

CONNECTION DIAGRAM - 120V	
ORANGE	LIGHT CIRCUIT
WHITE / ORANGE	LIGHT NEUTRAL
RED	DOOR HEAT CIRCUIT
WHITE / RED	DOOR HEAT NEUTRAL
BLACK	FRAME HEAT CIRCUIT
WHITE / BLACK	FRAME HEAT NEUTRAL
GREEN	GROUND
SEPARATE CIRCUITS RECOMMENDED	

Raves Cooler Doors recommends using dedicated circuits for each of the following:
(a) frame heat, (b) LED lighting, and (c) door heat (freezers only).

Non-Heated Cooler Glass Doors

Frame Type	Size (Opening)	Frame Heat Power (A)	Door Heat Power (A)	LED Power (A)	Total (W)	BTU/hr	Amps 120V
Entrance Door	37-3/4" x 82	0.48	0	0.3	94	321	.78
Pass-Thru Door	32" x 82	0.46	0	0.3	91	310	.76
Single Door	32" x 82"	0.61	0	0.3	109	370	.91
Two Door	62-1/4" x 82"	0.97	0	0.45	170	579	1.42
Three Door	92-3/4" x 82"	1.33	0	0.6	231	786	1.93
Four Door	123" x 82"	1.75	0	0.75	300	1023	2.5

Heated Freezer Glass Doors

Frame Type	Size (Opening)	Frame Heat Power (W)	Door Heat Power (W)	LED Power (W)	Total (W)	BTU/hr	Amps 120V
Single Door	32" x 82"	0.91	0.25	0.3	175	597	1.46
Two Door	62-1/4" x 82"	1.51	0.5	0.45	295	1007	2.46
Three Door	92-3/4" x 82"	2.12	0.75	0.6	416	1420	3.47
Four Door	123" x 82"	2.75	1.0	0.75	539	1840	4.50

Anti-Sweat Sensor Information

At the top of each frame is an anti-sweat sensor, when electrical installation has been successfully completed, the GREEN LED will light up. When the RED LED lights up, the sensor has been triggered by a rising dew point, and has turned on the frame heaters. A YELLOW LED means that there is a problem with the electrical connections, or possibly that a fuse has been tripped or overloaded. If there are no lights visible, the power is not connected properly.

There is a white dial on the anti-sweat control, you can turn this to the right towards H to have the sensors be more sensitive to rising dew points. This is suited for high humidity environments.

The area outside of the cooler or freezer must be kept between 68-75°F with 55% humidity or less for the anti-sweat system to work properly.

