

Job Name.	
Type:	
Part #:	
Notes:	



SPECIFICATIONS

The LSL Fortress 1 maintains efficient AC Emergency Power to operate all emergency lighting fixtures at "full-light" output, providing superior dependability and security to commercial/industrial environments in an outdoor environment.

POWER RATING

 0.075 KW - 21 KW (or 75 Watts - 21,000 Watts) single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

• 120V, 208V, 240V, 277V or 480V input 60Hz

OUTPUT

• 120V, 240V, 277V, 480V, 120/240 or 120/277VAC True "on-line" design is ≥92% efficient at 100% linear load

BATTERIES

- · Sealed, maintenance-free, lead calcium (AGM) batteries
- · 10-Year prorated warranty
- Smart Battery Monitoring System is TEMPERATURE COMPENSATED maintaining maximum runtime and battery life Microprocessor controlled recharge and overcharge protection

LAMPS AND LOADS

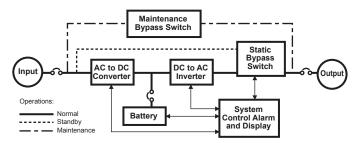
- Emergency power provides **FULL LIGHT OUTPUT** from all lamps and fixtures for the entire runtime
- · Operates fluorescent, compact fluorescent, incandescent,

guartz, H.I.D., LED and other lamp types

- Standard or electronic ballasts, dimming devices or panels, sensors and most control equipment
- Standard or LED Exits and other safety equipment

CODES

- UL 924, UL 1778, meets NFPA 101, NFPA 70, NEC and OSHA standards
- · Cities of Chicago and New York approved
- · Complies with the Buy American Act



0.075 KW - 21 KW

Lala Nilamaa.

Single Phase

Uninterrupted Emergency Lighting and Power Systems



PROTECTION

 Provides overload, surge and undercurrent protection using our technology and The Watchdog® Software to protect system performance and reliability
 Surge protection against load surges as defined in

ANSI/IEEE C62.45 category A and B

DIAGNOSTICS AND MAINTENANCE

- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7
- Automatically performs periodic self-tests ensuring a safely lighted environment prior to an emergency
- Single point of testing instead of multiple testing points with battery packs

NEMA 3R CABINET

- Modular design enables flexible installation
- · Forced air cooling for maximum reliability
- Systems up to 12 KW are self contained; larger systems require external battery cabinet(s)

INSTALLATION

- Modular design and small footprint allow easy installation in an outdoor environment
- · Phone assisted factory start-up standard for all systems
- Extended warranty available

SPECIAL APPLICATIONS

- LSL 24/7 offers numerous UL924 optional devices to meet unusual or difficult application parameters
- ECM Environmental Circuit Module allows fixtures and lamps on the emergency circuit(s) to be operated by normal switching and/ or dimming devices in NON-emergency conditions Dimming Panel Interface allows use with emergency lights controlled by common
- dimmer panel

WARRANTY

- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated System
- 1-year on-site warranty labor with MFG phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available



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Fortress Outdoor 1	Power Rating	UPS Cabinet Dimensions			Battery Cabinet Dimensions			Weight (com- bined)	com- Thermal	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
	KVA/KW	W	Н	D	W	Н	D	(lbs)	BTU's		1	0 1 1		
	0.075	20"	24"	8"	not required		100	20.4	Sealed, Maintance free (AGM) lead	Input	Output	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70	
	0.1	20"	24"	8"	not required		110	27.2						
	0.125	20"	24"	8"	not required		120	34		Soloot	Soloot			
	0.2	20"	24"	8"	not required		130	54.4		<u>Select</u>	<u>Select</u>			
	0.3	20"	24"	8"	not required		140	81.6		120,	120,			
	0.35	20"	24"	8"	not required		150	95.2		208,	277,			
	0.525	45"	51"	35.5"	not required		630	142.8		240,	480,			
	0.7	45"	51"	35.5"	not required		640	190.4	calcium	277	120/240		NEC	
	0.875	45"	51"	35.5"	not required		670	238	<u> </u> 	or	or			
	1.05	45"	51"	35.5"	not required		710	285.6		480	120/277			
LSFT1 (Consult factory for others)	1.4	45"	51"	35.5"	not required		790	380.8		100				
	2.0	45"	51"	35.5"	not required		870	544						
	2.4	45"	51"	35.5"	not required		920	652.8						
	2.6	45"	51"	35.5"	not required		930	707.2						
	3.0	45"	51"	35.5"	not required		980	816						
	3.4	45"	51"	35.5"	not required		1030	924.8						
	3.8	45"	51"	35.5"	not required		1090	1033.6						
	4.2	45"	51"	35.5"	not required		1150	1142.4						
	4.7	45"	51"	35.5"	not required		1630	1278.4						
	5.25	45"	51"	35.5"	not required		1630	1428						
	7.0	41"	72"	32"	not required		1880	1904						
	8.0	41"	72"	32"	not required		1880	2176						
	10.0	41"	72"	32"	not required		2250	2720						
	12.0	41"	72"	32"	not required		2640	3264	-					
	14.0	41"	72"	32"	41"	72"	32"	2945	3808	1				
	18.0 21.0	41" 41"	72" 72"	32" 32"	41" 41"	72" 72"	32" 32"	4145 4555	4896 5712	{				
	21.0	41	12	32	41	12	32	4555	5/12	<u> </u>			L	

ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

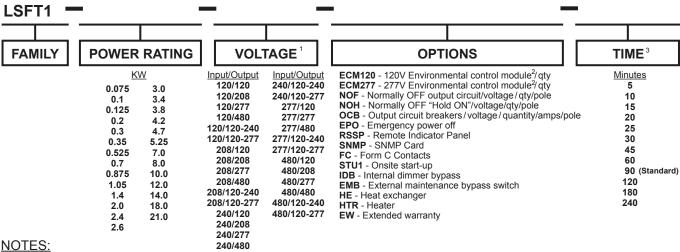
Write them on the appropriate line. Order accessories as separate catalog number.

Example:

LSFT1 - 8.0 - 120/277 - ECM277/3 OCB/277/3/20/1 - 120

Description of example:

(8.0 KW, 120 Voltage In, 277 Voltage Out, 3 277V Environmental Control Modules, 3 Output 277 Voltage Circuit Breakers at 20amps, 2 pole, 120 minute run time)



2024.09

¹⁻Consult factory for other voltage requirements.

Special voltages may effect the weight, size and number or cabinets.

²⁻One ECM is used per switching device or circuit.

³⁻Consult factory for other run times.