

PRODUCT BRIEF

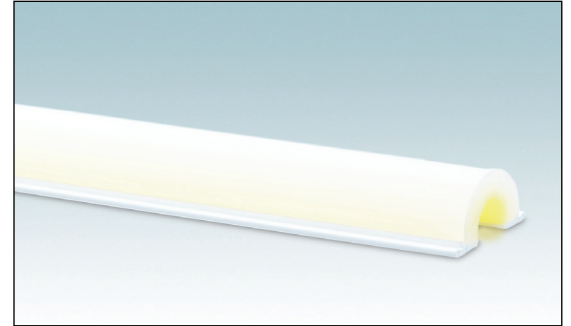
Intematix ChromaLit Linear Remote Phosphor Light Source



ChromaLit Linear enables new and creative designs for high lumen area and decorative lighting systems. Combining the benefits of remote phosphor with a unique delivery system, ChromaLit Linear delivers the uniform, glare free, color consistent lighting associated with remote phosphor systems with the additional benefit of a clean and familiar off state white appearance.

Applications & Uses

- Troffers
- Mid and high bay fixtures
- Task and undercabinet fixtures
- Cove lighting
- Architectural lights



Product Features

- High flux density linear profile capable of up to 2500 lumens per foot with unlimited length possibilities
- Diffuse and uniform emission pattern
- Sleek profile with white exterior finish
- 3 SDCM color consistency
- Up to 30% higher system efficacy compared to white LED solutions
- CCT options ranging from 2700K to 5000K with minimum 80 or 90 CRI

Application Benefits

- Enables new design options for functional and decorative lighting applications
- Glare free non-pixelated lighting
- New shallow depth design potential
- Uniform consistent lighting
- Increased energy savings and lower total cost of ownership
- Supports broad market requirements for high quality lighting with improved inventory management



INTEMATIX

Unlike many linear LED solutions which may be limited to low lumen decorative lighting applications, ChromaLit Linear delivers the light density required to displace high wattage fluorescent tubes for commercial area lighting. The remote phosphor architecture reduces system costs and increases efficacy compared to conventional LED designs while delivering superior light quality and consistency.

Optical Characteristics

For use with Blue Pump LEDs

Product	CCT (K)	Color Consistency (SDCM)	Min CRI	Typ CE (lm/W _{rad})
CL-927-LIN01-PC0	2700	3	90	170
CL-830-LIN01-PC0	3000	3	80	210
CL-930-LIN01-PC0	3000	3	90	180
CL-835-LIN01-PC0	3500	3	80	215
CL-840-LIN01-PC0	4000	3	80	220
CL-850-LIN01-PC0	5000	4	80	220

Performance Characteristics

Product	CCT (K)	Min CRI	Typ white lumens per foot (lm)	Max white lumens per foot (lm)
CL-927-LIN01-PC0	2700	90	970	2040
CL-830-LIN01-PC0	3000	80	1200	2520
CL-930-LIN01-PC0	3000	90	1030	2160
CL-835-LIN01-PC0	3500	80	1225	2580
CL-840-LIN01-PC0	4000	80	1250	2640
CL-850-LIN01-PC0	5000	80	1250	2640

