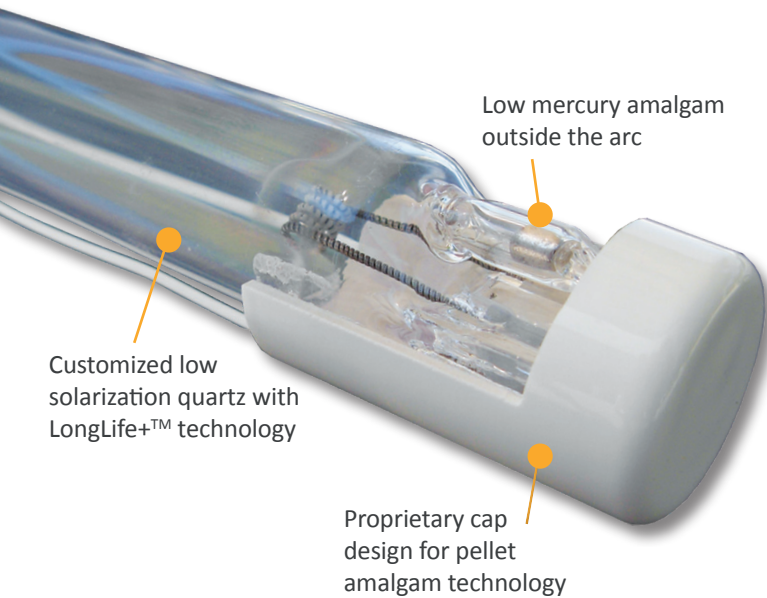


# Pellet Amalgam Lamps

Cutting edge technology for your future success!



## Cost Savings Compared to Spot Amalgam Lamps



- Increased output
- Greater efficiency
- Operation in more extreme ambient environments
- Up to 16,000 operating hours
- Maintaining up to 90% UVC output at end of life
- Provided with high efficiency electronic ballast-lamp package

Long known for innovation, LightSources and LightTech take great pride in having pioneered pellet technology for amalgam lamps. This **cutting edge technology** was developed and patented by LightSources in the United States and by LightTech in Europe.

The major benefit of pellet as opposed to spot technology, is that pellet amalgam lamps can be operated to produce **higher UV intensity**. This provides the benefit of **increased UV efficiency**, while lamp power is reduced for cost savings.



## A Great Plus: Universal Installation

LightSources is the only manufacturer to offer universal installation. Lamps function with equal efficiency in both **horizontal and vertical** operations.



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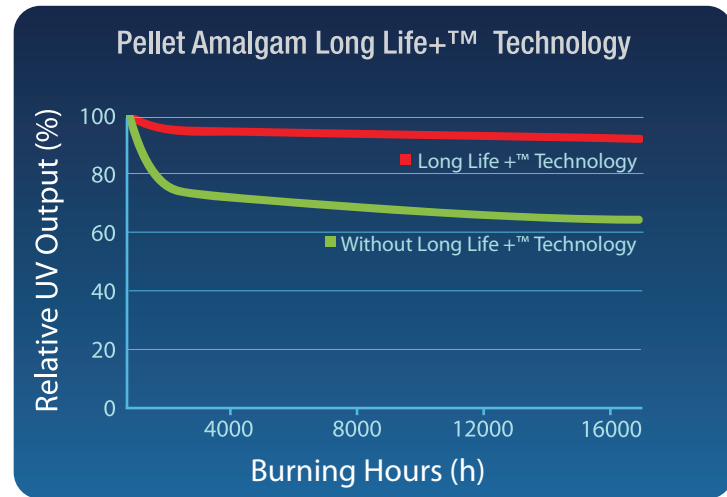
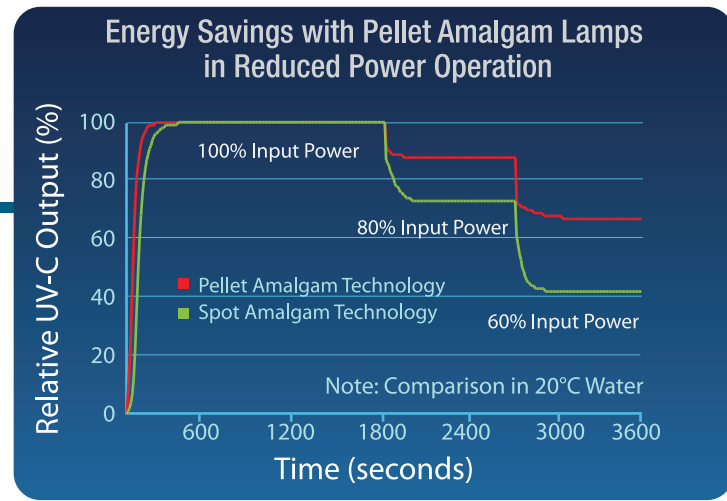
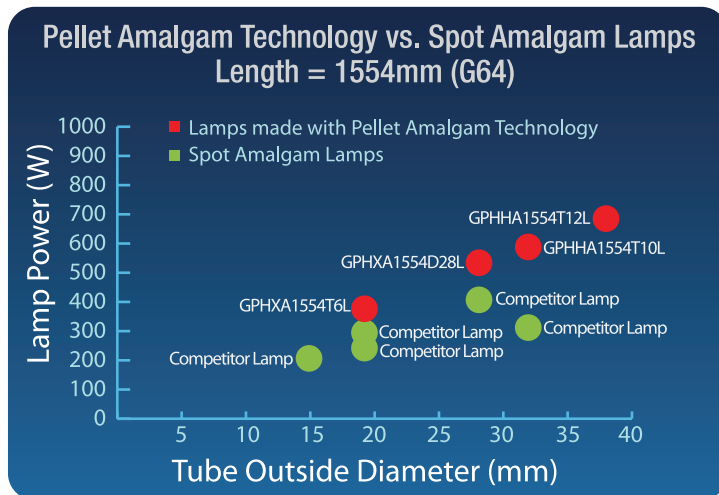
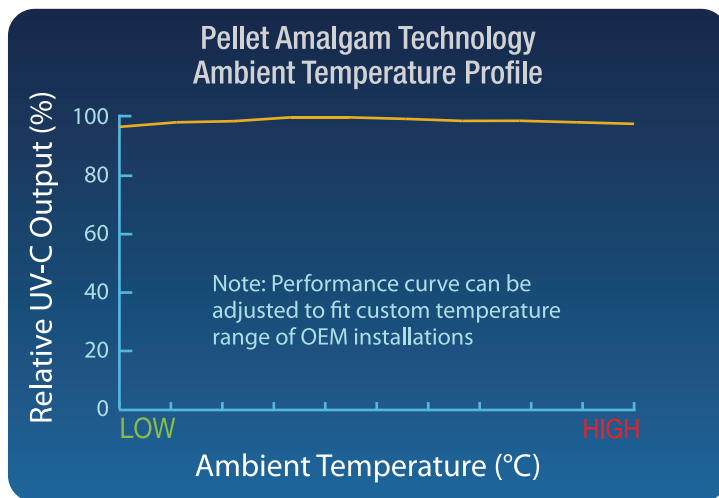
LightSources, Inc. Phone: +1 203 799-7877, Fax: +1 203 795-5267, [www.germicidal.com](http://www.germicidal.com)

LightTech Lamp Technology Ltd. Phone: +36 27 541-800, Fax: +36 27 390-099, [www.lighttech.hu](http://www.lighttech.hu)

LightTech  
  
LightSources

# Pellet Amalgam Lamp Features

- **Outside diameter:** 15mm - 38mm
- **Length:** up to 2.5meters
- **Electrical power:** up to 1,000W
- **Nominal UV efficiency at 254nm:** 35%
- **Power per unit length:** up to 5W/cm
- **UVC intensity per unit length:** up to 1,700mW/cm
- **Ambient application temperature range:** 4 - 40°C
- **Operating hours:** up to 16,000hrs
- **End of life efficiency:** up to 90%



## Electronic Ballast Features

- **Operating parameters matched to LightSources lamps:** lamp current, preheat current, preheat time, power level, increased and optimized wall-plug to UV efficiency
- **Customized development with optional add-on features:** preheat starting, adjustable power level, remote or manual operation, optional control and monitor via RS-485 port of PLC or Windows PC, lamp fault indication by LED and/or relay contact
- **Housing and mounting options for cost and space savings:** two lamp operations via one circuit board, rack mounting option