



## Data Sheet

## LX Mat Electric Floor Heating

### General Information



**Danfoss LX DUAL ADHESIVE** electric floor heating mats are an affordable luxury that brings warmth to life. It's a proven technology that's safe, reliable and energy efficient. The unique adhesive system saves 70% on installation time.

- Pre-applied heating cable
- Dual adhesive backing
- Single point connection
- Twin conductor cable
- Eliminates EMF's (Electromagnetic fields)
- Customize mat on the job site
- Safety approved for wet locations
- Genuine ten non-prorated year warranty



### LX Mat Specifications

Mat Construction	Thermoplastic polymer coated fiberglass self-adhesive backing
Cable Construction:	Twin conductor
Rated Voltage:	120V, 208V, 240V
Output:	12 W/sq.ft (130 W/m <sup>2</sup> )
Heating Element Size:	5' (1.5 m) to 72.5' (22 m) long x 2' (60 cm) wide
Cold Lead	10' (3.0 m)
Bending Radius:	Minimum 3/4" (19 mm)
Cable Diameter:	3/16" (4.8 mm)
Conductor Insulation:	FEP, Teflon™
Outer Insulation:	PVC
Max. Allowable Temp.:	212°F (100°C)
Min. Installation Temp.:	40°F (5°C)

See power lead label for NEC connection color code.

Operating the 240V mat at 208V results in 9W/sq.ft. power output

The mat can be installed on top of plywood, concrete floor, cement board, insulation board, etc.

### LX Thermostat Specifications

The Danfoss LX Thermostat raises the bar for aesthetic appeal while offering industry-leading functionality. The LX electronic thermostat offers optimum comfort and numerous user-friendly features:

- Large backlit display for easy programming
- Includes Class-A GFCI for safety (approved for wet locations)
- Simple to program with intuitive on-screen menus
- Monitor energy consumption
- Dual voltage capabilities (120V or 240V)
- Four-event seven-day ENERGY SAVING programming
- Easily upgrade older model LX thermostats



Supply Voltage:	120V-240V max., 50/60Hz
Max. Load:	15A (resistive load)
Max. Power:	1,800W at 120V 3,600W at 240V
GFCI:	Class A (5mA trip level)
Temperature Range:	40°F (5°C) to 104°F (40°C)
Dimensions (HxWxD):	4.65" x 2.90" x 1.90" (118mm x 74mm x 48 mm)



## Ordering Information LX Floor Heating Mats

Part Number		Length (feet)	Area (sq.ft.)	Amps		Watts	Ohms	
120V	240V			120V	240V		120V	240V
088L3150	-	5.0	10	1.0	-	120	120.0	-
088L3151	-	7.5	15	1.5	-	180	77.8	-
088L3152	-	10.0	20	2.0	-	240	61.3	-
088L3153	-	12.5	25	2.5	-	300	48.0	-
088L3154	-	15.0	30	3.0	-	360	40.0	-
088L3155	088L3175	17.5	35	3.5	1.8	420	34.7	137.1
088L3156	088L3176	20.0	40	4.0	2.0	480	30.0	121.3
088L3158	088L3177	25.0	50	4.9	2.5	590	24.6	97.6
088L3160	088L3178	30.0	60	6.0	3.0	720	20.4	81.1
-	088L3179	35.0	70	-	3.5	850	-	69.8
-	088L3180	40.0	80	-	4.0	960	-	60.6
-	088L3181	45.0	90	-	4.5	1080	-	54.1
-	088L3182	50.0	100	-	5.0	1200	-	48.8
-	088L3183	55.0	110	-	5.5	1320	-	44.3
-	088L3184	60.0	120	-	6.0	1440	-	40.7
-	088L3185	72.5	145	-	7.3	1740	-	32.6

## Thermostats

Part Number	Description
088L5130	LX Programmable Thermostat with Floor Sensor
088L5132	LX Programmable Thermostat with Air Sensor (and floor temp. limiter)
088L5133	LX Non-Programmable Thermostat with Floor Sensor

## Accessories

Part Number	Description
088L3008	Replacement Floor Sensor for LX thermostat
088L0014	LX Repair Kit (includes: crimp connectors, repair wire, heat shrink tubes)
19809099	LX Sensor Conduit (8 ft.)
088L0028	Little Buzzer - continuity alarm

## Warranty

Cable/Mat: Genuine ten year comprehensive extended warranty against defects in material, design, and workmanship.  
Thermostat: Two years

## Technical Services

For technical questions, please contact Danfoss Heating Division North America at 1- **866-676-8062**, or via the web at **www.LX.Danfoss.com**

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