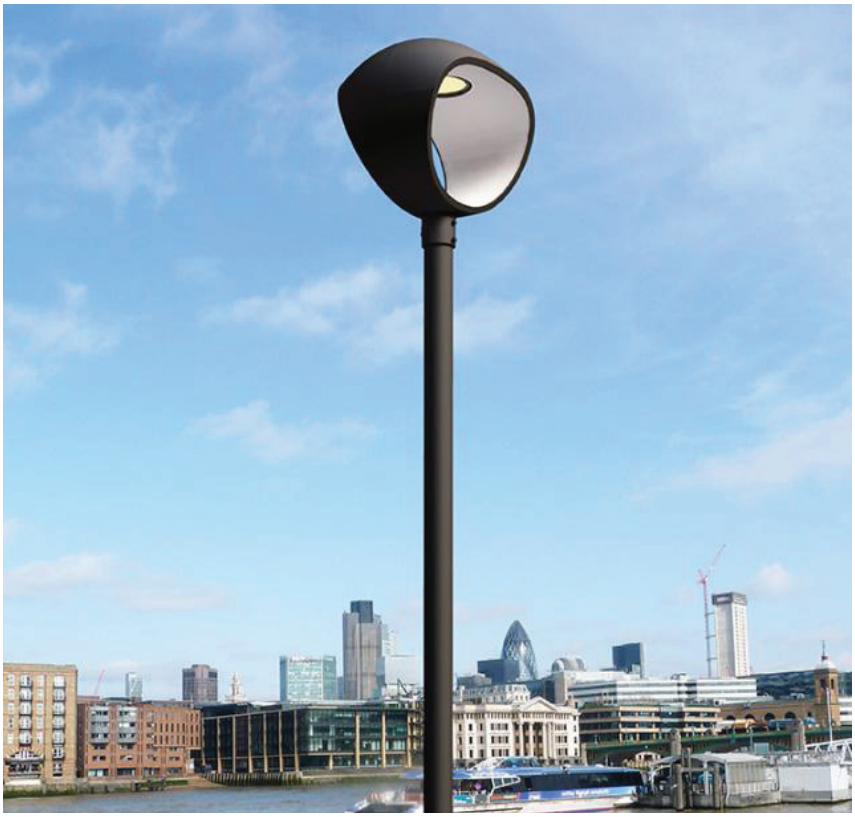
PRODUCT BRIEF

Intematix ChromaLit XT

Remote Phosphor Light Source



ChromaLit XT offers powerful elegance for brilliant lighting design. Power comes from a very high operating temperature and efficiency enabling thousands of lumens from a small light emitting area, ideal for down lights and other lighting modules. Elegance is a result of ChromaLit XT's neutral off-state color making it the first choice for attractive light fixture design. With reliability second to none, ChromaLit XT offers a new range of long life applications in both indoor and outdoor lighting.

Applications & Uses

- Wide area lighting
- High bay
- Industrial lighting
- Wall packs
- Down lights
- LED modules
- Commerical lighting

ChromaLit XT Round

Product Features

- Diffuse and uniform emission pattern
- 3 SDCM color consistency
- Up to 30% higher system effiicacy compared to white LED solutions
- CCT options ranging from 2700K to 5600K with a CRI range of 70 to 98
- Omni-directional light distribution
- Substrate material - glass

Application Benefits

- Enables new design options for functional lighting applications
- Glare free non-pixilated 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
- Meets V0 flammability requirement and UV resistant

Picture of Post Top Hydra courtesy of NERI

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Optical and Performance Characteristics

For use with Blue Pump LEDs

Color Designation	CCT (K)	Min CRI	Typ CE (lm/W_{rad})
CL-827	2700	80	190
CL-927	2700	90	160
CL-830	3000	80	197
CL-930	3000	90	165
CL-835	3500	80	205
CL-840	4000	80	215
CL-750	5000	70	232

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

- Dimension: 22.5mm - 100mm
- Lumen range: 500-20,000lm

Square

- Dimension: 65mm, 95mm
- Lumen range: 5300 - 20,000lm

Linear

- Dimension: 152.5mm x 22.5mm
- Lumen range: 4300lm

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Please contact a sales representative for additional product details.
For more information contact **Sales@Intematix.com.**