

HUSSMANN®



INNOVATOR DOOR SYSTEM FOR WALK-IN COOLERS

**IWL--75A
& IWM--75A**

Technical Data Sheet

P/N 2402289_C

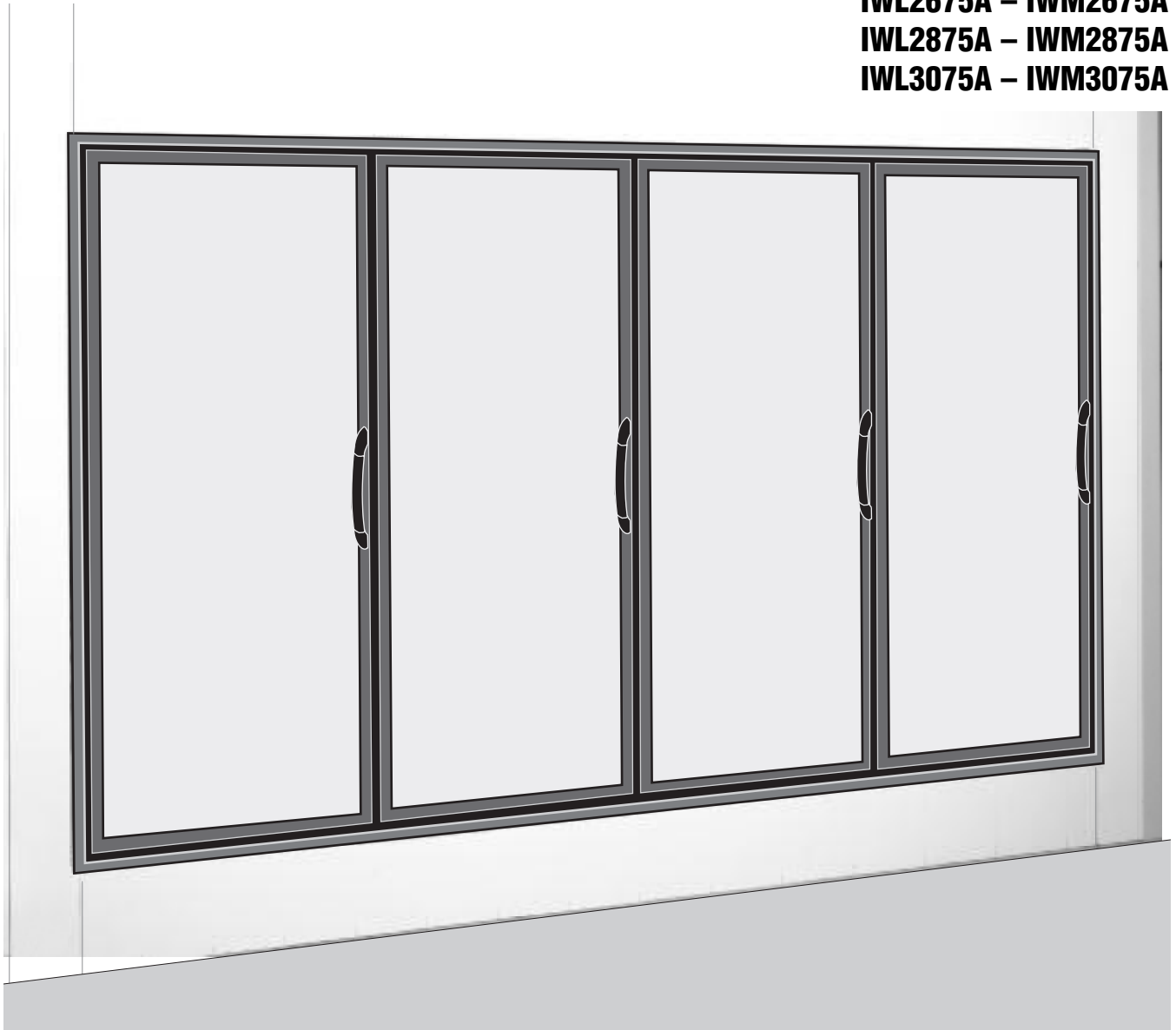
November 2011

IWL2475A – IWM2475A

IWL2675A – IWM2675A

IWL2875A – IWM2875A

IWL3075A – IWM3075A



One to Five Doors per Frame, Left or Right Hinge

HUSSMANN/AMERICAN

Arroz 155

Iztapalapa, México D.F. 09820

Tel: 85 03 19 00

NOTE:

Changed items are underlined or have bars in margin.

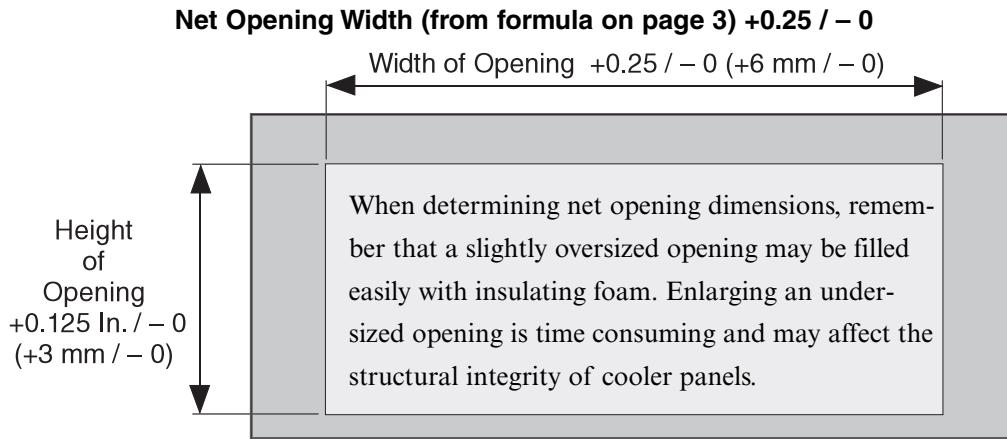
Revision C adds EcoShine II LEDs.



IWL-75A & IWM-75A

Innovator Door and Frame

Innovator Doors are designed for use in areas where temperature does not exceed 75°F (24°C) and relative humidity does not exceed 55%.



Product Code

I W X X X X X X - X X X

Innovator Product Family _____

Walk-In Cooler _____

Temperature Application _____

L = Low
M = Medium

Nominal Door Width (inches) _____

Nominal Frame Height (inches) _____

Frame Material _____

R = RIM Injection Molded
A = Aluminum

Number of Openings in Frame _____

Letter and Number designations used for color and trim options _____

Frame Dimensions — to be used in formula on Page 3

<i>Width</i>	IWL2475 or IWM2475		IWL2675 or IWM2675		IWL2875 or IWM2875		IWL3075 or IWM3075	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.
1 Door	24.769	629	27.522	700	29.500	750	31.500	800
2 Doors	48.438	1231	53.937	1523	57.935	1472	61.938	1574
3 Doors	72.130	1833	80.375	2042	86.375	2194	92.375	2347
4 Doors	95.813	2434	106.812	2714	114.812	2917	122.813	3120
5 Doors	119.500	3036	133.250	3385	143.250	3639	153.250	3893

<i>Height</i>	IWL2475 or IWM2475		IWL2675 or IWM2675		IWL2875 or IWM2875		IWL3075 or IWM3075	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.
	75.125	1908	75.125	1908	75.125	1908	75.125	1908

IWL-75A & IWM-75A
Innovator Door and Frame

NET OPENING WIDTH FORMULA
FOR 1 TO 4 FRAMES WITH 1 TO 5 DOORS PER FRAME
Consult cooler wall manufacturer to determine the maximum number of continuous doors allowed in a lineup between mullion supports.

Formula to Determine Minimum Net Opening for a One Frame Assembly

Clearance LH	+	Frame Width	+	Clearance RH	=	NET OPENING
0.188		[]		0.188		[]
Frame 1						

Formula to Determine Minimum Net Opening for a Continuous Run of Doors with No Mullions Between Frames — Two Frame Assembly

Clearance LH	+	Frame Width	+	Join	+	Frame Width	+	Clearance RH	=	NET OPENING
0.188		[]		0.125		[]		0.188		[]
Frame 1		Frame 2								

Formula to Determine Minimum Net Opening for a Continuous Run of Doors with No Mullions Between Frames — Three Frame Assembly

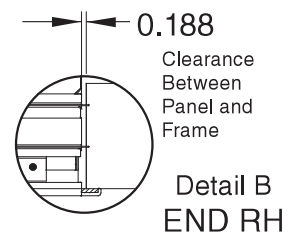
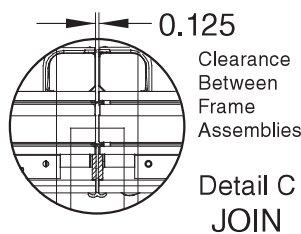
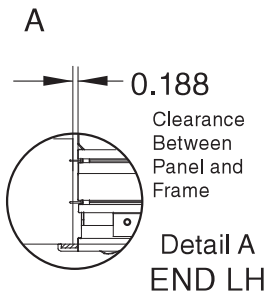
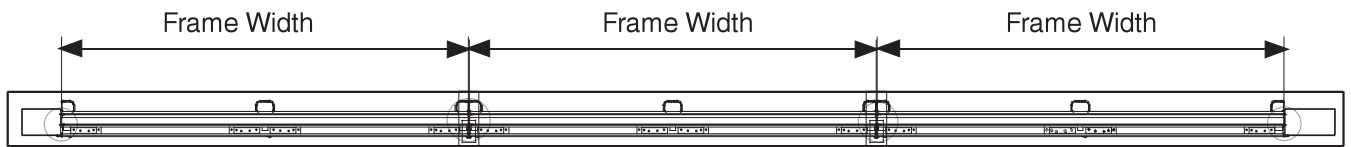
Clearance LH	+	Frame Width	+	Join	+	Frame Width	+	Join	+	Frame Width	+	Clearance RH	=	NET OPENING
0.188		[]		0.125		[]		0.125		[]		0.188		[]
Frame 1		Frame 2		Frame 3										

Formula to Determine Minimum Net Opening for a Continuous Run of Doors with No Mullions Between Frames — Four Frame Assembly

Clearance LH	+	Frame Width	+	Join	+	Frame Width	+	Join	+	Frame Width	+	Join	+	Frame Width	+	Clearance RH	=	NET OPENING	
0.188		[]		0.125		[]		0.125		[]		0.125		[]		0.188		[]	
Frame 1		Frame 2		Frame 3		Frame 4													

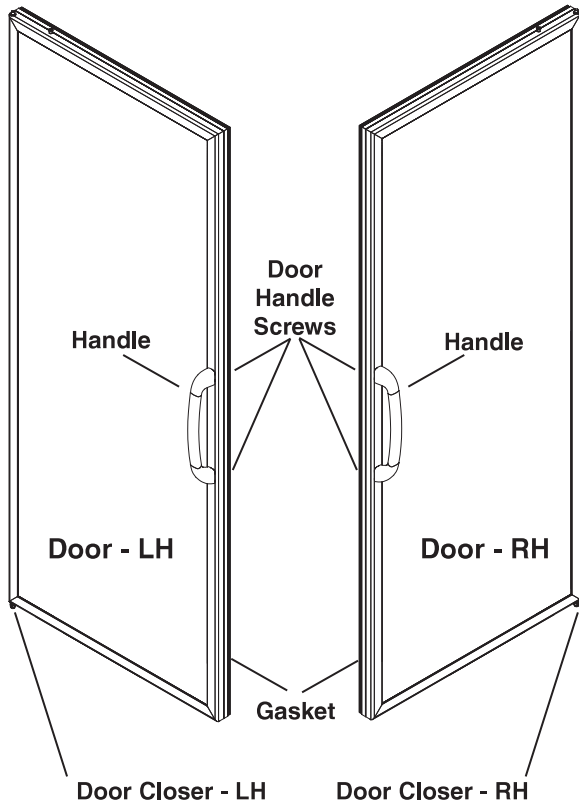
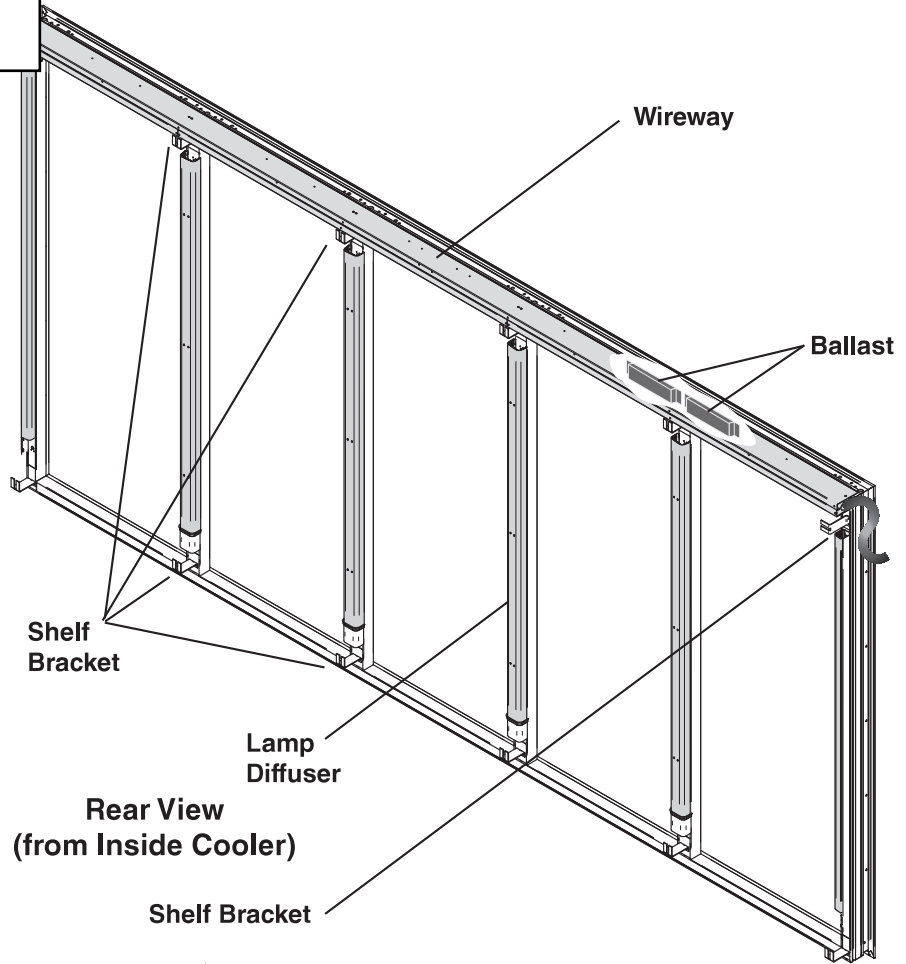
Using the illustration below as an example, the formula for a three frame assembly of two doors each gives
 Clearance LH + Frame Width + Join + Frame Width + Join + Frame Width + Clearance RH = Net Opening Width
 0.188 + 61.938 + 0.125 + 61.938 + 0.125 + 61.938 + 0.188 = 186.44 in. Net Opening Width (frame width from Page 2). Using a two frame assembly of three doors each would require a smaller net opening of 185.243 in. **Always use the fewest frames possible to achieve the number of doors required.**

THREE-FRAME ASSEMBLY



IWL-75A & IWM-75A

Innovator Door and Frame



IWL-75A & IWM-75A
Innovator Door and Frame

Description

LED Power Supply
Clip LED, Center
Clip LED, End
LED Lamps (Replace with like fixtures, sizes and light temperatures shown below.)
LED Vertical 4000K 68 in.
LED Vertical 3500K 68 in.
LED Vertical 4000K 62 in.
LED Vertical 3500K 62 in.

Door-Innovator, Medium Temperature, Black, LH
Door-Innovator, Medium Temperature, Black, RH
Door-Innovator, Medium Temperature, Gray, LH
Door-Innovator, Medium Temperature, Gray, RH
Door-Innovator, Low Temperature, Black, LH
Door-Innovator, Low Temperature, Black, RH
Door-Innovator, Low Temperature, Gray, LH
Door-Innovator, Low Temperature, Gray, RH

NOTE: GLASS AND GLASS HEATERS ARE NOT FIELD REPLACEABLE.

Handle, Black
Handle, Gray
Screw-Handle
Gasket, Magnetic, Black
Gasket, Magnetic, Gray
Torsion Rod Assembly, Bottom, LH
Torsion Rod Assembly, Bottom, RH
Pin, Top Hinge
Spring, Hinge Pin Coil
Shoulder Screw, Hold-open, Black
Shoulder Screw, Hold-open, Gray
Molding, End
Molding, Joint
Binder Post & Screw
Wireway Cover








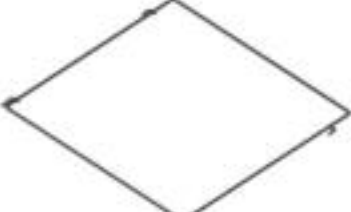

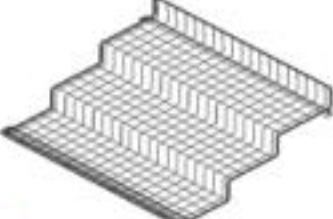



*Contact your Hussmann supplier,
Hussmann service organization or
Hussmann representative to obtain
replacement parts.*

*To find your nearest Hussmann
location, go to:
www.hussmann.com/locations*

IWL-75A & IWM-75A
Innovator Door and Frame

Not all models listed in this manual have the accessories shown on this page. Contact your Hussmann supplier, Hussmann service organization or Hussmann representative to obtain replacement parts.

Shelving Accessory Identifier

 <p>Normal Duty Shelf (loads of 100 – 150 lb)</p>	 <p>Drip Pan</p>	 <p>Front & Side Guard</p>
 <p>Heavy Duty Shelf (loads of 150 – 200 lb)</p>	 <p>Shelf Divider</p>	 <p>Post Spacer</p>
 <p>Variable Position Shelf (loads up to 300 lb)</p>	 <p>Shelf Perimeter Guard</p>	 <p>Mobile Merchandiser</p>
 <p>Step Shelf</p>	 <p>Variable Position Perimeter Guard</p>	
 <p>Basket Shelf</p>	 <p>Post with Leveler Bracket</p>	

IWL-75A & IWM-75A

Innovator Door and Frame

Wiring diagrams are provided in the *Innovator Door System Installation & Service Manual*, P/N 2402130, available at <http://www.hussmann.com/ServiceAndParts/TechnicalInformation/Pages/Walk-InDoors>

IWL2475A

REFRIGERATION DATA

Additional Capacity 875 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	0.67	1.34	2.01	2.68	3.35	80	161	241	322	402
Frames	0.40	0.79	1.18	1.58	1.98	48	95	142	190	238
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWM2475A

REFRIGERATION DATA

Additional Capacity 536 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Frames	0.20	0.39	0.59	0.79	0.99	24	47	71	95	119
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWL-75A & IWM-75A

Innovator Door and Frame

Wiring diagrams are provided in the *Innovator Door System Installation & Service Manual*, P/N 2402130, available at <http://www.hussmann.com/ServiceAndParts/TechnicalInformation/Pages/Walk-InDoors>

IWL2675A

REFRIGERATION DATA

Additional Capacity 913 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	0.74	1.48	2.22	2.96	3.7	89	178	266	355	444
Frames	0.41	0.81	1.22	1.63	2.04	49	97	146	196	245
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWM2675A

REFRIGERATION DATA

Additional Capacity 548 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
Frames	0.21	0.41	0.61	0.81	1.02	25	49	73	97	122
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWL-75A & IWM-75A Innovator Door and Frame

Wiring diagrams are provided in the *Innovator Door System Installation & Service Manual*, P/N 2402130, available at <http://www.hussmann.com/ServiceAndParts/TechnicalInformation/Pages/Walk-InDoors>

IWL2875A

REFRIGERATION DATA

Additional Capacity 950 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	0.79	1.58	2.37	3.16	3.95	95	190	284	379	474
Frames	0.43	0.83	1.24	1.65	2.07	52	100	149	198	248
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWM2875A

REFRIGERATION DATA

Additional Capacity 560 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
Frames	0.21	0.42	0.62	0.83	1.04	25	50	74	100	125
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWL-75A & IWM-75A

Innovator Door and Frame

Wiring diagrams are provided in the *Innovator Door System Installation & Service Manual*, P/N 2402130, available at <http://www.hussmann.com/ServiceAndParts/TechnicalInformation/Pages/Walk-InDoors>

IWL3075A

REFRIGERATION DATA

Additional Capacity 986 Btu/hr/door

ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	0.85	1.70	2.55	3.40	4.25	102	204	306	408	510
Frames	0.43	0.84	1.27	1.69	2.13	52	101	152	203	255
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

IWM3075A

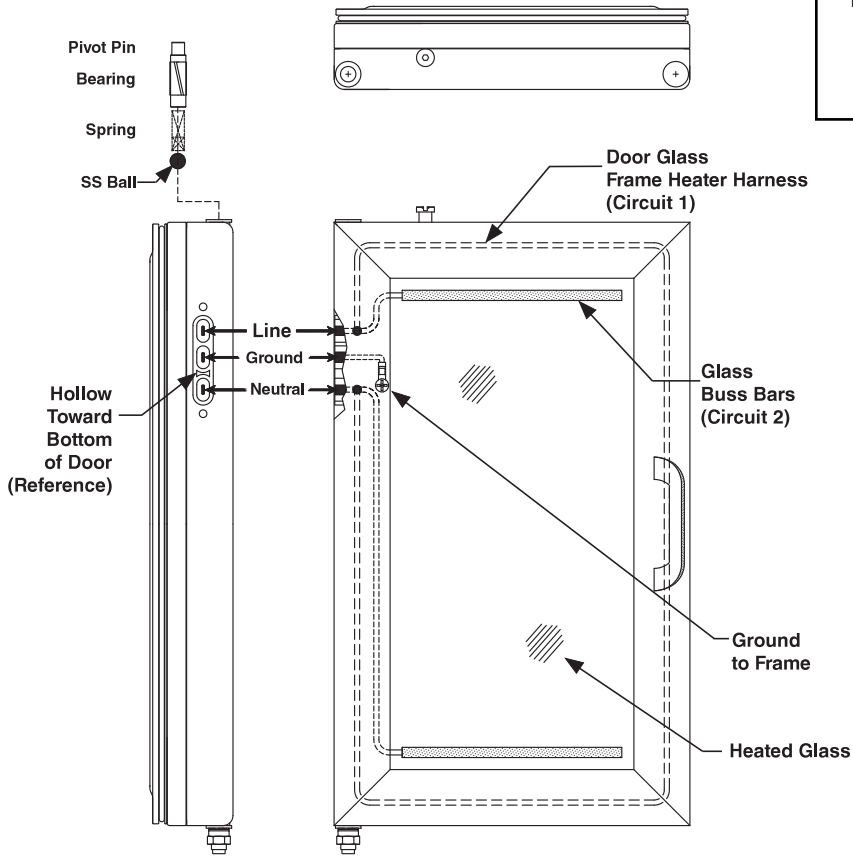
REFRIGERATION DATA

Additional Capacity 571 Btu/hr/door

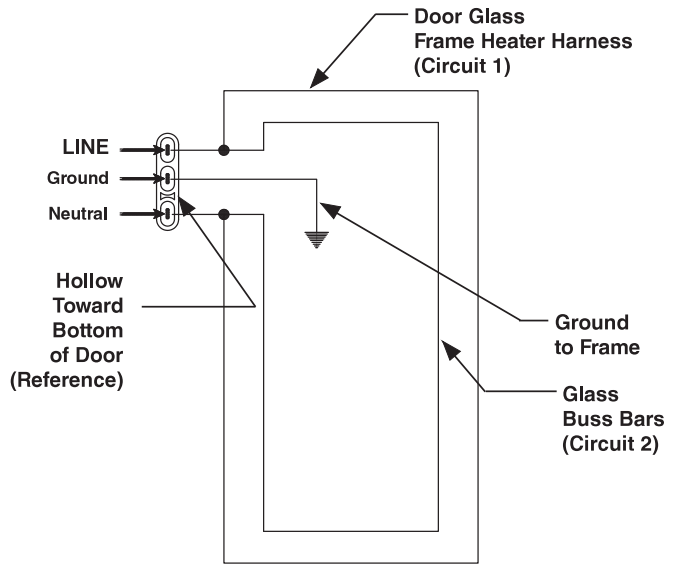
ELECTRICAL DATA

	1	2	3	4	5	1	2	3	4	5
	Door	Door	Door	Door	Door	Door	Door	Door	Door	Door
	Amperes					Watt				
Anti-sweat Heaters										
Doors	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
Frames	0.22	0.43	0.63	0.85	1.06	26	51	76	102	127
Vertical Lighting										
EcoShine II LED	0.18	0.36	0.54	0.72	0.90	22	43	65	86	108
Fluorescent	1.00	1.50	2.00	2.50	3.00	120	180	240	300	360

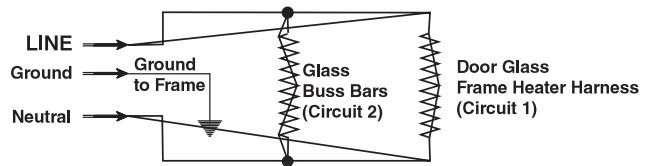
IWL-75A & IWM-75A Innovator Door and Frame



Innovator I and Innovator III Low Temperature Doors Only



SCHEMATIC



Test Resistance = 150 Ohms
(Line/Neutral)

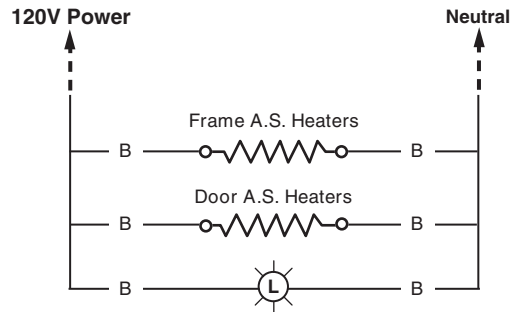
IWL-75A & IWM-75A

Innovator Door and Frame

Conduit from Wireway

Each frame has the following wires in flexible conduit:

- A. **LOW TEMPERATURE APPLICATION ONLY** — The *Door Heater Harness* is made of two joined black wires.
- B. The *Frame Heater Harness* is made of two separate black wires **OR** one black and one white wire; one or both will have a part number stamped visibly along the length of the wire.
- C. The *Power Supply Harness or Ballast Supply Harness* has one white wire and one black wire bound with Tiewrap.
- D. The *Ground* wire is green.



This photo shows the wiring with labels added for clarity. The diagram shows how the wires must be connected.

