

LED Lighting – Value and Opportunities

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SSL Market Growth – It's Happening!

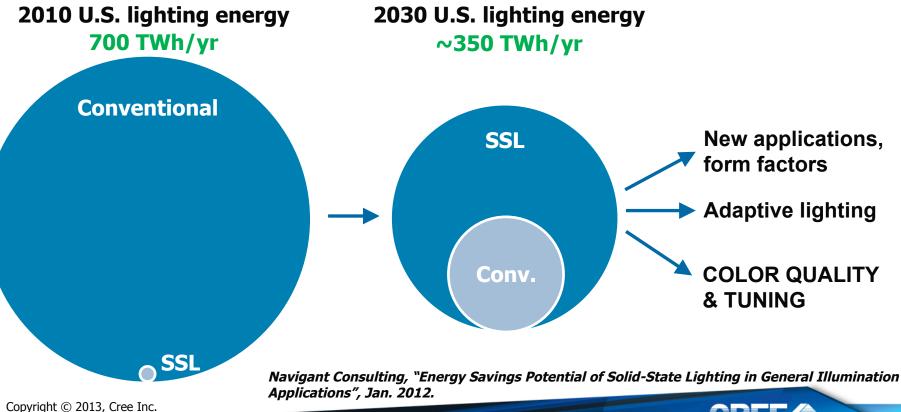
 By now, superior LED efficiency in any application, 10⁺ year reliability, and high light quality are a given





SSL – Lighting that goes "beyond"

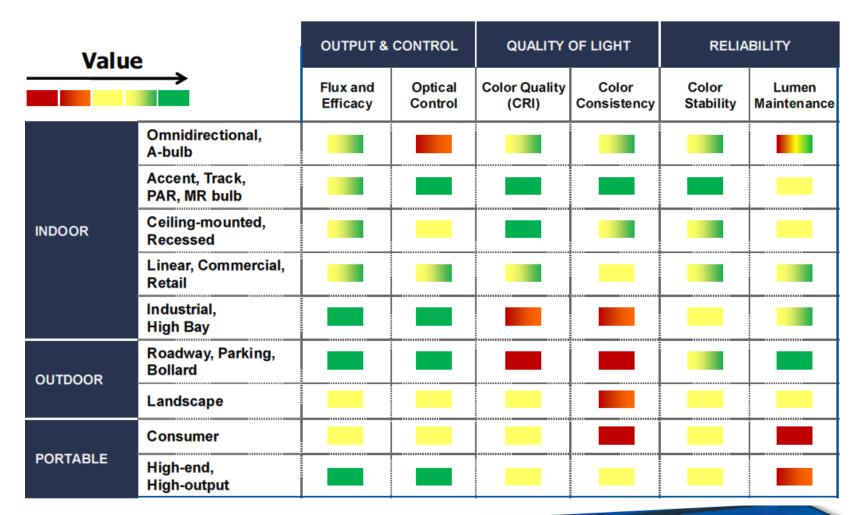
- Driving SSL adoption what's needed?
 - <u>Value</u> features not possible/feasible with conv. sources
 - <u>Purchase Cost</u> parity w/ conventional, or lower!
 - <u>Education</u> informed consumers who recognize benefits



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LEDs in Various Applications

• SSL: requirements vary widely by application

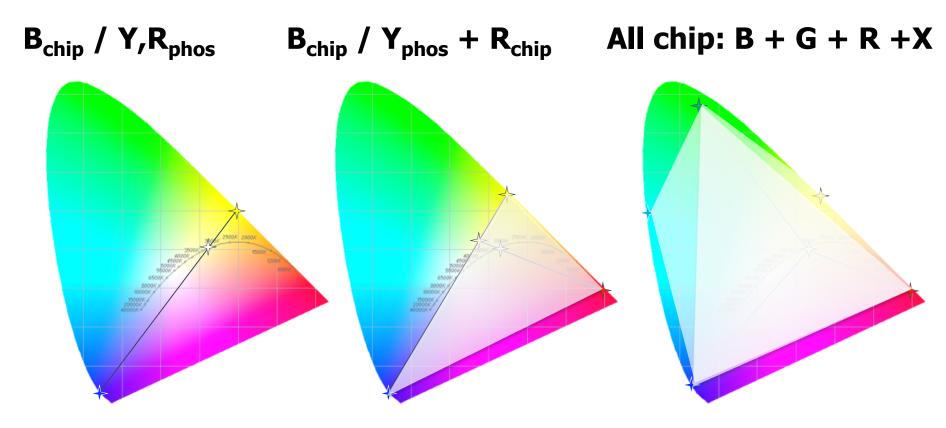




An LED "flavor" for every application



Opportunities for Color & Gamut



CRI	CRI	CRI
Efficacy	Efficacy	Efficacy
Tunability - Consistency	Tunability - Consistency	Tunability - Consistency
System Cost	System Cost	System Cost

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Summary

- SSL adoption is underway and will continue to be a technology driven race
 - > How best to accelerate it?
- SSL has several added features not feasible/practical with conventional sources – exploit this!
- Flexibility: tailor LEDs and systems to applications
- Master the often competing demands of features, application requirements, and cost



Q & A



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