



INTEMATIX

Corporate Overview

Making Lighting Better

Our Vision

INTEMATIX

Making lighting better

- ✓ Improving light quality
- ✓ Increasing efficacy
- ✓ Lowering solution cost

Enabled by products that bring...

- ✓ Brightest performance
- ✓ Highest color rendering
- ✓ High conversion efficiency

Demonstrating leadership with...

- ✓ Innovative phosphor solutions
- ✓ Broad choice of phosphors and delivery systems, remote phosphor

Innovation Leader in Phosphor Solutions

- **Complete Choice of phosphor materials and solutions**
 - Materials, colors, spectral shapes, particle sizes
 - Remote phosphor optical components
- **Over 460 issued and pending patents**
- **Enable LED and lighting system performance**
 - Lower cost of ownership, increase quality, increase efficacy



Intematix Timeline History

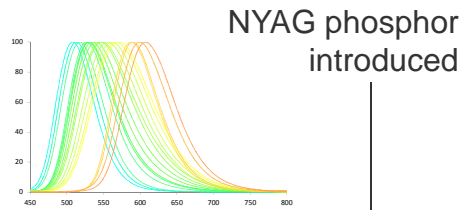


Company founded

Silicate phosphors introduced, lead in mobile



Materials discovery and IP



Deloitte Fast 500 Technology Growth Award for 5 consecutive years

ChromaLit Remote Phosphor introduced



2000

2001-2005

2006

2007

2008

2009

2010

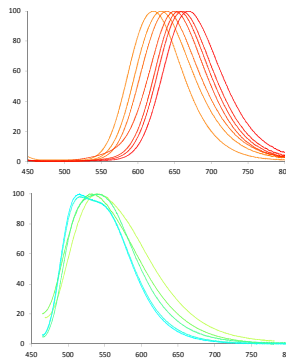
2011

2012

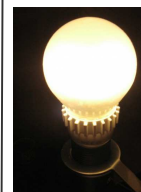
2013

2014

2003 - First venture capital investments



GAL and Red Nitride Products Introduced for lighting



Files IPO Registration

Linear Remote Phosphor wins 4 awards

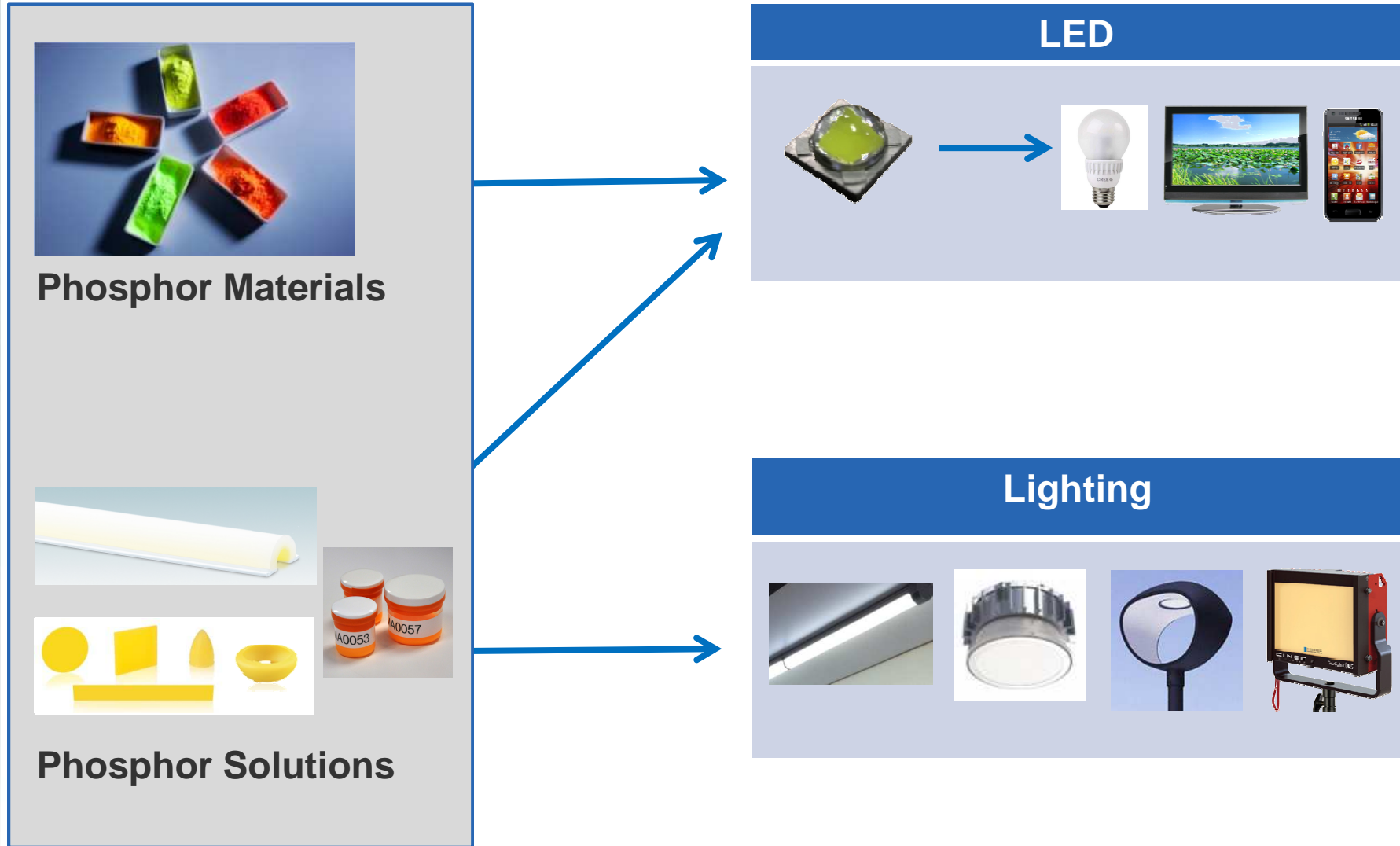


INTEMATIX

Extensive Global Operations



Market and Product Landscape



Applications



Phosphor Materials



Phosphor Solutions

General Lighting



Display

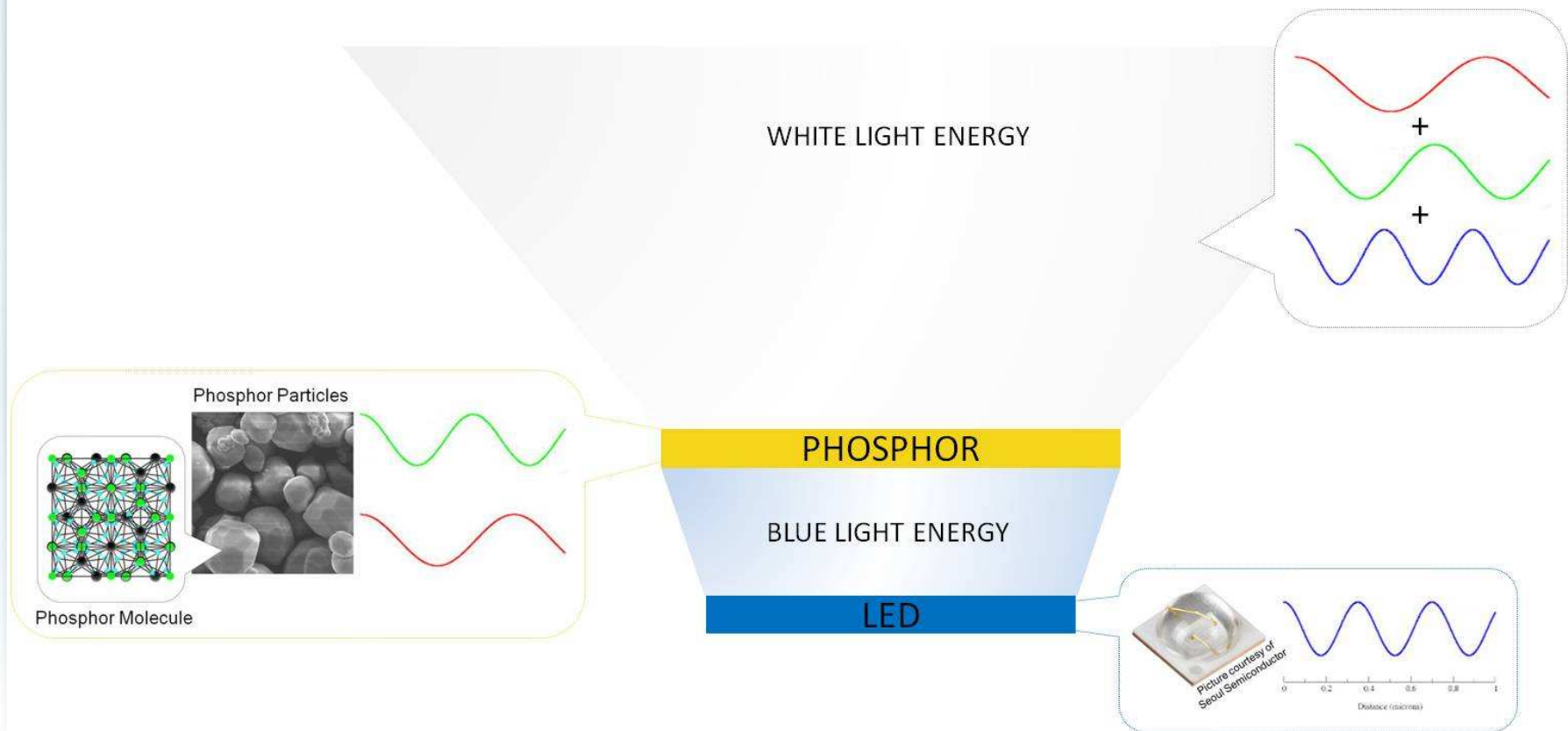


Automotive

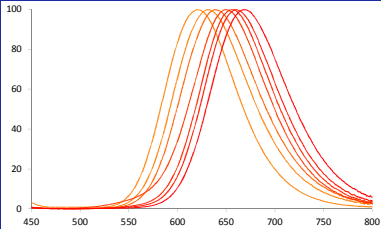

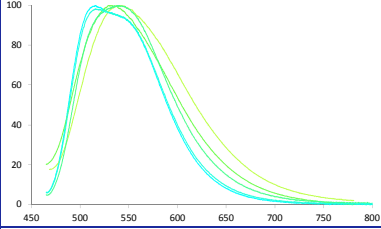
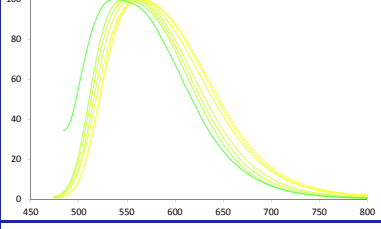

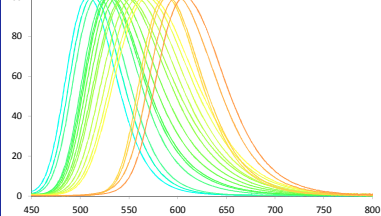



Why LED Phosphor?

*Light comes from phosphor
makes LEDs usable*



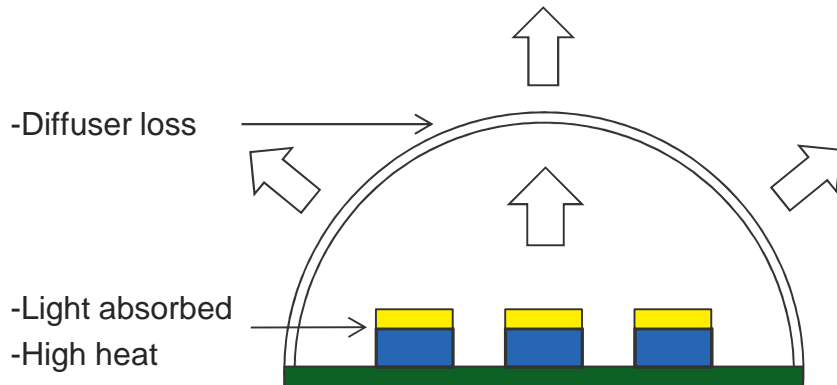
Broadest Portfolio of Phosphors

Spectral Distribution	Products	Brightness	Spectral Width	Thermal Stability	Typical LED Applications
	Nitride Red	High	Medium	Very High	
	GAL Green Yellow	High	Wide	Very High	
	NYAG Green Yellow	High	Medium	High	
	Silicate Green Yellow Orange	Very High	Narrow	Medium	

ChromaLit Remote Phosphor

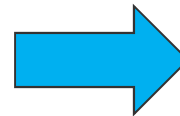
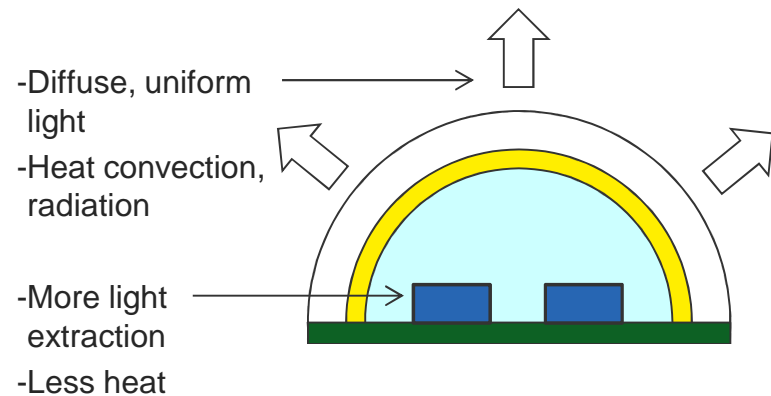
Phosphor Coated LED

+
Diffuser



Blue LED

+
Remote Phosphor



- Lower Costs
- High quality
- High efficacy
- Supply chain, fewer bins

Evolution of Products and Applications



ChromaLit

- Glare free
- Rugged
- Uniform



ChromaLit 360

- 3D Light emission
- Omni directional
- Beam shaping



ChromaLit XT

- Off state neutral
- Tempered glass
- Scalable to 20k lm



ChromaLit Linear

- Off state white
- Miniature form factor
- Up to 2600 lm/ft and >160 lm/W



Applications

- Light panels
- Down lights
- Task Lighting



Applications

- Retrofit lamps
- Pendants
- Sconces
- Lanterns



Applications

- Area lighting
- High bay
- Industrial
- Down lights

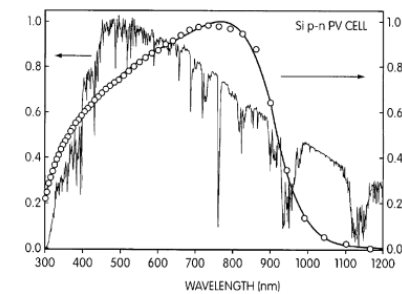
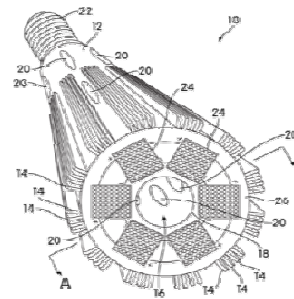
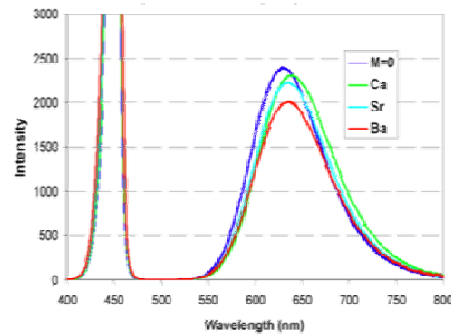


Applications

- Troffers
- High bay
- Task lights
- Architectural

IP Drives Competitive Advantage

Field of IP	Phosphor Materials	Lighting, Display & Phosphor Application	Other
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Patents

U.S.	62	14	37
Foreign	54	10	4

Applications

U.S.	82	3	1
Foreign	150	13	3

Over 180 issued patents and over 250 pending patent applications

Intematix in Summary

- Intematix makes LEDs usable with broad choice of phosphor solutions
- Innovation leadership, high performance
- We enable the LED lighting revolution
 - Light quality
 - Efficacy
 - Low system costs





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www.intematix.com