

LED Projector

LumiPro™



Features

- Adjustable focal distance
- Spatially uniform illumination field
- Integrated filter option
- Single or multi-wavelength
- Individually addressable wavelengths

LumiPro™ projectors combine efficient, non-imaging, homogenizing optics with precision re-imaging lens system to achieve high uniform illumination fields. The glass lenses are a superior solution for all high-power wavelengths. Chip-on-board LED technology with metallic PCB substrates offers excellent thermal performance. UV through Near IR wavelengths available.

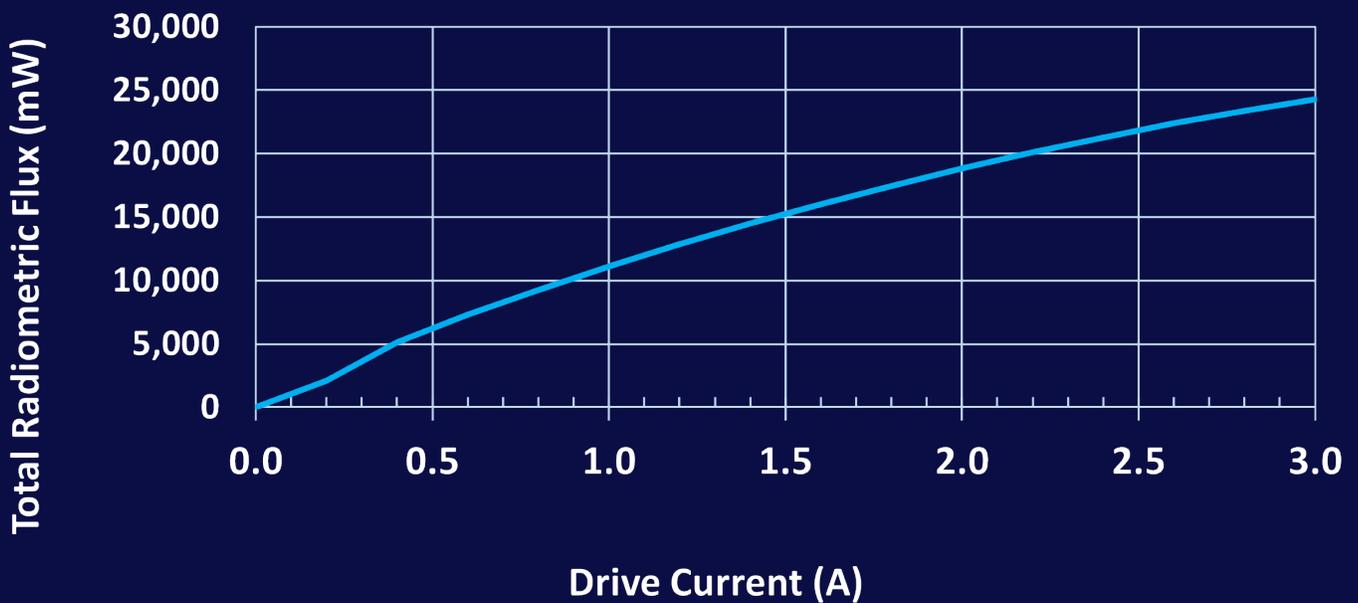
Applications

- Fluorescence imaging
- Flat panel display (FPD) inspection illumination
- Illumination for night guidance
- Flat field illumination
- Forensics embedded light source
- Flood source illuminator

The LumiPro™ is a focusable unit producing a square illuminated area in far-field (100mm x 100mm @ working distance of 20cm.) For example, LumiPro™ @ 4 wavelengths/4 die each (UV, Violet, Blue, Green) produces a total flux of > 20W.

LumiPro™ Total Radiometric Flux (mW)

Radiometric vs drive current for all λ LumiPro - 16 Die
Total Radiometric Flux (mW)
All 4 wavelengths [365nm, 445nm, 465nm, 530nm]



LumiPro™ Specifications

Example Application

Power output @ 3A per Die (16 Die, 4 die each λ)	9W @ (365 - 370nm) 6W @ (445 - 450nm) 5W @ (465 - 470nm) 2W @ (525 - 530nm)
Operating temperature	40°C - 45°C At 85% RH, non-condensing

Parameter	Specification
Output shape	Square
Far Field Extent (Degrees FWHM)	14° x 14°
Illumination Field	100mm x 100mm @ 20cm (Variable)
Minimum Working Distance	150mm
Dimensions (mm) H x W x D	41 x 99 x 42

Dimensions

Height	Width	Depth
99 mm	41 mm	42 mm

