

CUTSHEET



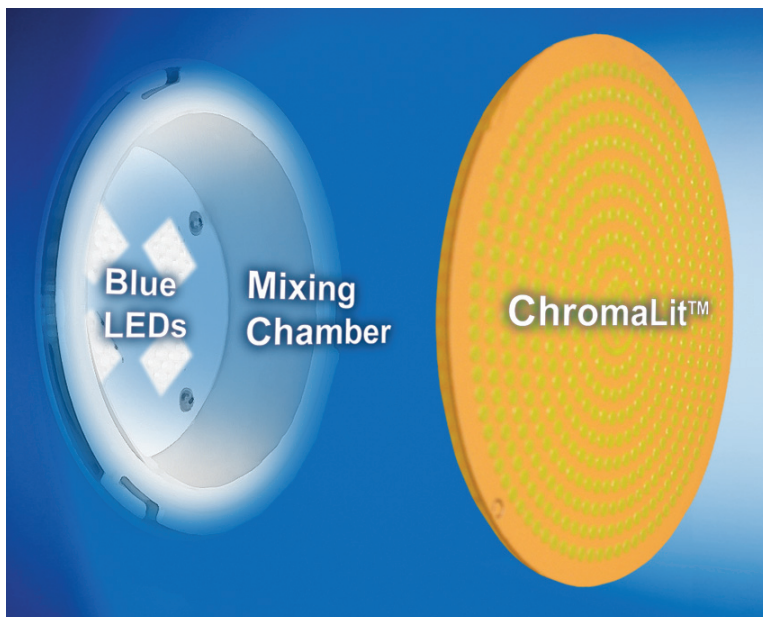
Intematix ChromaLit™ *Remote Phosphor Light Source*

Features & Benefits

- Unprecedented design freedom for solid state lighting products and systems
- Customizable shape, size and CCT
- Custom saturated colors available
- Powered by radiant energy from blue LEDs, lasers and OLEDs
- Streamlined supply and production of luminaires
- Glare free and uniform light quality
- High CRI
- Consistent color matching
- Up to 30% higher system efficacy compared to conventional LED lighting designs

Applications and Uses

- Downlights
- Spots and modules
- Colored lighting for signals and vehicles
- Modular shapes for linear lighting
- Retrofit lamps
- Task lighting
- High bay
- Panel lighting



Optical and Performance Characteristics

Color Designation	CCT ¹ (K)	CRI ¹	Viewing Angle ¹ (deg)	Conversion Efficacy ² (lm/W _{rad}) at 25°C
				Typical
CL-827	2700	80	115	180
CL-927	2700	90	115	160
CL-830	3000	80	115	200
CL-930	3000	90	115	165
CL-835	3500	80	115	205
CL-840	4000	80	115	210
CL-750	5000	70	115	230

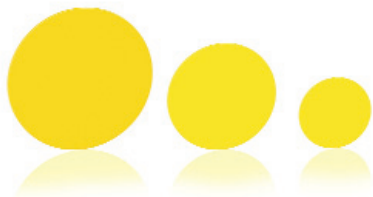
Notes:

1. **Reference Operation** Please refer to reference design guide for detail on reference operation

2. **Conversion Efficacy** is the luminous flux (white light) output per radiant watt of blue light input to the remote phosphor source. Wrad is the radiometric power measured in watts.

Product Offering

ChromaLit Round



- 22.5mm – 215.0mm diameter
- Ideal for downlight, spot and module applications

ChromaLit Square



- 21.0mm – 200.0mm dimensions
- Ideal for downlight, spot and module applications

ChromaLit Linear



- 305.0mm x 22.5mm
- 305.0mm x 12.5mm
- Ideal for task, linear and under-cabinet lighting applications

ChromaLit Panel



- 315.0mm x 215.0mm
- Ideal for high lumen output applications

Please contact a sales representative to request a demonstration kit and for full product details. For more information contact ChromaLit@Intematix.com or ChromaLit Hotline at 855-ChromaLit.

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