

# Lumenergi® iB-100™ Intelligent Dimming Light Driver™

Model	
Lumenergi iB-100	
Light Driver Usage	
<ul style="list-style-type: none"> <li>Provides fluorescent light ballast function with advanced features</li> </ul>	
Key Features	
<ul style="list-style-type: none"> <li>Plug-and-play compatibility with the Lumenergi LMCS</li> <li>Saves energy by supporting DALI and analog dimming</li> <li>Improves user comfort with more accurate sensing and smooth dimming</li> <li>5 year warranty</li> </ul>	
Parameters	
Starting method	program start
Circuit type	series sequence
Lamp frequency	>50 KHz
Lamp CCF	<1.5 for >=30ms
Minimum temp.	50°F/10°C
Starting time	1 second
Input voltage	120-277 VAC +/- 10%
Input freq.	50/60 Hz
THD	<10% @ full
Power factor	>93% @ full
UL Listed Class P, Indoor	
70°C max case temperature	
FCC 47CFR Part 18 (non-consumer)	
CEE/NEMA High Performance Commercial Light Systems Initiative	
Class A sound rating	
C62.41 Cat. A transient protection	

The Lumenergi iB-100 Intelligent Dimming Light Driver adds network connectivity and remote control, status reporting, and smooth dimming to modern electronic ballast design. A single Stock Keeping Unit (SKU) handles one to three T8 lamps of various wattage ratings and input voltages from 120V to 277V.

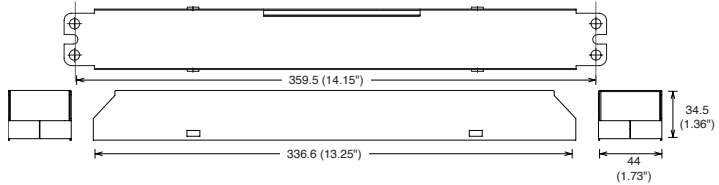


The iB-100 uses the DALI network protocol for compatibility with the Lumenergi **Lighting Management and Control System** (LMCS™), to save energy, cut costs, and help the environment. It also supports 0-10 VDC dimming for legacy lighting control systems.

Unique to the iB-100 when used with the LMCS is local connectivity for occupancy sensors and photo sensors, reducing installation costs by eliminating home run wiring. Locally-connected sensors use the DALI network. This allows for more sensors and more accurate daylight harvesting, occupancy sensing, and lumen maintenance, saving money and increasing occupant comfort.

## Lamp Configurations

Item Number and Description	Input Voltage @45-400Hz	Lamp Type	# of Lamps	Ballast Factor (BF)	Input Current @120/277 VAC (Amperes)	Power Input @120/277 VAC (Watts)	Light Output (lm)	System Efficacy @120/277VAC (lm/W)	Power Factor @120/277VAC
LUM-LD-IB100-01 Intelligent Dimming Light Driver	120-277	FO40T8	1	1.2	.43/.18	52/50	4,380	85/88	.99/.94
			2	1.2	.84/.36	101/100	8,820	88/88	.99/.97
		FO32T8	1	1.2	.33/.16	40/40	3,600	88/88	.99/.92
			2	1.2	.63/.28	76/75	7,200	94/94	.99/.97
			3	1.2	.95/.41	113/112	10,800	94/95	.99/.99
		FO28T8	1	1.2	.31/.13	37/36	3,300	89/92	.99/.94
			2	1.2	.58/.24	69/67	6,180	89/92	.99/.97
			3	1.2	.86/.36	103/100	9,300	91/92	.99/.99
		FO25T8	1	1.2	.27/.12	32/32	2,940	91/92	.99/.94
			2	1.2	.50/.22	60/60	5,520	92/93	.99/.97
			3	1.2	.77/.33	92/91	8,820	95/96	.99/.99
		FO17T8	2	1.2	.33/.14	39/39	3,600	92/93	.99/.93



## Warranty and Additional Product Information

Lumenergi's products are covered by a five year materials and workmanship warranty. Please contact Lumenergi for details. Distributors interested in learning about Lumenergi products, please contact partners@lumenergi.com.

Represented by \_\_\_\_\_

Lumenergi, Inc.  
8371 Central Ave, Unit B  
Newark, California 94560

Phone 510 894 8647  
Fax 510 894 8640

www.lumenergi.com  
sales@lumenergi.com

©2007-2010 Lumenergi, Inc. Lumenergi, the Lumenergi logo, LMCS, iB-100, Light Driver are trademarks or registered trademarks of Lumenergi, Inc.

Job Name: \_\_\_\_\_  
Job Number: \_\_\_\_\_

Lumenergi Part Numbers \_\_\_\_\_