











3



		Efficiency		CRI	5000-6500K
	25 °C	75 °C	125 °C		(Daylight White)
Yellow Garnet	100%	96%	88%	70-80	
Yellow Orthosilicate	96%	91%	70%	ca. 65	
(Gamet + Red Nitride) I (Gamet + Red Nitride) II (Gamet + Red Nitride) III	100% 112% 123%	80 5 75 5 70) 809 609	6	
TAG	116%	76			
Orthosilicate 1	105%	03	209	6	
Orthosilicate 1	105%	63	209	« <u> </u>	-3000 K, Ra=89



















- Performance parameters
 - Lower cost, higher efficiency, higher intensity, higher CRI, and variable color temperature.
 - Limited by stability and active material
- Solutions
 - Research into more phosphor materials
 - "Anti-quenching"
 - Chemical Barriers
 - Refractive Index