

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

ANALOG 0-10 VOLT INTERFACE

LPS-1220A

SmartLED™ MRI Driver with Analog Interface

Fully Digital Controlled Power Source for LED Luminaires



Capable of Driving and Dimming up to 12 (-1500L), 6 (-2500L) or 3 (-5000L or -6500L) Fixtures

- Drive up to two -1500L fixtures per channel maximum 50' (one fixture per channel maximum 150')
- Drive one -2500L fixture per channel maximum 150'
- Provides six output channels (with three dimming zones)
- Smooth 0.2 to 100% dimming and compatible with zone controls; consult factory for compatible controls
- Up to 243 watts of output power; consumes only 4 watts at 0% dimming
- 87% efficiency
- Input: 115 to 277 VAC isolated circuit only; **maximum input voltage 290V**; 50-60 Hz; load insensitive
- Convection cooled

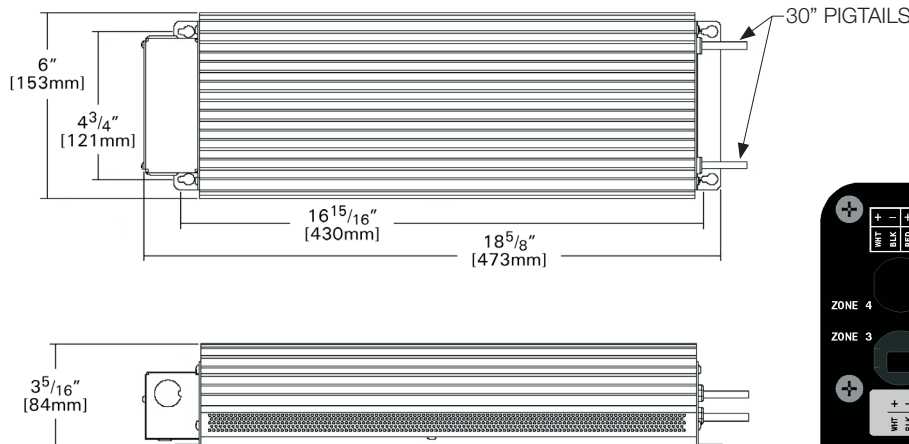
1400 mA

Analog Dimming Interface with Master and Zonal Dimming Capabilities



For Power Supply with DMX Interface See: LPS-1220D

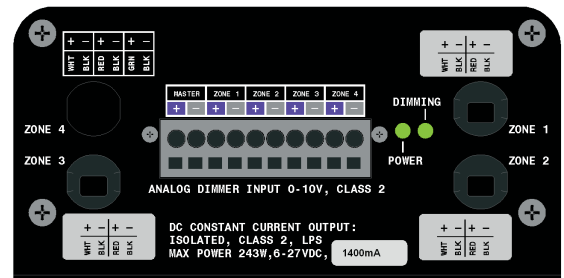
Dimensions and Interface



For MRI Installations, use of both SmartSupply™ and SmartFilter™ REQUIRED or Kirlin warranty is null and void

In MRI Installations, wall dimmers MUST be located outside the MRI room shield and must NOT be filtered.

This power source must NOT be mounted to, or be in contact with the MRI room shield



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Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

Specifications

Input Specifications			
Rated Input Voltage and Frequency	115 to 277 VAC 50-60 Hz		
Maximum Input Voltage		290 VAC	
Power conditioning and/or TVSS protection STRONGLY advised for 277V input circuits. If not available, 120V supply is recommended.			
Rated Input Current	2.7 - 1.1 A		
Power Factor EN61000-3-2	@ 115 or 277 VAC 100% load	0.97	W/WA min
Input Current Total Harmonic Distortion	@ 115 or 277 VAC 100% load	13 %	max

Environmental Specifications	
Location Rating	Dry
Operating Ambient Temperature	-20°C to + 40°C
Cold Start Temperature	-20°C
Storage Ambient Temperature	-40°C to 80°C
Relative Humidity	5% to 95% noncondensing
MTBF (12 channel)	>60,000 hours @ 40°C >97,000 hours @ 25°C

Safety and EMI / EMC Specifications		
Control Method	Analog 0-10 VDC IEC 60929 or ESTA E1.3-2001 Class 2 outputs	Master, Zone 1, Zone 2, Zone 3, Zone 4 outputs each source 0.5 mA maximum
Loss of Analog Input Signal	Outputs will go to 100% light intensity in less than 1 second	

Output Specifications			
Rated Output Power	@40°C ambient	243 W max	
Output Voltage Dynamic Range	Under load conditions	6.0 to 27.0 VDC	
Efficiency	100% load @ 277 VAC input	87 %	
Turn on delay	Time required for stabilization of all outputs	2 sec	typical
Output Current Tolerance	+/-5% of nominal		

Protection	
Output Protection	Over voltage, over current, short circuit protection
Over Temperature Protection	Power supply will shut down when external ambient temperature exceeds 43°C or case temperature reaches 85°C nominal
Output Interconnection Protection	Shutdown of module; requires recycling of AC input to restart

Safety and EMI / EMC Specifications		
Agency Approvals	UL60950-1 Subject 8750 SELV, LPS, Class 2 outputs	
Conducted & Radiated Emissions	EN55022 FCC Title 47, Part 15 ICES-003	Class A
RoHs Compliant		

For information on Wall Box Dimmer options, see next page

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SUBMITTAL DATA

JOB NAME _____
 TYPE _____
 WATTAGE _____ VOLTAGE _____
 CATALOG NUMBER _____

APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer of the fixture will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is subject to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

Wallbox Analog 0-10V Dimming Options

Wallbox dimmers enable users to set the desired light level by manually increasing or decreasing the light levels by adjusting the slide. Slide and preset dimmers take the place of a switch.

Company	Part #	Power Booster Available	Website
Douglas Lighting Controls	WPC-5721		www.douglaslightingcontrol.com
Entertainment Technology	TG600FAM120 Tap Glide (120V) TGH1500FAM120 Tap Glide Heatsink (120V) 0A2000FAMJ (120/277V)		www.etdimming.com
Honeywell Inc.	EL7315A1019 EL7315A1009	EL7305A1010 EL7305A1010	www.honeywell.com
HUNT Dimming	PS-010-120V-WT PS-010-IV-120V Preset Slide PS-010-WH-120V Preset Slide PS-010-3W-IV-120V Preset Slide PS-010-3W-WH-120V Preset Slide PS-010-IV-277V Preset Slide PS-010-WH-277V Preset Slide PS-010-3W-IV-277V Preset Slide PS-010-3W-WH-277V Preset Slide FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WT-120/277V FD-010-120V and FD-010-277V		www.huntndimming.com
Lehigh Electric Products Co.	Solitaire	PBX	www.lehighdim.com
Leviton Lighting Controls Div.	IP710-DLX Leviton Centura Fluorescent Control System IllumaTech 1P7 Series	CN100 PE300	www.leviton.com
Lightolier Controls	ZP600FAM-XXX Sunrise Preset Slider MP1500FAM-XXX Momentum Preset Slider V2000FAMU Vega Slider		www.lightolier.com
Lithonia Controls	ISD BC SLD LPCS Digital Equinox (DEQ BC)	RDM FC	www.lithonia.com
Lutron Electronics Co. Inc.	NFTV - Nova * NTSTV - Nova T * DVTV - Diva * DVSTV - Diva * V-600 w/GRX-TVI - Vareo		www.lutron.com
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router	www.starfieldcorp.com
The Watt Stopper, Inc	LS-4 used with LCD-101 and LCD-103		www.wattstopper.com

* **WARNING!** When using Lutron NSTV or NTSTV low-voltage 0-10V dimmers, do not specify or install Lutron PP-Series power packs. Use of PP-Series power packs may cause damage to the SmartSupply™ that is not covered under warranty.

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