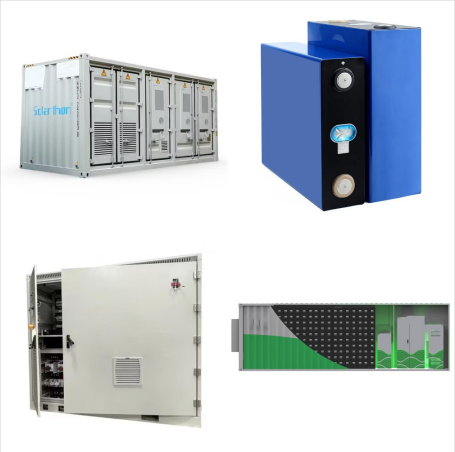
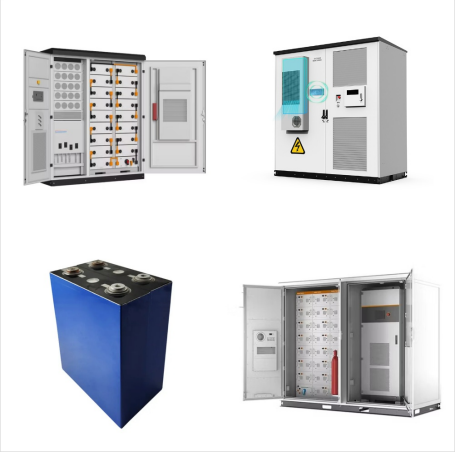
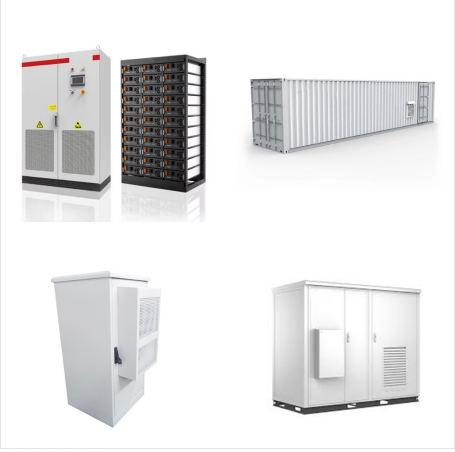


The U.S. Department of Energy (DOE) has published a new Lighting Market Characterization (LMC) report for baseline year 2020. The new report details how many lighting products (lamps and luminaires) were installed in the U.S. as of 2020, where they were installed, and how much energy they consumed.

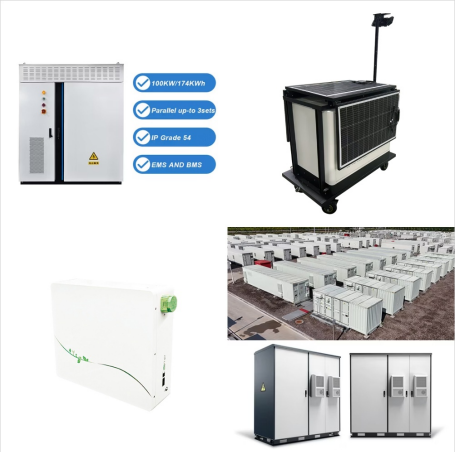


Volume 19, Issue 3, March???April 2018, Pages 134-145. LEDs: the new revolution in lighting / Les LED : la nouvelle r?volution de l''?clairage based on analyses performed through the U.S. Department of Energy Solid State Lighting Program, various LED and luminaire loss channels are elucidated, and critical areas for improvement identified

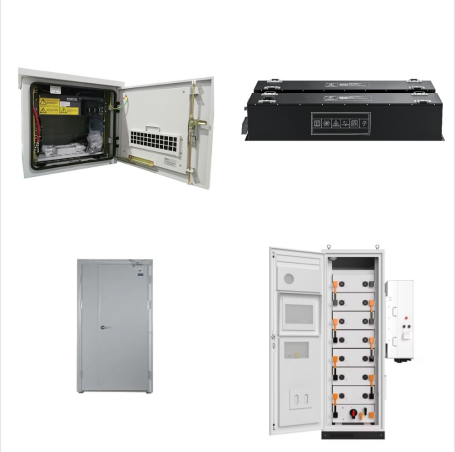


authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof. Date: Updated April 2012. 1 . ACKNOWLEDGEMENTS. The Department of Energy would like to acknowledge and thank all the participants for their . Energy program on Solid-State Lighting. This report focuses on Core Technology

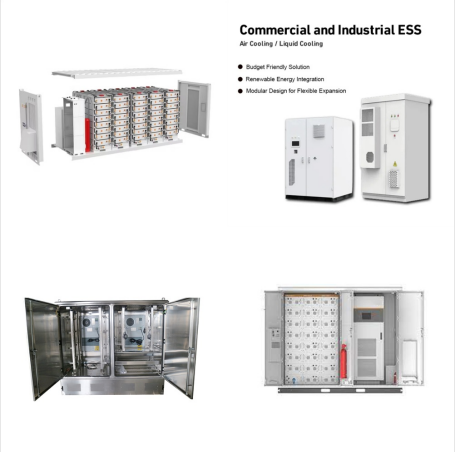
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



DOE-funded Solid-State Lighting R& D projects tackle the science and technology challenges that stand in the way of achieving SSL Program targets for efficacy, performance, and cost. All project selections align with the priorities and targets detailed in the Solid-State Lighting Opportunities document, updated annually with industry input.

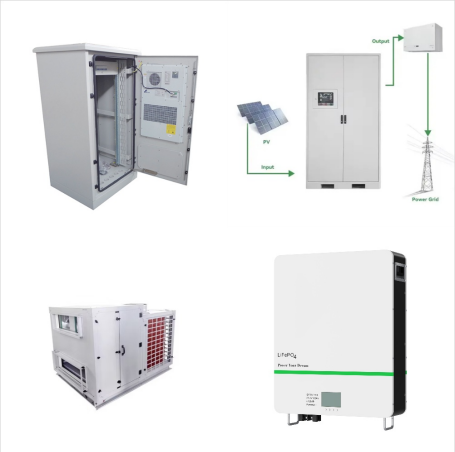


Work with Us Newsroom; Careers; Energy.gov Offices; National Labs; Solid-State Lighting. 2019 Lighting R& D Opportunities January 23, 2020 foundational R& D needs for lighting technology and lighting application understanding that will result in maximum energy savings while also optimizing for building occupant well-being and productivity.

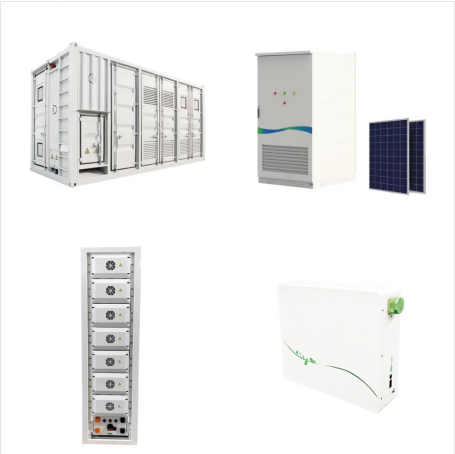


The U.S. Department of Energy (DOE) Building Technologies Office (BTO), within the Office of Energy Efficiency and Renewable Energy (EERE), has published the 2022 edition of its report, Solid-State Lighting R& D Opportunities. The report presents the critical opportunities that exist to positively impact energy savings, greenhouse gas emissions, human well-being, ???

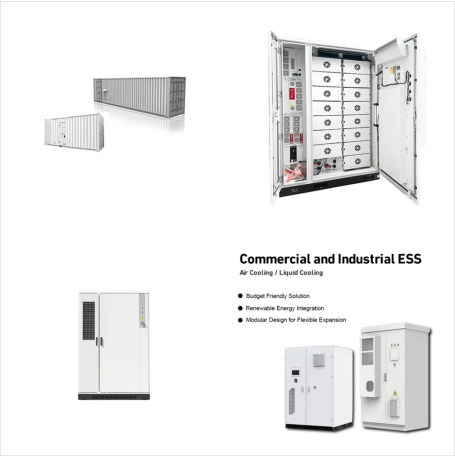
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY 1 DOE Solid-State Lighting Research and Development Dr. Brian Walker Technology Manager U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY 4 2018 LED Program Targets Best performing LEDs are only halfway to

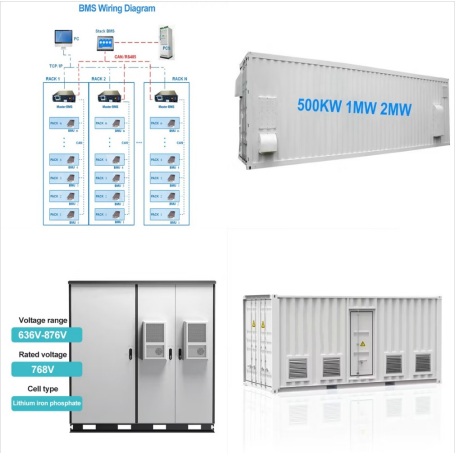


The US Department of Energy (DOE) report, "Energy Savings Forecast of Solid-State Lighting in General Illumination Applications," provides predictions of LED market penetration and energy savings compared to conventional lighting Annual Energy Outlook (AEO) 2018 to project changes in lighting demand going forward. ??? Step 4: Calculate

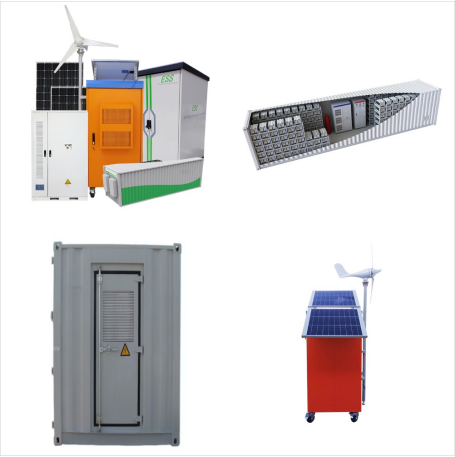


Work with Us Newsroom; Careers; Energy.gov Offices; National Labs Solid-State Lighting News Solid-State Lighting; Solid-State Lighting News; September 17, 2024 Today, the U.S. Department of Energy (DOE) announced six winners in Phase Two of the DOE Lighting Prize (L-Prize(R)) competition.

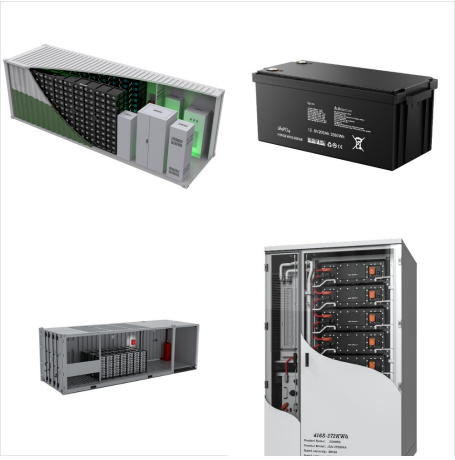
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



The U.S. Department of Energy (DOE) partners with businesses, universities, and national laboratories to accelerate improvements in solid-state lighting (SSL) technology. These collaborative, cost-shared efforts This document, the 2018 Solid-State Lighting Project Portfolio, provides an overview of all SSL projects that

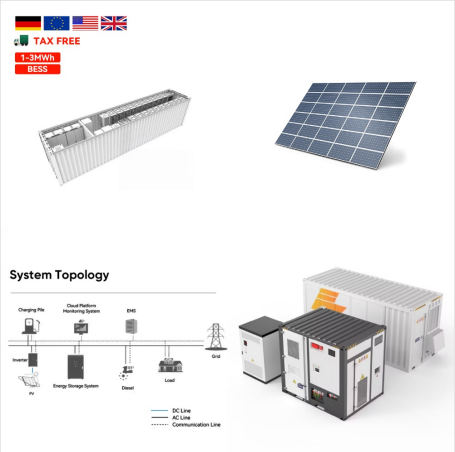


The latest edition of the DOE report, Adoption of Light-Emitting Diodes in Common Lighting Applications, models the current state of the U.S. general-lighting market and provides analysis on realized and potential energy- and money-saving benefits associated with LED lamps and luminaires. Adoption of Light-Emitting Diodes in Common Lighting Applications (Report, ???

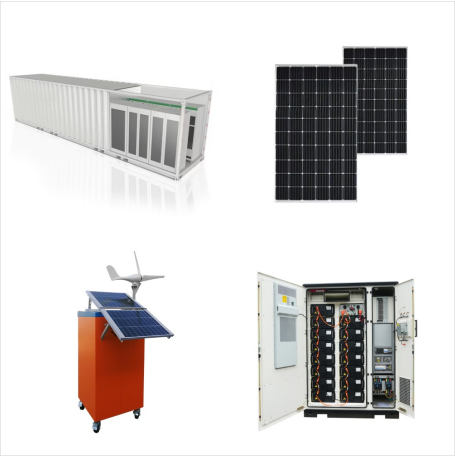


Guidehouse, Inc., Washington, DC (United States) Sponsoring Organization: USDOE Office of Energy Efficiency and Renewable Energy (EERE), Building Technologies Office (EE-5B) (Solid-State Lighting) OSTI ID: 1862626 Report Number(s): DOE/EE-2542; 8851 Country of Publication: United States Language: English

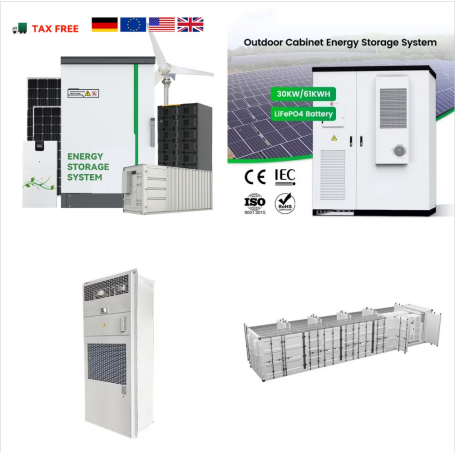
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



that would accrue due to the increasing market penetration of energy-efficient solid state lighting. The U.S. Department of Energy (DOE) and National Electrical Manufacturers Association (NEMA) are collaborating on a Next Generation Lighting Initiative to accelerate the development of white-light SSL

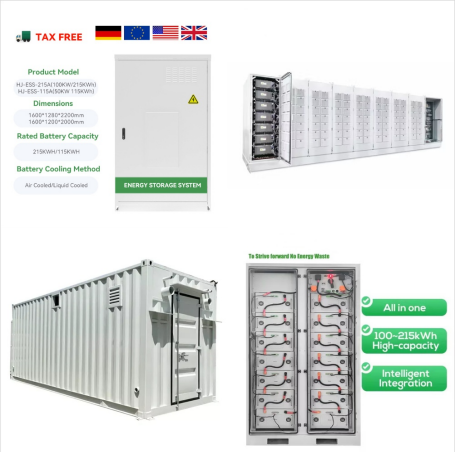


The U.S. Department of Energy (DOE) has published the latest edition of its biennial report, Energy Savings Forecast of Solid-State Lighting in General Illumination Applications, which models the adoption of LED lamps and luminaires in the U.S. general-lighting market. The new report projects that, due to increased technology innovation, energy savings ???

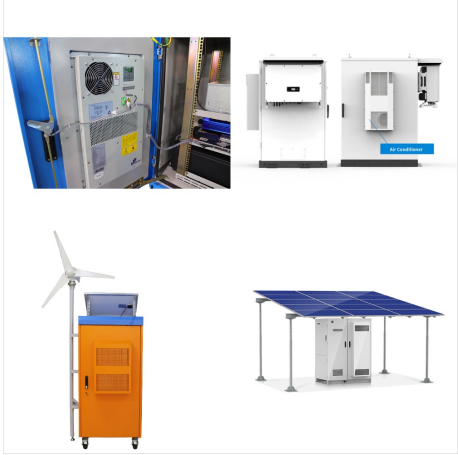


The Energy Policy Act of 2005 (EPACT 2005) and the Energy Independence and Security Act of 2007 Work with Us Newsroom; Careers; Energy.gov Offices; National Labs; The DOE Solid-State Lighting Program fosters U.S. scientific capabilities, leverages private funds, provides internationally trusted information, and drives innovation to

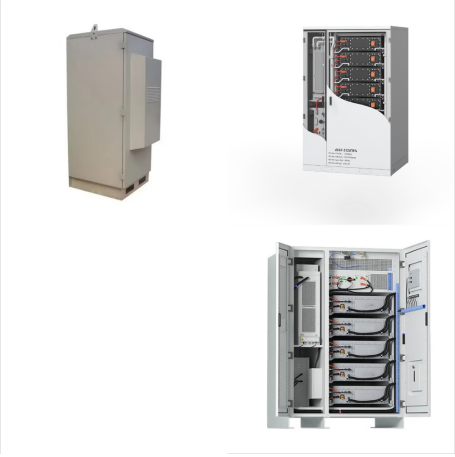
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY 2 DOE SSL Program Mission and Goal By 2030, develop advanced SSL technologies that ???compared to conventional lighting technologies ???are much more energy efficient, longer lasting, and cost competitive, by targeting a product system efficiency of 50 percent with ???

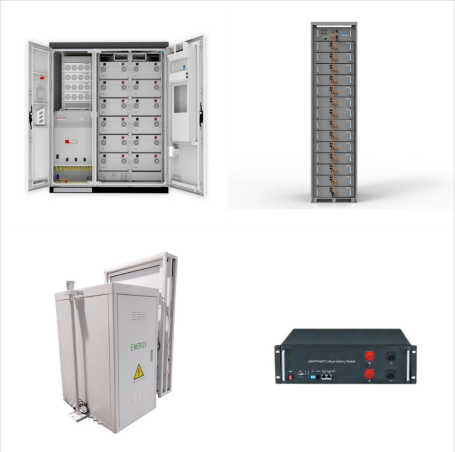


Recently, white organic light emitting devices (OLEDs) have emerged as the leading technology for the new display and lighting market which has attracted substantial attention of manufacturers, product designers, and end users. OLED devices have already entered into high end lighting markets such as designer, automotive, aerospace, high-end ???

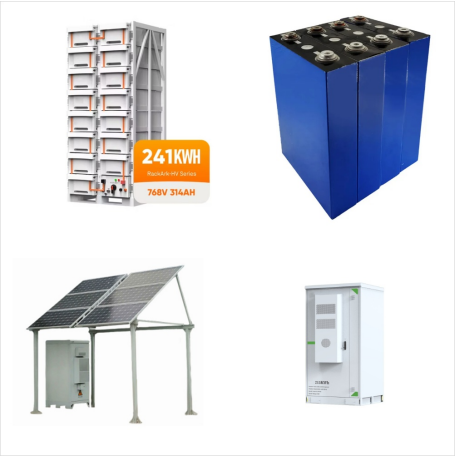


In recent years, solid-state lighting (SSL) has emerged as a promising new lighting technology that Department of Energy (DOE) has invested public funds in research and development to support advancements in the performance and energy efficiency of SSL technology, as well as a range of activities intended to increase the likelihood of rapid

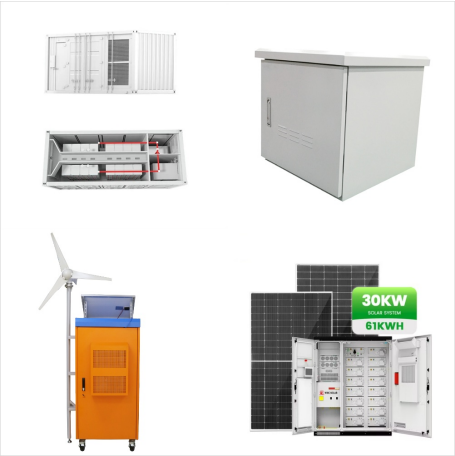
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



The U.S. Department of Energy (DOE) has published the latest edition of its biennial report, Energy Savings Forecast of Solid-State Lighting in General Illumination Applications, which models the adoption of LED lamps ???



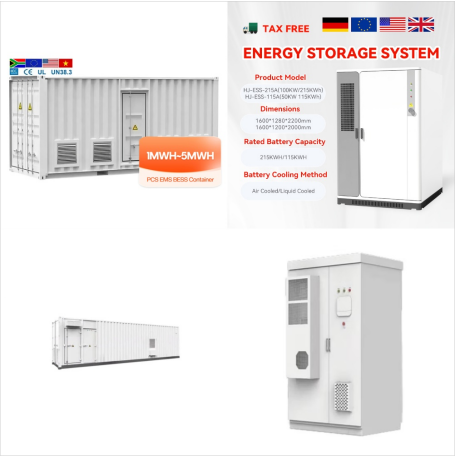
Solid-State Lighting R& D Opportunities. 2022 DOE SSL Manufacturing Status & Opportunities. The Impact of Circadian Lighting Design Strategies on Lighting and Cooling Energy of an Office Space. Lighting for Health and Wellness Recommendations in Offices. Operating Lifetime Study of UV LED Products. All Reports, Roadmaps, Market Studies, and



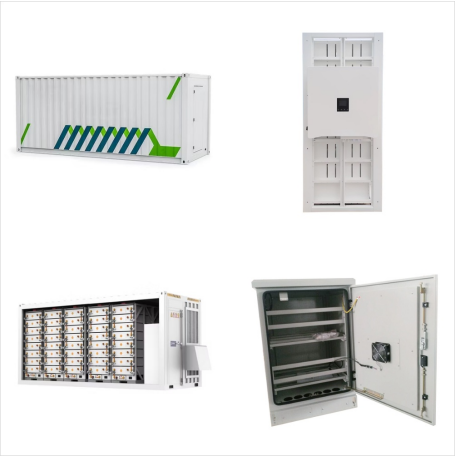
The U.S. Department of Energy (DOE) has published the latest edition of its biennial report, Energy Savings Forecast of Solid-State Lighting in General Illumination Applications, which models the adoption of LED lamps and luminaires in the U.S. general-lighting market, along with associated energy savings based on the full potential DOE has determined to be technically ???

2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING

US Department of Energy Solid State Lighting R& D Workshop Paul Lutkevich WSP . Paul.Lutkevich@wsp . I"m a Lighting Balancing Performance, Safety, Energy, Health, and Environmental Impacts of Roadway Lighting A presentation from the 2018 Solid-State Lighting R& D Workshop, held January 29-31, 2018 in Nashville, TN. Created Date: 2/5

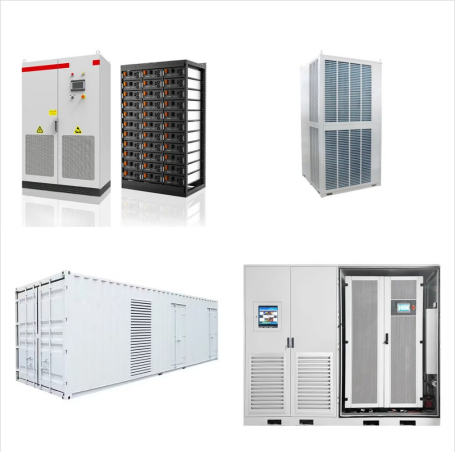


The Energy Department is interested in feedback or comments on the materials presented in this document. SSL Solid-State Lighting tBtu Trillion British Thermal Units TWh Terawatt-hour U.S. United States Table ES.1 2018 LED Lighting Installations and Energy Savings by Application Application 2016 LED Installed Penetration (%)

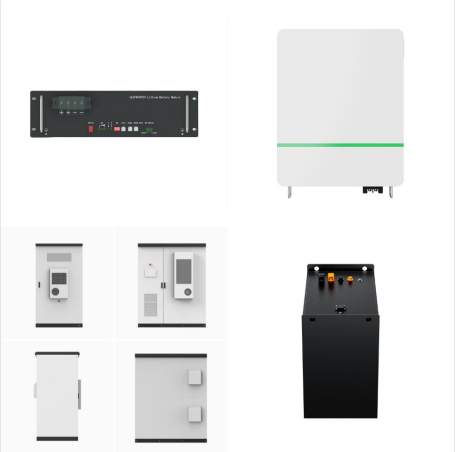


EERE Publication and Product Library, Washington, D.C. (United States) Sponsoring Organization: USDOE Office of Energy Efficiency and Renewable Energy (EERE), Energy Efficiency Office. Building Technologies Office OSTI ID: 1220487 Report Number(s): DOE/EE-1228; 7101 Country of Publication: United States Language: English

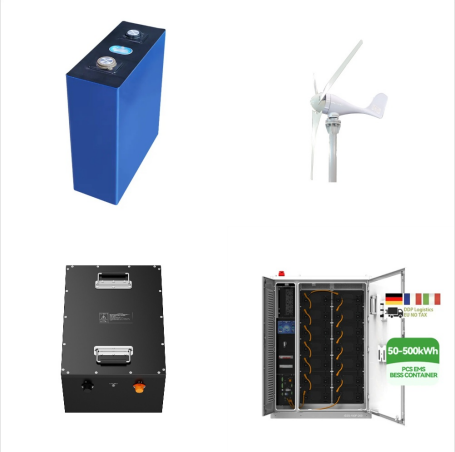
2018 US DEPARTMENT OF ENERGY SOLID STATE LIGHTING



Over time, the LED Lighting Facts database grew to include more than 70,000 products and to serve more than 2,800 partners (manufacturers, retailers and distributors, lighting professionals, and energy-efficiency program sponsors). The LED Lighting Facts program officially ended in ???



Workshop Presentations and Materials. Over 1,500 researchers, manufacturers, industry insiders, academics, and other lighting stakeholders from the U.S. and abroad gathered for DOE's 19 th annual Solid-State Lighting Workshop, held January 31???February 3, 2022. The workshop, a cornerstone of DOE SSL program planning, was once again cosponsored by the ???



Organic light-emitting diode (OLED) sources are an emerging solid-state lighting (SSL) technology for use in indoor lighting applications. Some of the advantages that OLED technologies could potential ly provide to the general lighting market include thin light fixture profiles, low light source glare, uniform diffuse lighting, and