



Tiger Light Pty Ltd

LG Plasma Lighting Systems



March 2010

A Breakthrough in Energy Efficient Lighting Systems



What is PLS?

- **LG Electronics** division has announced the launch of its Plasma Lighting Systems (PLS), the next generation of lighting systems.
- Targeting the high wattage market (300 watt +) the company is expecting global sales of US\$ 1 billion by 2015.
- PLS uses microwaves to produce plasma energy, eliminating the need for mercury and traditional electrodes.
- LG has appointed **Tiger Light Pty Ltd** as its exclusive distributor in Australia & New Zealand.



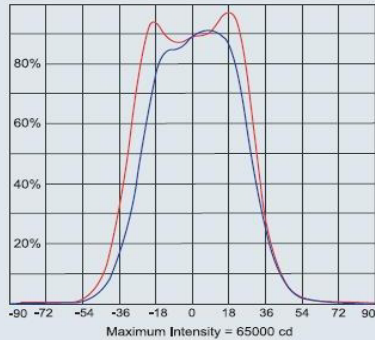
The Benefits of PLS

- 140 lumens per watt compared to 15 lumens per watt for conventional lighting systems – *much brighter*
- Saves 50 % in power usage.
- Does not fade after long usage.
- Lasts an average of 20,000 hours in continuous use.
- Eco friendly, no mercury, no UV.
- Produces light that is closest to natural sunlight.

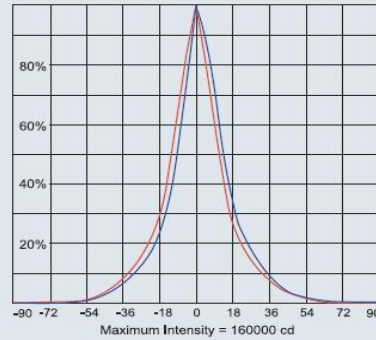


PLS Performance

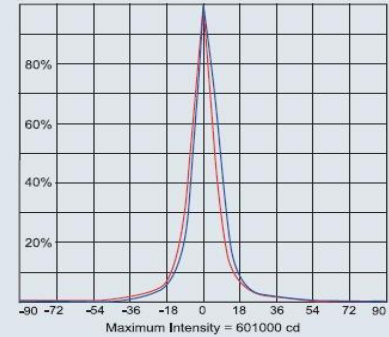
Luminous Intensity Distribution



Beam Angle = 60

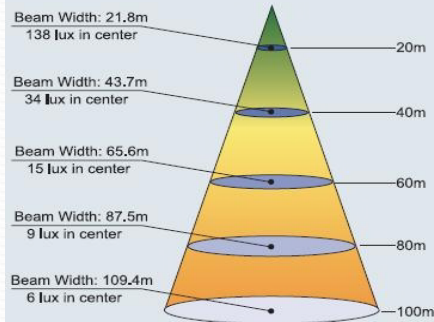


Beam Angle = 20

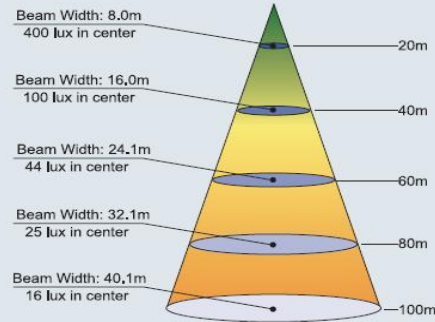


Beam Angle = 10

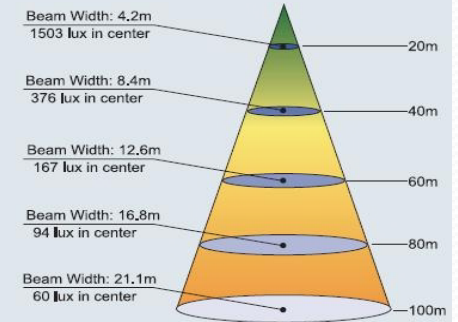
Cone Lux Diagram



Beam Angle = 60



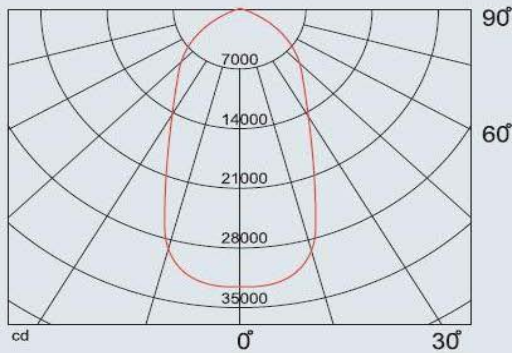
Beam Angle = 20



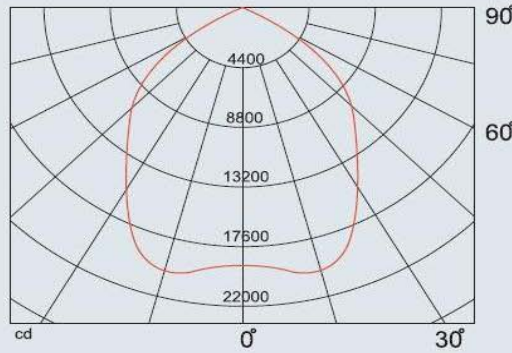
Beam Angle = 10

PLS Performance

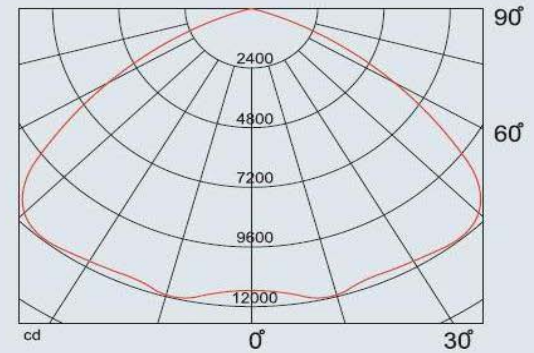
Luminous Intensity Distribution



Beam Angle : 50°

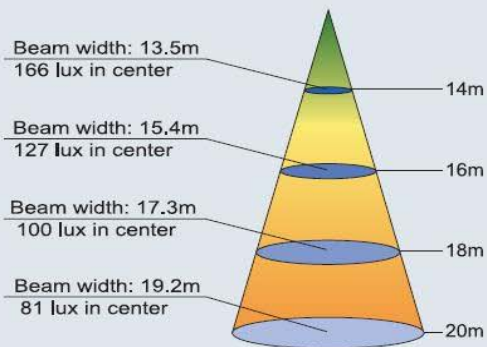


Beam Angle : 90°

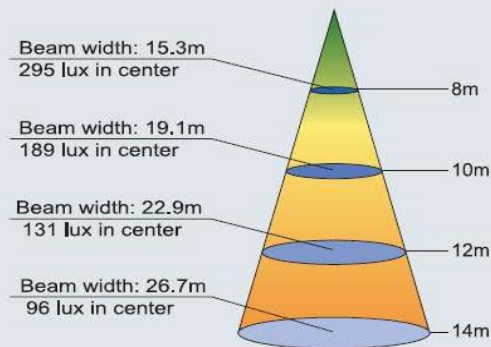


Beam Angle : 120°

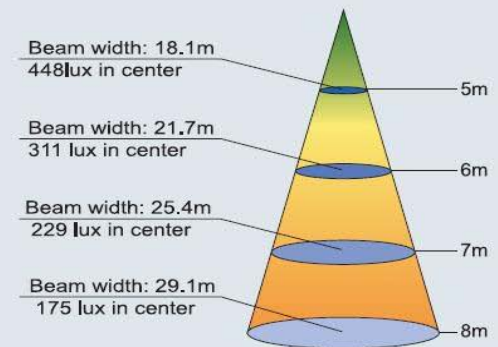
Cone Lux Diagram



Beam Angle = 50°



Beam Angle = 90°



Beam Angle = 120°

Excellent Quality of Light

- High color rendering capacity
- Excellent color reproduction through natural light
 - Comfortable visual recognition
- Even distribution of light, even in spaces with a ceiling of more than 6m high
 - Safe



Where Will PLS Be Most Effective?

- *Flood Lighting*















Where Will PLS Be Most Effective?

- *Indoors – Large Spaces*











Find Out More About PLS

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