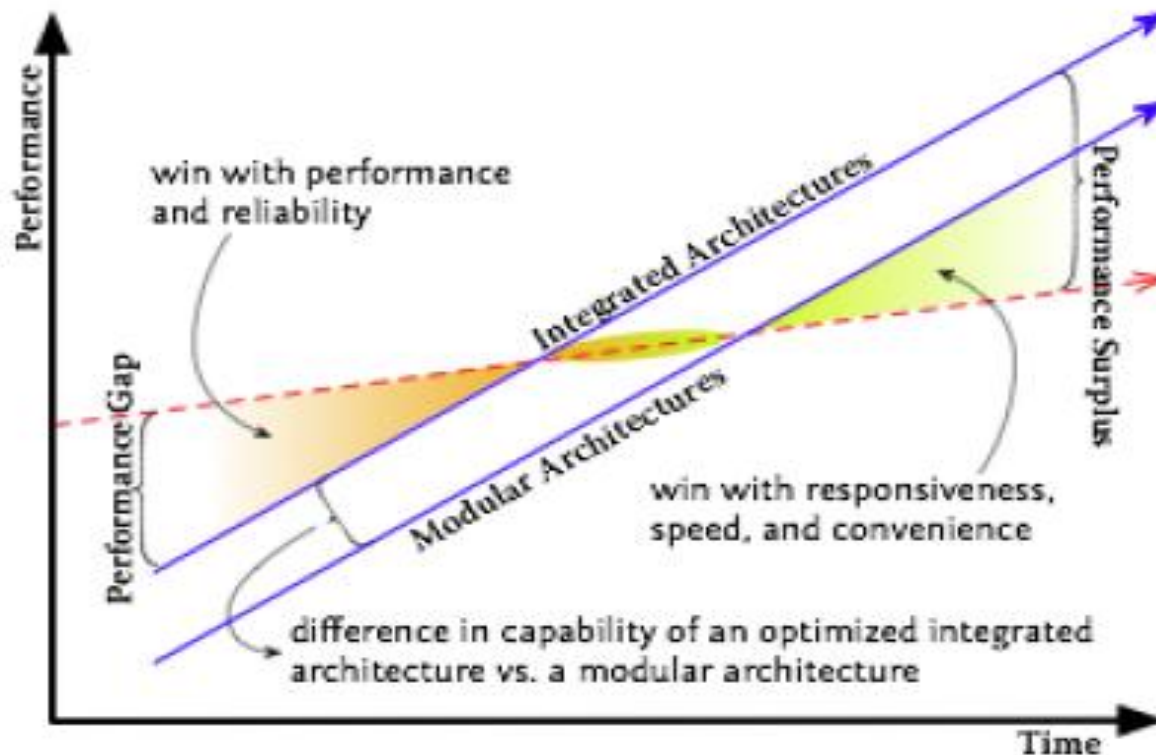
LED Price (\$/klm) Improvement

FONTE: DOE 2012

LEDs SUPERANDO OUTRAS TECNOLOGIAS



A MODULARIDADE E INTEGRAÇÃO ALVANCAM O DESEMPENHO



Clayton Christensen and Michael Raynor,
*The Innovator's Solution: Creating and
Sustaining Successful Growth*









HOLANDA



ALEMANHA



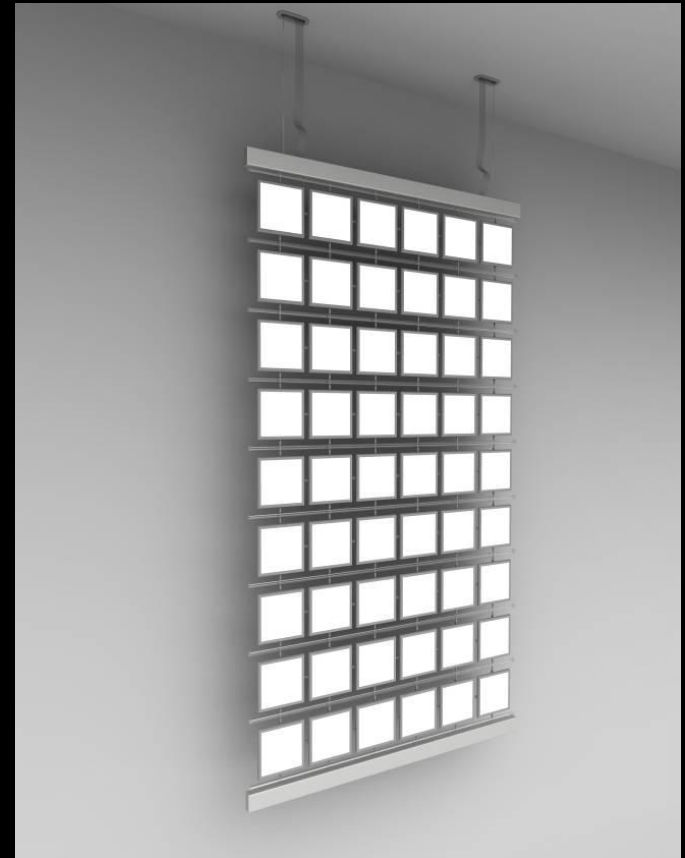
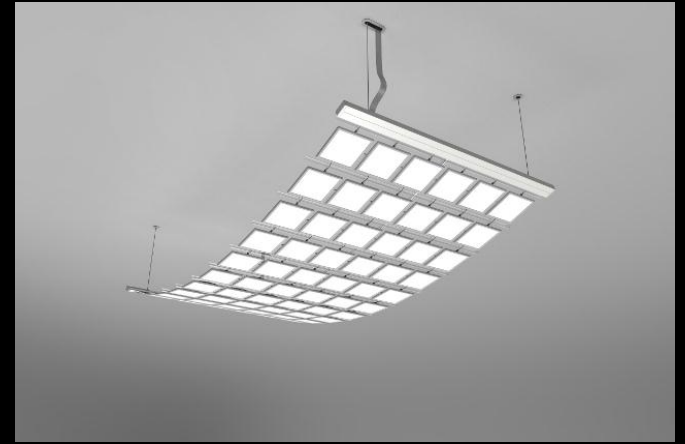
EUA



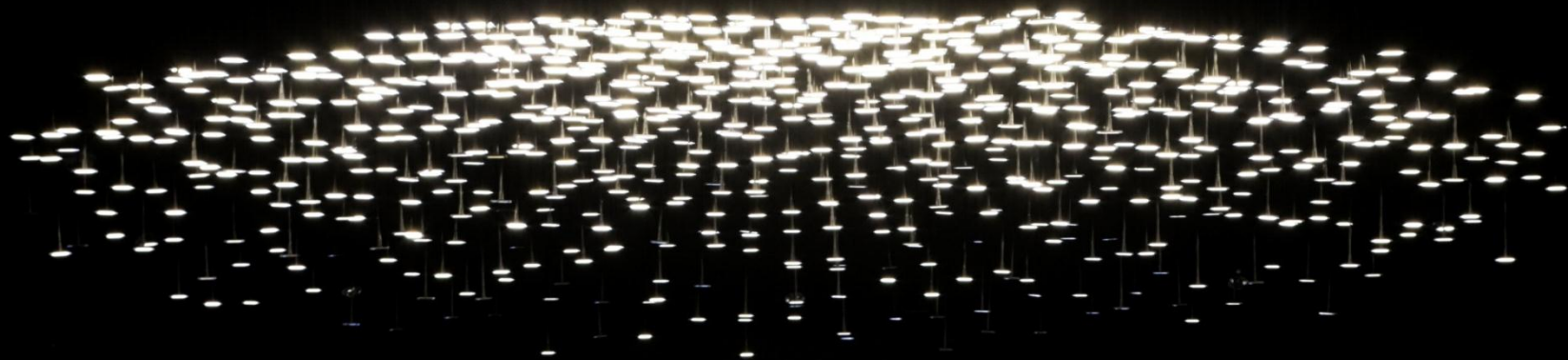
CHINA



INGLATERRA







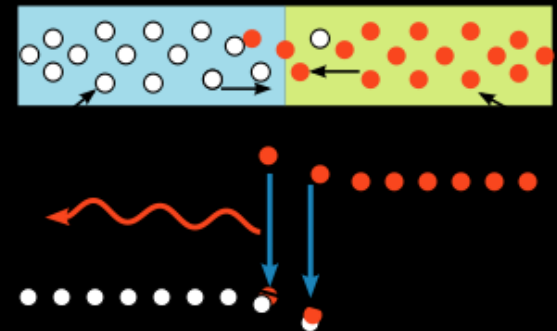
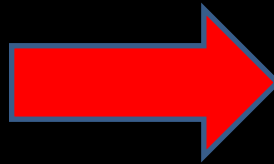


**A ILUMINAÇÃO
É COMPATÍVEL COM :
SUSTENTABILIDADE
ECONOMIA
É BOA PARA O BRASIL**

SIM

NÃO

GRATO PELA ATENÇÃO



ISAC ROIZENBLATT

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