

<b>Array Product Number</b>	EN-007A
<b>Revision No.</b>	0
<b>Date</b>	10/2/2005
<b>Sector</b>	Industrial



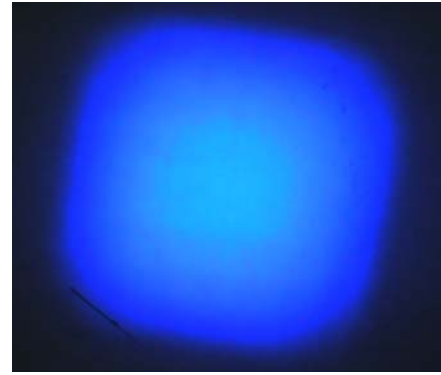
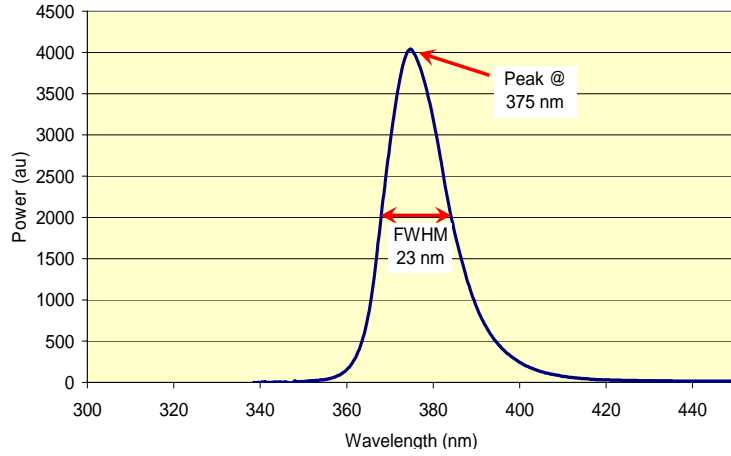
**High Power UVA LED System for NDT Applications**  
*(Working Prototype for Non-Destructive Testing Evaluation)*



**System Characteristics**

Item	Min	Typical	Max	Unit
Operational Temperature	10	-	40	Celsius
Peak Wavelength	365	370	375	nm
Aperture Diameter		50		mm
Total UV Power from Aperture	300	350		mW
Total UV Irradiance @ 400mm distance	1.5	1.9	-	mW/cm <sup>2</sup>
Electrical Power Consumption		19	20	W
Electrical Power Requirements	10-12 Volt Battery with 12AH recommended. Can be Supplied.			
Usage before Recharge		4	4.5	Hours
Recharge Time		4	4.5	Hours
Mechanical Specifications	Lamp Weight <0.5 Kg			

**System Performance Characteristics**



*Spectral Emission Characteristics*

*Typical Fluorescence Pattern*

**Prototype Concepts Developed using UVA LED Technology**



**CAUTIONS – LED Safety**

LED RADIATION  
AVOID EXPOSURE TO BEAM  
CLASS 3B LED PRODUCT

Users should refer to IEC 60825-1:2001 for further information.  
Eye protection should conform to EN207.

