

PRODUCT BRIEF

Intematix ChromaLit Remote Phosphor Light Source



ChromaLit Panel

ChromaLit delivers consistent high quality color with up to 30% higher system efficacy compared to conventional LED lighting designs. Available in a variety of shapes and colors, on a rugged substrate, this line of remote phosphors has streamlined the supply chain and production process for luminaires.

Applications & Uses

- Downlights
- Task lighting
- Under cabinet
- Entertainment
- Studio lighting
- Panel lighting

Product Features

- Diffuse and uniform emission pattern
- 3 SDCM color consistency
- Up to 30% higher system efficacy compared to white LED solutions
- CCT options ranging from 2700K to 5600K with a CRI range of 70 to 98

Application Benefits

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

Optical and Performance Characteristics

For use with Blue Pump LEDs

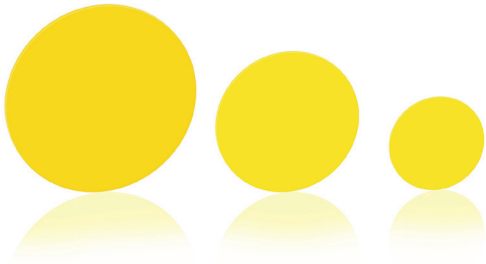
Color Designation	CCT (K)	Min CRI	Viewing Angle (deg)	Typ CE (lm/W _{rad})
CL-827	2700	80	115	180
CL-927	2700	90	115	161
CL-830	3000	80	115	202
CL-930	3000	90	115	165
CL-835	3500	80	115	210
CL-840	4000	80	115	218
CL-750	5000	70	115	230

Notes:

1. **Conversion Efficacy (CE)** is the luminous flux (white light) output per radiant watt of blue light input to the remote phosphor source. W_{rad} is the radiometric power measured in watts.

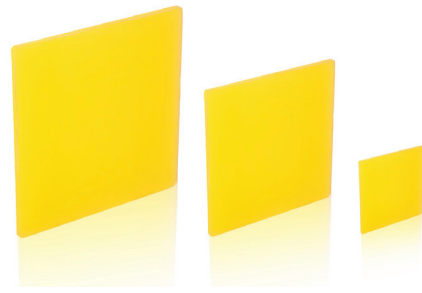
Product Offering

Round



- 22.5mm - 215.0mm diameter
- Ideal for downlight and module applications

Square



- 21.0mm - 200.0mm dimensions
- Ideal for downlight and module applications

Linear



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

Panel



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