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**Subject:** East Riverfront Lighting Standards  
**Date:** Wednesday, July 06, 2016 1:51:14 PM  
**Attachments:** [image001.png](#)

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Kathleen,

Speaking with Operations, DPU streetlights does not maintain a metal halide lamp for the Charleston "Hanover" ornamental. We have the 150W high pressure sodium as the standard for that ornamental. DPU does have a color rendering lamp that is in use for the ongoing Fan lighting project that fits in the Charleston "Hanover" ornamental. It's a high pressure sodium lamp but it's closer to the whiter/cooler spectrum of the metal halide. I'm not sure if this is something we want to explore or not. As was mentioned in the meeting the metal halide fixtures are much less efficient, so you're going to have some closer spacing to get same illumination levels to meet the City standard.

This chart was part of a white paper by the Dark Sky Society and clearly shows a lower lumen per watt and short life for the metal halide lamps.

**High Pressure Sodium vs. Metal Halide**  
**Mean Lumens, Average Life, and Mercury Content**  
Data courtesy Long Island Power Authority

	High Pressure Sodium		Metal Halide	
	400W	250W	400W	250W
Mean lumens	45,000	26,100	20,500	14,100
Average rated life (hours)	24,000+	24,000+	15,000	10,000
Mercury content (mg)	15	15	81	38

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