

# INPHENIX

## SLD Light Source Desktop

Part Number: IPSDM0805-xxxx

### 1. Configuration



Figure 1 Configuration of IPSDM0805-xxxx SLD light source desktop

### 2. Absolute Maximum Ratings

Parameter	Min.	Typ.	Max.	Unit
Power Supply Voltage	100	-	240	VAC
Storage Temperature	-40	-	+85	°C
Humidity	10	-	100	%

### 3. Recommended Operational Condition

Parameter	Min.	Typ.	Max.	Unit
Operating Temperature	10	25	35	°C
Operating Humidity	30	60	75	%

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## 4. Optical characteristics

Items	Specifications			Unit	Notes
	Min.	Typ.	Max.		
Center Wavelength (at center of FWHM)	870	880	890	nm	@ 25°C, CW optical output and optical connector included.
3dB Optical Bandwidth	42	45	-	nm	
Optical Output Power	5	6	-	mW	
ASE Ripple @ 0.1nm	-	0.1	0.2	dB	
Optical Power Stability (8hr)	-	-	±0.1	dB	Stability test of P <sub>max</sub> after 0.5 hour warm up at 25°C
Optical Interface	FC Female Adapter			-	
Fiber Connector	FC/APC			-	
Optical Isolator	None included			-	
Fiber type	SMF/PMF/MMF			-	

## 5. Electrical characteristics

Item	Specifications			Unit	Notes
	Min.	Typ.	Max.		
Power Control	Current control for SLD			-	Press keyboard in the front panel manually, or via RS232 by computer.
SLD Drive Current Monitor	SLD drive current display on Screen			-	Or get data through RS232.
Keyboard lock	Lock & Key switch for front panel buttons' activation			-	A keyboard disable switch in the rear panel.
Connector for RS232	DB9 Connector, Male.			-	In the rear panel
Connector for Control	DB9 Connector, Female.			-	



## 6. Physical Dimensions and Mechanical Specifications

Size: 344mm(W)×260mm(D)×90mm(H)

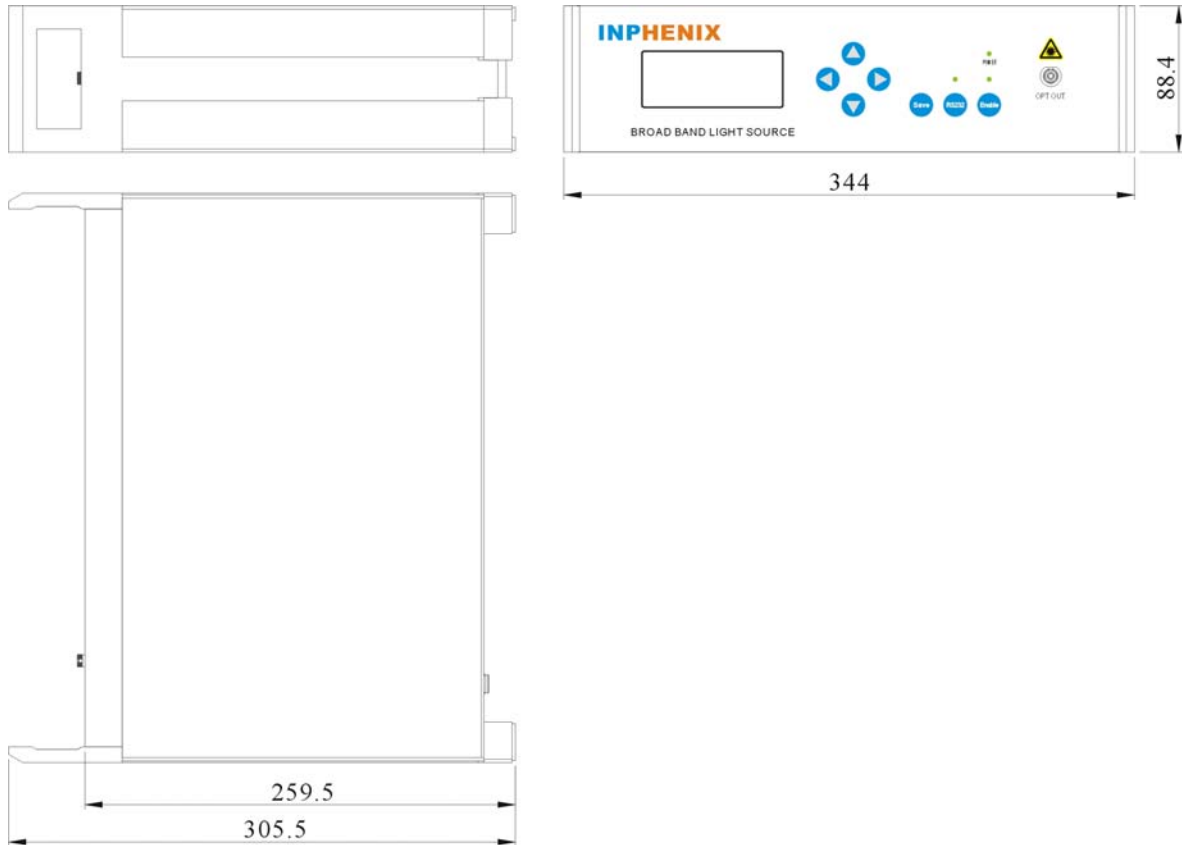


Figure 2 Mechanical drawing of IPSDM0805-xx8 SLD light source desktop

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## 7. Part Numbering Structure of SLD light source desktop



**Model Number**

- 07\*\*: 700~790nm SLD
- 08\*\*: 800~890nm SLD
- 09\*\*: 900~990nm SLD
- 10\*\*: 1010~1090nm SLD
- 13\*\*: 1300~1390nm SLD
- 14\*\*: 1400~1490nm SLD
- 15\*\*: 1500~1590nm SLD

**Output Type**

- 0: FC Adaptor
- 1: Pigtail fiber

**Connector Type**

- 0: No Connectors
- 3: FC/APC    4: FC/UPC
- 7: SC/APC    8: SC/UPC

**Fiber Type**

- 1: SM Fiber
- 2: PM Fiber
- 3: MM Fiber

**Case Size**

- 8: 344×260×90mm case
- 9: 450×300×90mm case

**Example:** IPSDM0701-0318: 700nm-type SLD light source desktop in 344×260×90mm case with FC adaptor output, 900μm SM fiber with FC/APC connector.

**Corporate Office**

250 North Mines Rd  
 Livermore, CA 94551  
 Tel: 925.606.8809  
 Fax: 925.606.8810  
[www.inphenix.com](http://www.inphenix.com)  
[sales@inphenix.com](mailto:sales@inphenix.com)