

The future of Hg-containing lamps

EEB Meeting, Brussels June 27, 2008



lighting solutions
for a better environment



imagination at work

GE committed to reduce Hg

ecomaginationSM
a GE commitment

Today



Future

**Promoting
energy savers**

- Improved efficiency
- Extended life
- Consistent Hg reduction



**Investing in Hg-free
technologies**

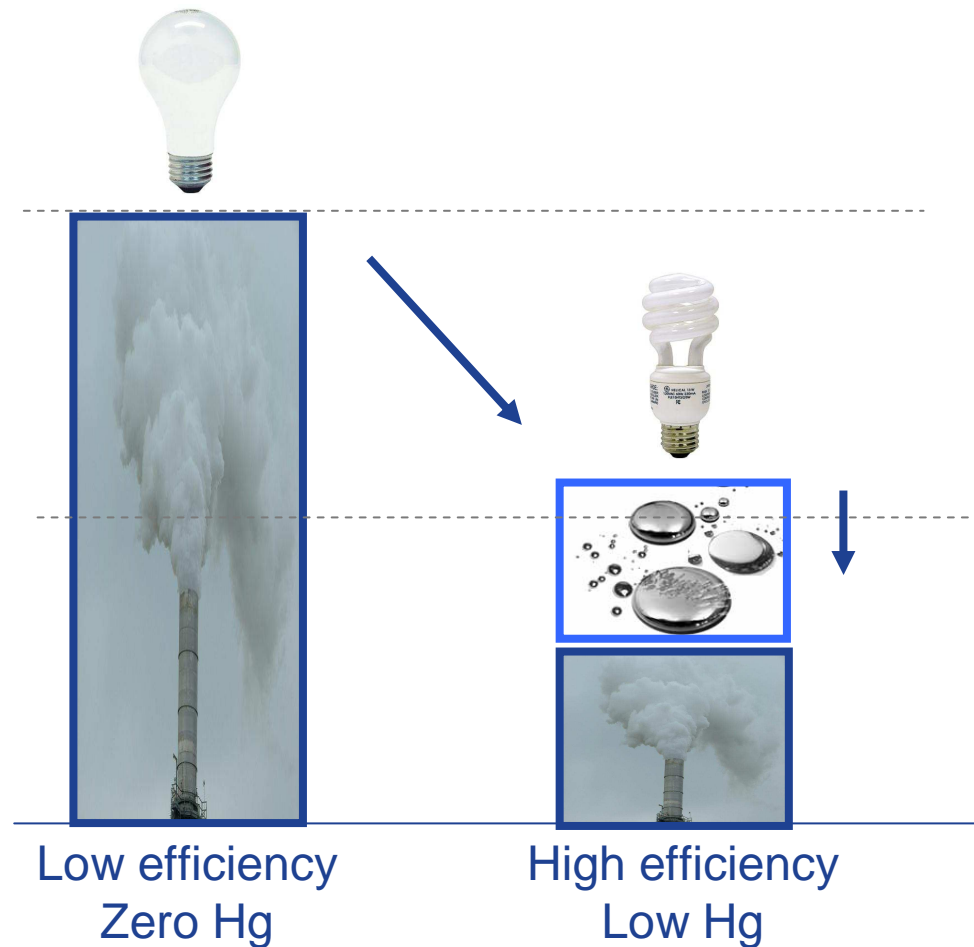
Total environmental impact

Power consumption + life + mercury in lamp

Sources of Hg emission



Hg emissions by light sources



Priorities to reduced GHG and Hg emissions, efficiency and life



5-12% energy saving vs. industry standard



Extended life
Reduced maintenance costs



2008 Leadership Products

<p>Introducing our innovative range of lamp solutions to meet your lighting, environmental and maintenance needs.</p>  <p>GE Imagination at work</p>	<p>T5 Watt-Miser™</p> <p>Energy Savers</p> <ul style="list-style-type: none"> • 2% energy saving with existing fittings and control gear • reduces CO₂ and other greenhouse gas emissions 	<p>T8 Watt-Miser™</p> <p>Energy Savers</p> <ul style="list-style-type: none"> • 10% energy saving with existing fittings and control gear • Same colour performance as PolyLux XL™ 	<p>2D Watt-Miser™</p> <p>Energy Savers</p> <ul style="list-style-type: none"> • 14% energy saving with existing fittings and control gear • A Class energy rating 	<p>T5 Longlast™</p> <p>Maintenance savers</p> <ul style="list-style-type: none"> • Service life up to 25,000 hrs (32 hr cycle) • Light output same as industry standard T5 • Reduces replacement and maintenance costs 	<p>T8 PolyLux™ Longlast™</p> <p>Maintenance savers</p> <ul style="list-style-type: none"> • Service life - 25,000 hrs (12 hr cycle) • Light output same as industry standard T8 • Reduces replacement and maintenance costs 	<p>High Lumen Biax Longlast™</p> <p>Maintenance savers</p> <ul style="list-style-type: none"> • Service life increased by 75% • Reduces replacement and maintenance costs 	<p>3 months Free office lighting*</p> 
<p>CFL Biax Longlast™</p> <p>Maintenance savers</p> <ul style="list-style-type: none"> • Double the service life versus standard biax • Reduces replacement and maintenance costs 	<p>T8 PolyLux™ XLR™</p> <p>Performance upgrade</p> <ul style="list-style-type: none"> • triphosphor fluorescent tubes • Longer life, more light output and better quality of light versus standard T8 	<p>CMH Mini Plus</p> <p>Performance upgrade</p> <ul style="list-style-type: none"> • extends 20W, 35W and 40W life up to 60% • Improved lumen maintenance 	<p>CMH Supermini</p> <p>Improved versatility</p> <ul style="list-style-type: none"> • Allows miniaturisation of fixtures (only 52mm long) • Available in 20W and New 35W versions • 35W available in 3000K and 4200K, 90 CRI 	<p>CMH Precise MR16</p> <p>Improved versatility</p> <ul style="list-style-type: none"> • World's smallest CMH reflector lamp • Industry standard GX10 base • 25W available in 3000K and 4200K, 90 CRI 	<p>CMH Open rated</p> <p>Performance upgrade</p> <ul style="list-style-type: none"> • Protective shroud allows for use of product in open-aisles • 10-20% more efficient than standard metal halide • Fits standard HES and metal halide sockets 	<p>CMH 250W</p> <p>Performance upgrade</p> <ul style="list-style-type: none"> • A leading combination of quality and efficient light versus other Hto lamps • Lamp life - 20,000 hrs • Colour consistency and 80 CRI 	<p>CMH 400W</p> <p>Performance upgrade</p> <ul style="list-style-type: none"> • Highest wattage CMH available • Lamp life - 20,000 hrs • Colour consistency and 80 CRI 
<p>75 Watt-Miser™</p>  <p>75 Watt-Miser™</p>	<p>CMH TD Range</p> <p>Range extension</p> <ul style="list-style-type: none"> • New 25W added to 40W and 150W range • 25W allows energy saving in wall wash fixtures 	<p>CFL T2 Spiral</p> <p>Next generation CFL</p> <ul style="list-style-type: none"> • Compact, miniature spiral design for greater versatility • Lamp life - 8,000 hrs • A Class energy rating 	<p>CFL T2 Soft T</p> <p>Next generation CFL</p> <ul style="list-style-type: none"> • Compact, miniature decorative incandescent design for greater versatility • Lamp life - 8,000 hrs • A Class energy rating 	<p>CFL T2 GLS</p> <p>Next generation CFL</p> <ul style="list-style-type: none"> • Compact, miniature incandescent 'look-alike' design for greater versatility • Lamp life - 8,000 hrs • A Class energy rating 	<p>Dimmable CMH for Street lighting</p> <p>Energy Savers</p> <ul style="list-style-type: none"> • Lamp is dimmable a 70% without significant impact to lamp colour • Greater than 50% CRI when 50% dimmed • Available in 150W, 400K 	<p>Lucalox™ XO for Street lighting</p> <p>Energy Savers</p> <ul style="list-style-type: none"> • Extra high output and long life HPS lamp • 4 years service life 	<p>To learn more about our range of lamps designed to meet your lighting, environmental and maintenance needs call</p> <p>FREEPHONE 0800 822 3969 quoting reference 0810 or visit www.gelightsolutions.eu</p>  <p>GE Imagination at work</p>



GE imagination at work