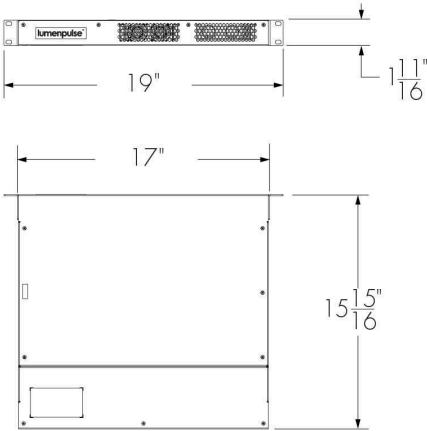


Project Name

Qty

Type

Catalog / Part Number



Front view

Top view

Rack mount version shown

Ratings

IP54 IK08

Lumencycle™ Program



Certifications



Description

This indoor rack-mounted or wall-mounted 1.2KW power supply allows for scalable DMX/RDM controlled Lumenfacade Nano systems. Containing a power supply only, this device supports scalable projects. Using LSBX low voltage splitter box to daisy chain power and data, this new large power supply will take your project to new heights.

Features

Mounting Options	Rack mount (2 mounting brackets) Wall mount (4 Mounting Brackets)
Warranty	5-year limited warranty

Electromagnetic Compatibility (EMC)

Physical

Housing Material	Carbon steel
Surface Finish	Black powder coat (standard finish)
Weight	12 lbs

Electrical and Control

Input Voltage	85 – 305 VAC, refer to Nominal Voltage Chart for details
Output Voltage	48 VDC
Input Frequency	50/60Hz (nominal)
Power and Data Connections	Knockout holes for straight conduit fitting (1x for AC conduit, 4x for DC conduit)

Environmental

Environment	Indoor applications only
Cooling	Active fan cooling
Storage Temperature	-40 °F to 185 °F

Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP54
Impact Resistance Rating	IK08

Accessories (Order Separately)

Cables	Trunk Power Cable (TKPWR), Trunk Data Cable (TKDMX)
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Important

Virtual Patent Marking Notice

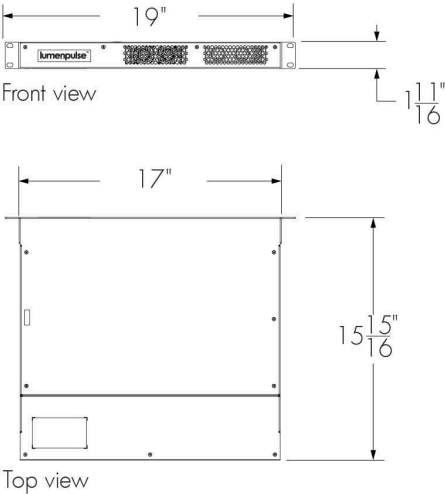
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Nominal Voltage Chart

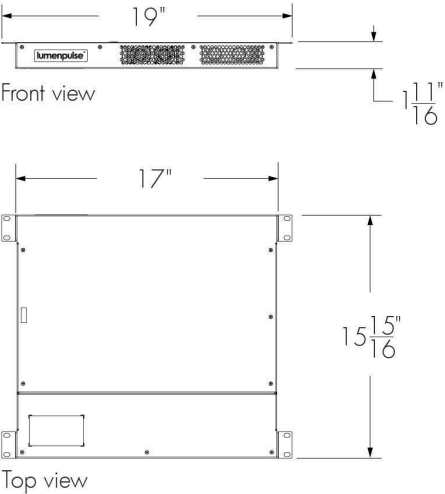
Nominal voltage	120V	277V
Voltage range	85-137 VAC	180-305 VAC
DC voltage	48 VDC	
Rated power	1000W	1200W
Rated current	20.8A	25A

Mounting Types

RM - Rack Mount

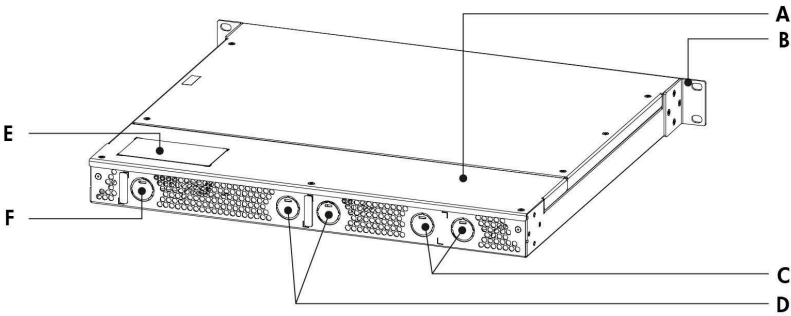


WM - Wall Mount



Montage mural

Typical Layout

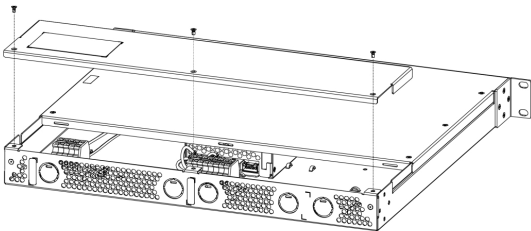


- A - Removable small cover for AC and DC wire connections
- B - Mounting bracket (2x) (4x for wall mount version, included in separate bag with hardware)
- C - DC outputs 3 & 4 (knockout for straight conduit fitting)
- D - DC outputs 1 & 2 (knockout for straight conduit fitting)
- E - Description label
- F - Mains line input 1 (knockout for straight conduit fitting)

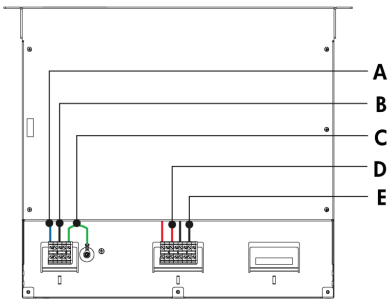
Rack mount version shown

Refer to installation instructions for additional wiring details.

Connections



Rack mount version shown



Top view, small cover removed

- A - Line
- B - Neutral
- C - Ground
- D - DC +
- E - DC -

Remove small cover from Large Power Supply to access AC Input and DC Output terminal blocks to make connections. Refer to installation instructions for additional wiring details.

Cables (Order Separately)

TKPWR - Trunk Power Cable

WIRING COLOR CODE		
UL WIRE COLOR	CE WIRE COLOR	USE
BLACK, BLACK/WHITE	GREY, GREY/WHITE	COMMON
RED, RED/WHITE	BROWN, BROWN/WHITE	48 VDC

TKPWR-CERTIFICATION-LENGTH-CABLE COLOR

Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 50 ft to 500 ft (available in 50 ft increments) or 1000 ft; **CABLE COLOR:** Black

- Type SJTW
- Diameter 0.48 in
- Four conductors (12 AWG/3.31mm² per conductor)
- 300V, up to 221 °F

TKDMX - Trunk Data Cable

WIRING COLOR CODE	
UL/CE WIRE COLOR	USE
PURPLE	DATA +
ORANGE	DATA -
GREY	SIGNAL COMMON

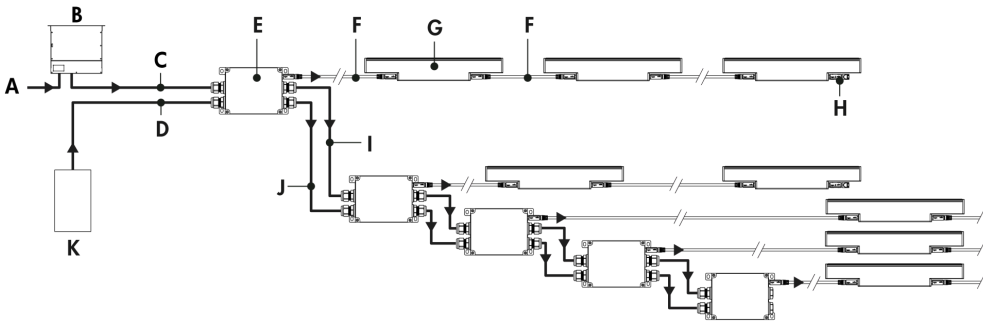
TKDMX-CERTIFICATION-LENGTH-CABLE COLOR

Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 50 ft to 500 ft (available in 50 ft increments) or 1000 ft; **CABLE COLOR:** Black

- Type CL3 communication cable
- Diameter 0.17 in
- Three conductors (24 AWG/0.20mm² per conductor)
- Up to 221 °F

Typical Wiring Diagram



- A - Power input (120-277V, by others)
- B - Large Power Supply (LGPSU)
- C - Power input (48V, from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- D - Data input (48V, from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- E - LSBX
- F - Jumper cable (LOGNJC)
- G - Lumenfacade Nano (LOGN)
- H - Terminator cap
- I - Power output to next LSBX (48V, from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- J - Data output to next LSBX (48V, from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- K - Controller (Order separately from Lumenpulse, or by others)

- UCTL control configuration shown.
- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.

How to Order

Housing	Voltage	Model
LGPSU Large Power Supply Box	120_277 120 Volts to 277 Volts	1200W 1200 watts