

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

DMX INTERFACE

LPS-1220D

LED SmartSupply™ with DMX Interface

Fully Digital Controlled Power Source for LED Luminaires

Capable of Driving and Dimming up to 12-20W Fixtures

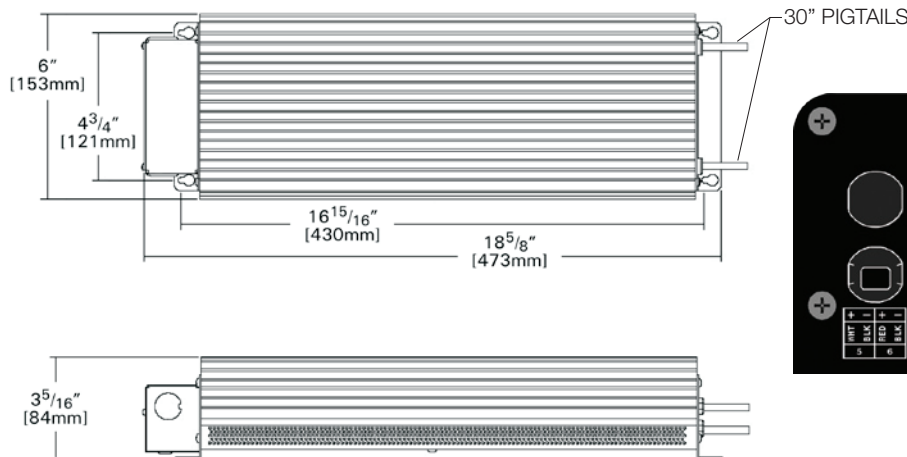
- Drive up to two 20 watt fixtures per channel up to 50' away (one fixture per channel up to 100' away)
- Up to six configurable output channels
- Smooth 0 to 100% dimming
- Up to 243 watts of output power; consumes only 4 watts at 0% dimming
- 87% efficiency
- USITT DMX512A compatible
- Input: 115 to 277 VAC / 50-60 Hz; load insensitive
- Convection cooled

USITT DMX512A Interface
with RJ45 Loop Thru Connections
and Rotary Dial
Addressing Function



For Power Supply with Analog Interface
See: LPS-1220A

Dimensions and Interface



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



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THE KIRLIN COMPANY

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Specifications

<i>Input Specifications</i>			
Rated Input Voltage and Frequency	115 to 277 VAC 50-60 Hz		
Rated Input Current	2.7 - 1.1		A
Power Factor EN61000-3-2	@ 115 or 277 VAC 100% load	0.97	W/VA min
Input Current Total Harmonic Distortion	@ 115 or 277 VAC 100% load	13	% max

<i>Output Specifications</i>			
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	

<i>Environmental Specifications</i>	
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

<i>Protection</i>	
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

<i>Safety and EMI / EMC Specifications</i>	
Control Method	DMX512-A
DMX Receiver Isolation	Isolated from earth ground
Start Codes	Will only respond to NULL START code
Loss of DMX Input Signal	Outputs will go to 100% light intensity in less than 1 second

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

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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. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option 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.