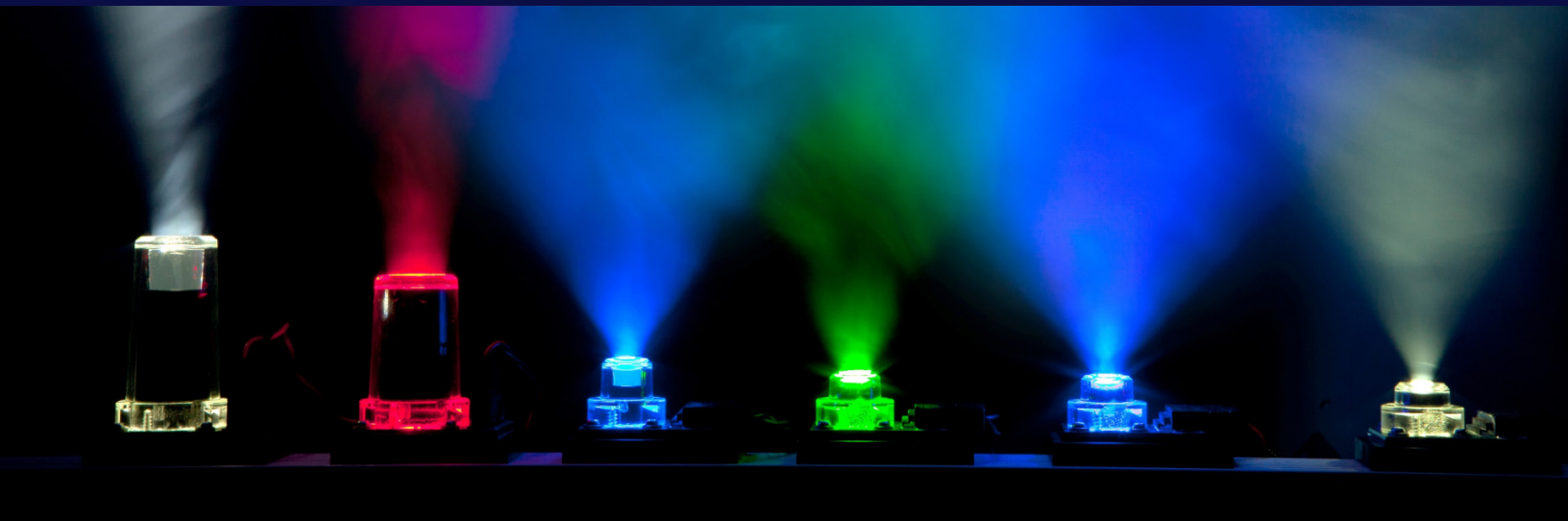


2400B and 2600N Series

LumiBright™ Compact Multispectral Light Engines



Features

- *Optical power up to 30W or 4000 Lumens
- Long life LEDs
- Patented hi-temp optics
- Uniform Near & Far Fields
- UV through Visible and NIR
- Continuous high current or pulsed operation

*Depending on the # of die and wavelength

LumiBright™ light engines deliver high radiant power from various half angle beams and several diameter apertures. The patented primary optics are non-imaging concentrators delivering significant collection efficiency. The resulting homogeneous beam requires no additional optics. For some versions, however, an optional holographic diffuser can be added to spread the beam angle.

Applications

Medical & Life Sciences

- Fluorescence excitation
- Western blot imaging
- Microscopy
- Real Time-PCR

Industrial & Commercial

- Endoscope and microscope illumination
- Fiberoptic coupling (2400B series)
- UV curing
- Remote lighting for inspection & measurement

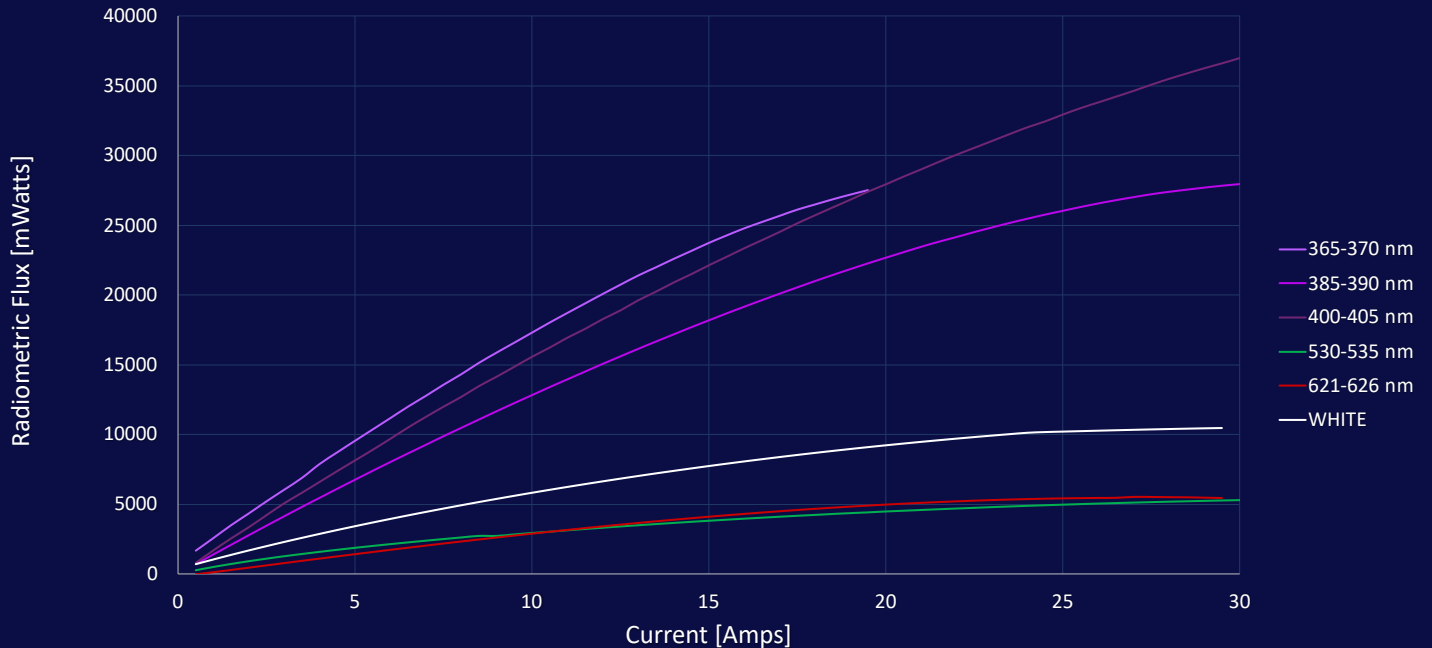
The LumiBright™ family of light engines offers multiple, independently controlled, visible, NIR, and UV wavelength configurations, excellent thermal performance, and real-time temperature monitoring for closed-loop control.

Thermal management is key to performance and lifetime. Multiple options are available.

LumiBright™ Specifications

							
	2600N-1	2600N-2	2400B-1	2400B-3	2400B-4	2400B-5	2400B-7
Aperture (mm)	15.3	13.5	8.0	5.1	7.5	4.8	13.9
NA	0.34	0.34	0.66	0.60	0.66	0.60	0.34
Half Angle	20°	20°	41°	37°	41°	37°	20°
Max # of Independently Addressable λ	3	3	16	16	16	16	3
Diffuser angular spreading	Standard Diffuser adds 5° FWHM						
Dimensions (mm) H x W x D	40.9 x 30 x 39	51 x 30 x 39	15.6 x 30 x 36	15 x 30 x 36	16.7 x 30 x 36	11.7 x 30 x 36	40.5 x 30 x 39

Current vs Radiometric Flux
2400B-4 Series





Wavelength Options (nm)	2600N-1	2600N-2	2400B-1	2400B-3	2400B-4	2400B-5	2400B-7
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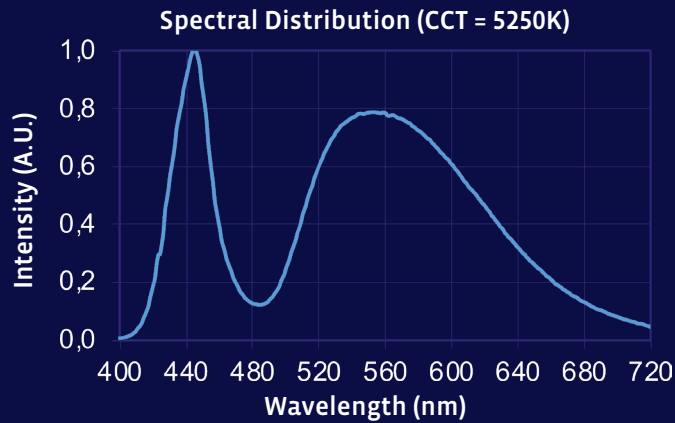
Radiometric Flux (Watts) @ 20A

365 - 370					23.0	14.0	13.0
385 - 390					25.0	14.0	18.0
395 - 400					27.0	22.0	20.0
400 - 405					25.0	20.0	18.0
440 - 442					24.5		

Radiometric Flux (WATTS) @ 10A

470 - 475	8.0	3.5	8.0	3.2			
530 - 535	3.3		3.3	2.5			
622 - 630	6.0		6.0	2.3			
655 - 660	7.7		7.0	2.7			
730 - 735	8.0		5.0	4.3			
767 - 775	5.5						
850 - 855	4.7		4.7	1.8			
940 - 950	4.5		4.7	1.8			
Dual BLU/AMB		4.5/0.75					
Dual RED/GRN		2.0/3.0					

White (Lumens)					4000 @ 30A	1500 @ 1.5A	
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