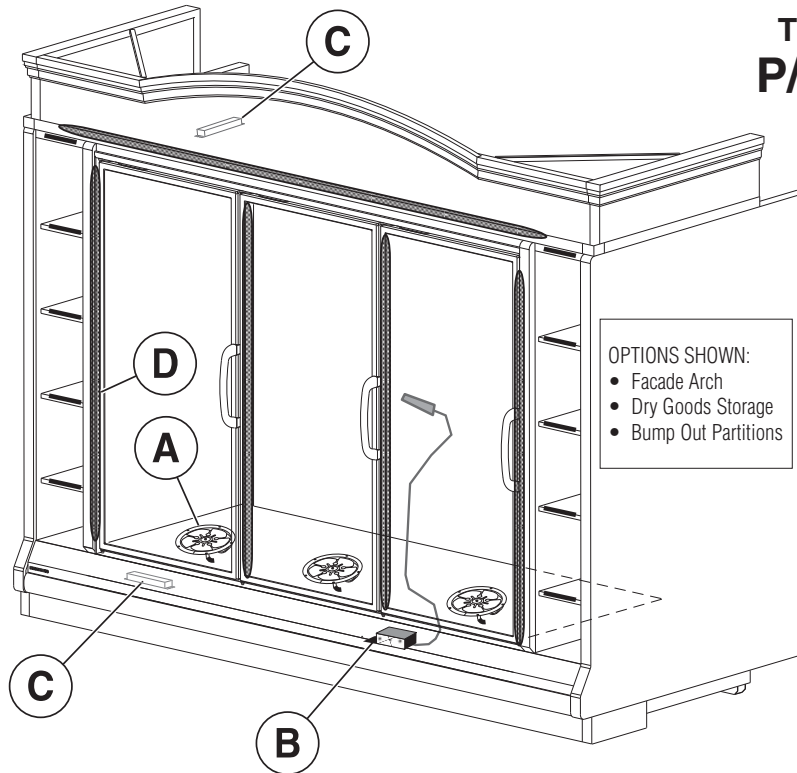


with INNOVATOR Doors

Technical Data Sheet  
**P/N 0520879\_G**

**NSF<sup>®</sup> Certified**  
April 2017



OPTIONS SHOWN:  
• Facade Arch  
• Dry Goods Storage  
• Bump Out Partitions

**DOE 2017**  
Energy Efficiency  
Compliant

**Warning:**  
Terminal  
block  
**NOT** for  
case-to-case  
wire  
connection!

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
<b>FAN ASSEMBLIES AND THERMOSTATS</b>				<b>LED FIXTURES AND POWER SUPPLY</b>			
A.	12W Standard Energy Efficient Fan Assembly (1)			C.	0499399	LED Power Supply (EP.4481668)	(3)
	0477655	Fan Motor, Evaporator (MO.4410546)					
	0461805	Fan Blade (FB.4780446)		D.	Door Lamp, LED		
					050908300	4100K Center (BU.4441330)	(4)
B.		Optional Adjustable Refrigeration Thermostat	(2)		050908400	4100K End (BU.4441331)	(5)

*Refer to INNOVATOR REACH-IN GLASS DOOR INSTALLATION AND SERVICE manual, PIN 0425683, for Innovator, Innovator II and Innovator III door and frame replacement parts.*

Data sheet-LifeLine RMN

Note: Revision G: April 2017. Updated LED energy values. Other changes marked with a bar, circle or underline.

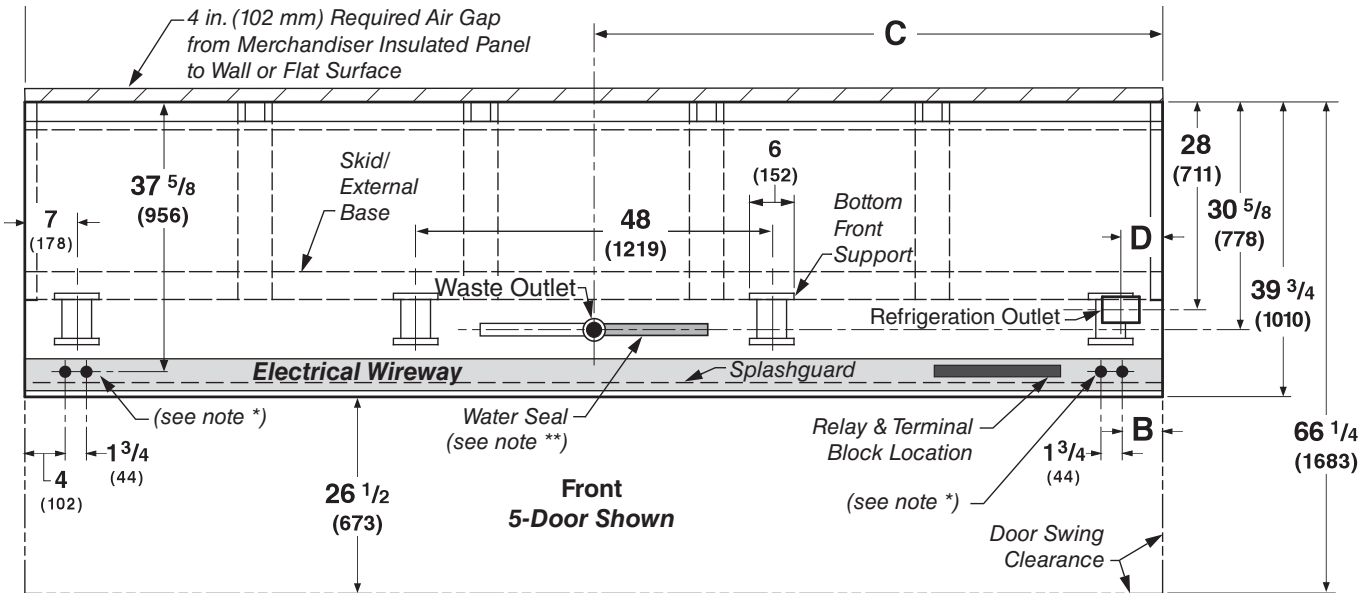
# Engineering Plan Views

## LifeLine Premier RLN - RMN Plan View 05-2010

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

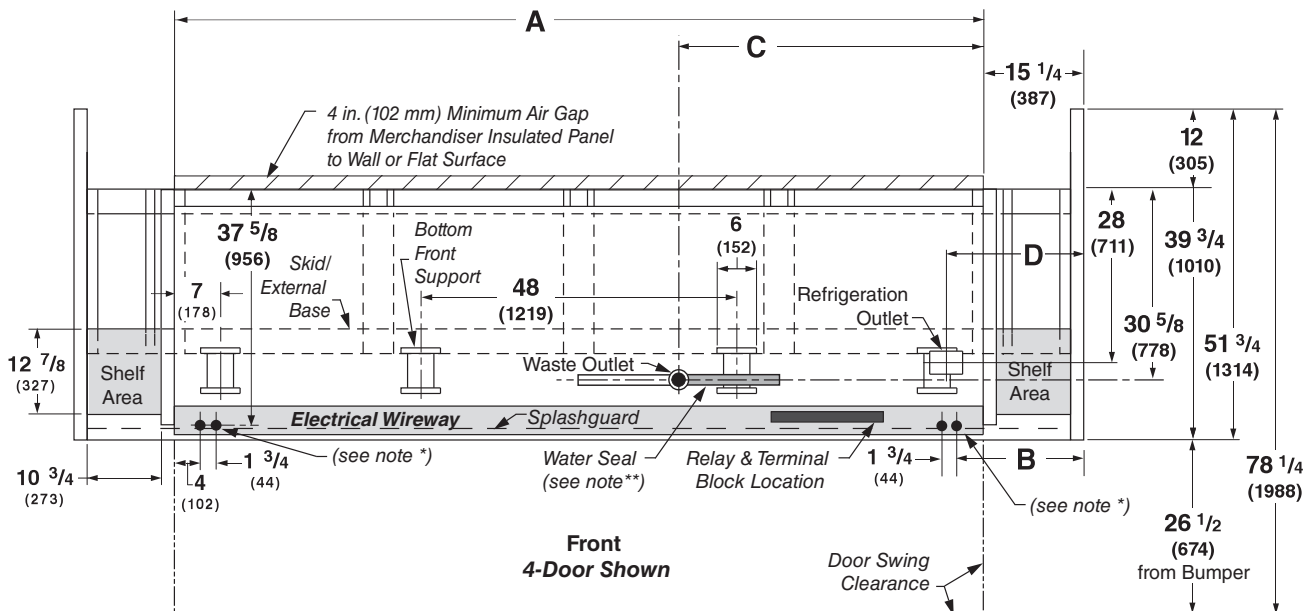
Reach-In  
2, 3, 4 & 5 Door

Dimensions shown as inches and (mm).



Base narrow footprint 5-door merchandiser is shown above, without Bump Out, Dry Goods, Partitions or Ends. Illustrated below is a 4-door merchandiser with Dry Goods cabinets and Bump Out end partitions. Refer to chart on Page 3 for detailed dimensional information on options.



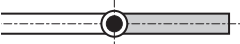

Dimensions shown as inches and (mm).



**Plan View Dimensions for  
LifeLine Premier Options**

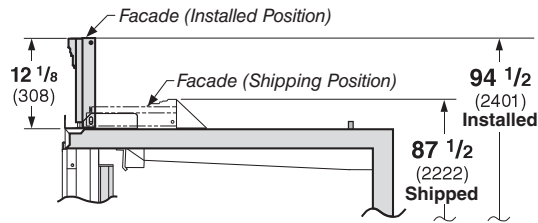
**LifeLine Premier RMN**

**With Innovator Doors  
Low Temperature**

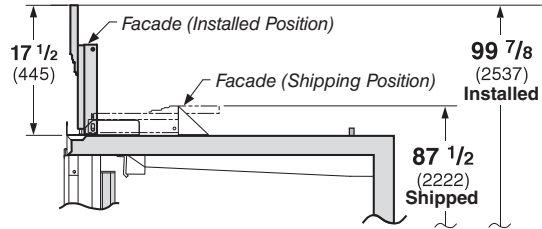
Abbreviations: DG = Dry Goods section      BO = Bump Out	2 Dr	3 Dr	4 Dr	5 Dr
<b>General</b>				
(A) Merchandiser Length	62 (1575)	92 1/2 (2350)	122 7/8 (3121)	153 3/8 (3896)
**NOTE: Each solid end adds approximately 2 3/8 in (60 mm) to length of line up; each partition add approximately 2 3/4 in (70 mm); case to case joints can add approximately 1/8 in (3 mm) for gasket material.				
(A) Merchandiser Length <b>BO</b> includes 2 bump-out ends	66 (1676)	96 1/2 (2451)	126 7/8 (3222)	157 3/8 (3997)
(A) Merchandiser Length <b>DG</b> includes 4 ends and dry goods cabinets	92 1/2 (2350)	123 (3124)	153 3/8 (3896)	NA
Maximum O/S dimension of merchandiser back to front ***	39 3/4 (1010)	39 3/4 (1010)	39 3/4 (1010)	39 3/4 (1010)
Maximum O/S dimension of merchandiser back to front <b>BO</b> ***	51 3/4 (1314)	51 3/4 (1314)	51 3/4 (1314)	51 3/4 (1314)
*** Includes bumper. Add 26 1/2 in. (673 mm) for door swing.				
Interior width of dry goods cabinet	10 3/4 (273)	10 3/4 (273)	10 3/4 (273)	NA
Interior depth of dry goods cabinet	12 7/8 (327)	12 7/8 (327)	12 7/8 (327)	NA
Back of merchandiser to rear of splashguard	35 7/8 (911)	35 7/8 (911)	35 7/8 (911)	35 7/8 (911)
Back of merchandiser to rear of splashguard <b>BO</b>	47 7/8 (1216)	47 7/8 (1216)	47 7/8 (1216)	47 7/8 (1216)
Width of Skid rail	3 3/4 (95)	3 3/4 (95)	3 3/4 (95)	3 3/4 (95)
Width of Bottom Front Support	6 (152)	6 (152)	6 (152)	6 (152)
Stub-up area between front support and splashguard	3 1/8 (79)	3 1/8 (79)	3 1/8 (79)	3 1/8 (79)
<b>Electrical Service</b> 				
(B) RH end of merchandiser to the center of nearest knockout	4 (102)	4 (102)	4 (102)	4 (102)
(B) RH end of merchandiser to the center of nearest knockout <b>BO</b>	6 (152)	6 (152)	6 (152)	6 (152)
(B) RH end of merchandiser to the center of nearest knockout <b>DG</b>	19 1/4 (489)	19 1/4 (489)	19 1/4 (489)	NA
RH end of merchandiser to the center of LH knockout	58 (1473)	88 1/2 (2248)	118 7/8 (3019)	149 3/8 (3794)
Back O/S of merchandiser with bump-out to center of knockout	49 5/8 (1260)	49 5/8 (1260)	49 5/8 (1260)	49 5/8 (1260)
* NOTE: Electrical Field Wiring Connection Point is at terminal.				
<b>Waste Outlet</b> 				
(C) Right end of merchandiser to center of waste outlet	23 7/8 (606)	54 1/4 (1378)	46 1/4 (1175)	76 5/8 (1946)
(C) Right end of merchandiser to center of waste outlet <b>BO</b>	25 7/8 (657)	56 1/4 (1429)	48 1/4 (1226)	78 5/8 (1997)
(C) Right end of merchandiser to center of waste outlet <b>DG</b>	39 (991)	69 1/2 (1765)	61 1/2 (1562)	NA
Back O/S of merchandiser with bump-out to center of waste outlet	42 5/8 (1083)	42 5/8 (1083)	42 5/8 (1083)	42 5/8 (1083)
<b>Water Seal</b> 				
Edge of water seal to center of waste outlet	13 (330)	13 (330)	13 (330)	13 (330)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
** NOTE: Field installed water seal outlets, tees, and connectors are shipped with merchandiser.				
<b>Refrigeration Outlet</b> 				
(D) RH end of merchandiser to center of RH refrigeration outlet	5 3/8 (136)	5 3/8 (136)	5 3/8 (136)	5 3/8 (136)
(D) RH end of merchandiser to center of RH refrigeration outlet <b>BO</b>	7 3/8 (187)	7 3/8 (187)	7 3/8 (187)	7 3/8 (187)
(D) RH end of merchandiser to center of RH refrigeration outlet <b>DG</b>	20 5/8 (524)	20 5/8 (524)	20 5/8 (524)	NA
Back O/S of merchandiser with bump-out to center of refrigeration outlet	44 (1118)	44 (1118)	44 (1118)	44 (1118)
Outside bottom front supports from end of merchandiser	7 (178)	7 (178)	7 (178)	7 (178)
Outside bottom front supports from end of merchandiser <b>BO</b>	9 (229)	9 (229)	9 (229)	9 (229)
Outside bottom front supports from end of merchandiser <b>DG</b>	26 1/2 (673)	26 3/4 (679) RH 37 1/2 (952) LH	24 (610)	24 (610)
Center bottom front support from Centerline	24 (610)	24 (610)	24 (610)	24 (610)
Center bottom front support from Centerline <b>BO</b>	24 (610)	24 (610)	24 (610)	24 (610)
Center bottom front support from Centerline <b>DG</b>	6 3/4 (171) LH	8 3/4 (222) RH	24 (610)	NA
Distance between Center and Outside supports will vary				

# LifeLine Premier RMN

With Innovator Doors  
Low Temperature

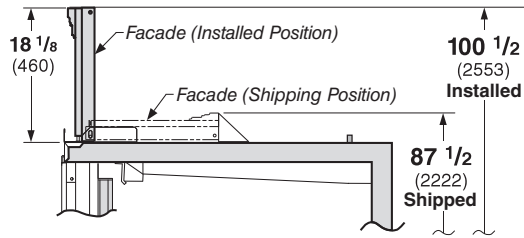


12 in. Straight Facade

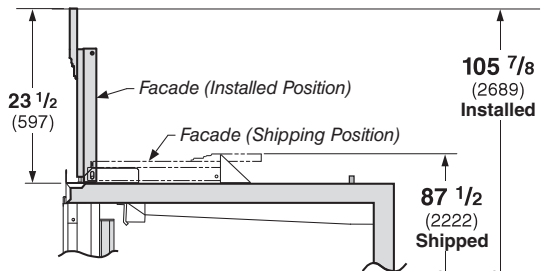


12 in. Arch Facade

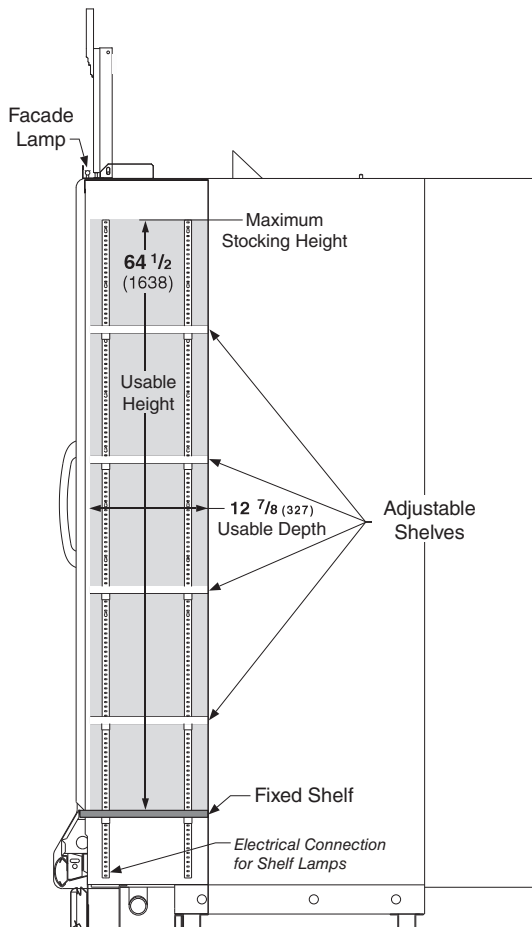
## Facade Options in Cross Section



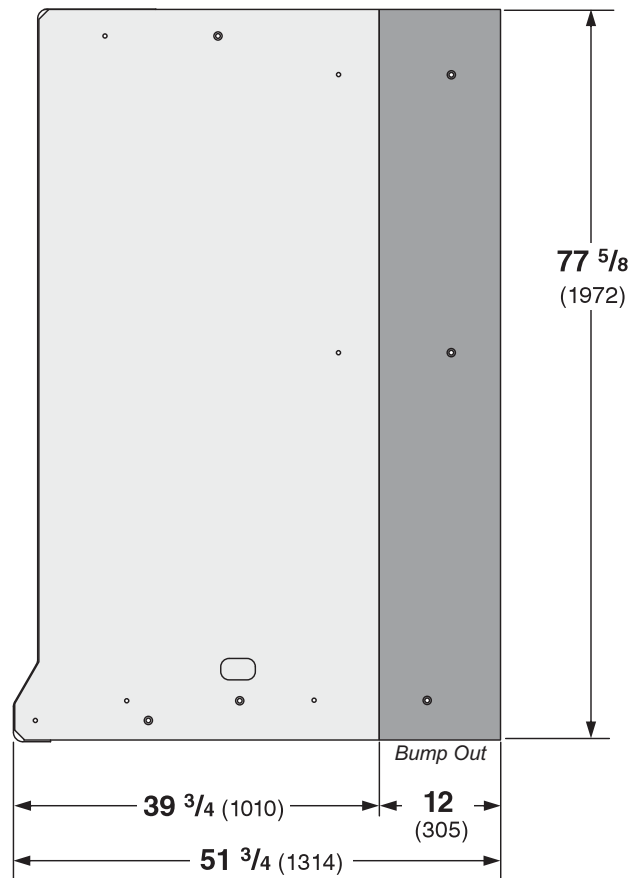
18 in. Straight Facade



18 in. Arch Facade



Dry Goods Cross-Section



Partition and End Profiles

# LifeLine Premier Narrow Footprint Reach-in 2, 3, 4 and 5 Door Models



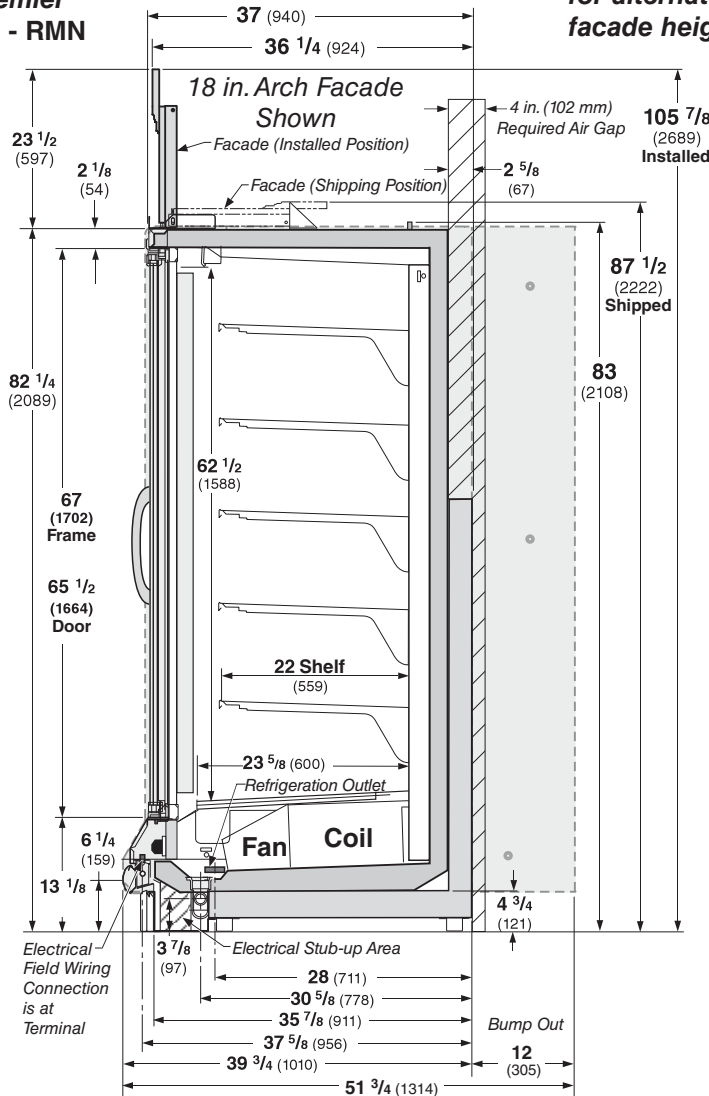
All RL and RM models meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Standard Reach-in configuration consists of Innovator I doors, energy efficient fan motors, and EcoShine II LED vertical lighting.

**LifeLine Premier  
RLN - RMN**

Dimensions shown as inches and (mm).

See Page 4  
for alternate  
facade heights.



### Estimated Charge \*\*\*

<b>2Dr</b>	1.8 lb	29 oz	0.8 kg
<b>3Dr</b>	2.7 lb	43 oz	1.2 kg
<b>4Dr</b>	3.6 lb	58 oz	1.6 kg
<b>5Dr</b>	4.6 lb	74 oz	2.1 kg

\*\*\*This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately 0.5 lb (8 oz / 0.2 kg).

### NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.

## LifeLine Premier **RMN**

With Innovator Doors  
Low Temperature

### REFRIGERATION DATA<sup>§</sup>

Note: This data is based on store temperature and humidity levels that do not exceed NSF guidelines.

	MEDIUM TEMP	AHRI Rating
Discharge Air °F	32	36
Evaporator °F	27	32
Unit Sizing °F	25	30

### BTU/HR/DOOR

	NSF TYPE I	NSF TYPE II	AHRI Rating
Temp (°F) /R.H.75%/55%	80%/55%		
<b>INNOVATOR</b>			
Parallel	480	505	470
Conventional	500	525	490

§ Average evaporator temperature shown. Use dew point for high glide refrigerants for unit sizing. Care should be taken to use the dew point in PT tables for measuring and adjusting superheat. Adjust evaporator pressure as needed to maintain discharge air temperature shown.

### DEFROST DATA

Frequency (hr)	24
Defrost Water (lb/Dr/day)	0.36
(± 15% based on case configuration and product loading.)	

### ELECTRIC

Temp Term (°F)	NA
Failsafe (minutes)	NA

**GAS** Not Recommended

**OFFTIME** 60 minutes

### CONVENTIONAL CONTROLS

Low Pressure Backup Control  
C/CO (Temp °F)\*\* +20°/+10°

Indoor Unit Only, Pressure Defrost Termination (Temp °F)\*\*

Not Recommended

\*\*Use a Temperature Pressure Chart to determine PSIG conversions.

## LifeLine Premier RMN

With Innovator Doors  
Low Temperature

**Husmann recommends against frame heater cycling with *Innovator* doors or *Innovator III* doors to prevent door seals from freezing to the frames and tearing.**

### Electrical Data

	2Dr	3Dr	4Dr	5Dr				
Number of Fans—12W	2	3	4	5				
	Amperes				Watts			
Merchandise	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr
Energy Efficient Evaporator Fan								
120V 50/60Hz Innovator	0.60	0.90	1.20	1.50	36	54	72	90
220V 50/60Hz Export Innovator	0.30	0.45	0.60	0.75	36	54	72	90
Door Anti-sweat Heaters (on fan circuit)	NA							
Frame Anti-sweat Heaters (on fan circuit)								
120V 50/60Hz	0.40	0.60	0.80	1.00	47	71	94	118
220V 50/60Hz Export Innovator	0.20	0.30	0.40	0.50	47	71	94	118
Minimum Circuit Ampacity								
120V 50/60Hz	1.20	1.70	2.20	2.70				
220V 50/60Hz Export Innovator	0.70	0.95	1.20	1.45				
Maximum Over Current Protection 120V	20	20	20	20				
Maximum Over Current Protection 220V	15	15	15	15				
Defrost	NA							
Standard Vertical LED Lighting	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr
Husmann EcoShine II™ (120V)	0.36	0.54	0.72	0.90	38	57	76	95
Husmann EcoShine II™ (220V Export)	0.20	0.29	0.39	0.49	38	57	76	95

\* Dry Goods sections are not available on 5-Door models.

**Product Data**

<i>Recommended Usable Cube</i> <sup>1</sup> (Cu Ft/Dr)	22.80 ft <sup>3</sup> /Dr (0.65 m <sup>3</sup> /Dr)
<i>AHRI Total Display Area</i> <sup>2</sup> (Sq Ft/Dr)	13.04 ft <sup>2</sup> /Dr (1.21 m <sup>2</sup> /Dr)
<i>Shelf Area</i> <sup>3</sup> (Sq Ft/Dr)	28.50 ft <sup>2</sup> /Dr (2.65 m <sup>2</sup> /Dr)

<sup>1</sup> AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft<sup>3</sup>/ft [m<sup>3</sup>/m]

<sup>2</sup> Computed using AHRI 1200 standard methodology: Total Display Area, ft<sup>2</sup> [m<sup>2</sup>]/Unit of Length, ft [m]

<sup>3</sup> Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is (5) rows of 22-inch shelves.

**Product Data (Dry Goods Area Only)**

<i>TOTAL Gross Usable Cube (Volume for 2 DG per merchandiser)</i>	10.33 ft <sup>3</sup> / (0.29 m <sup>3</sup> )
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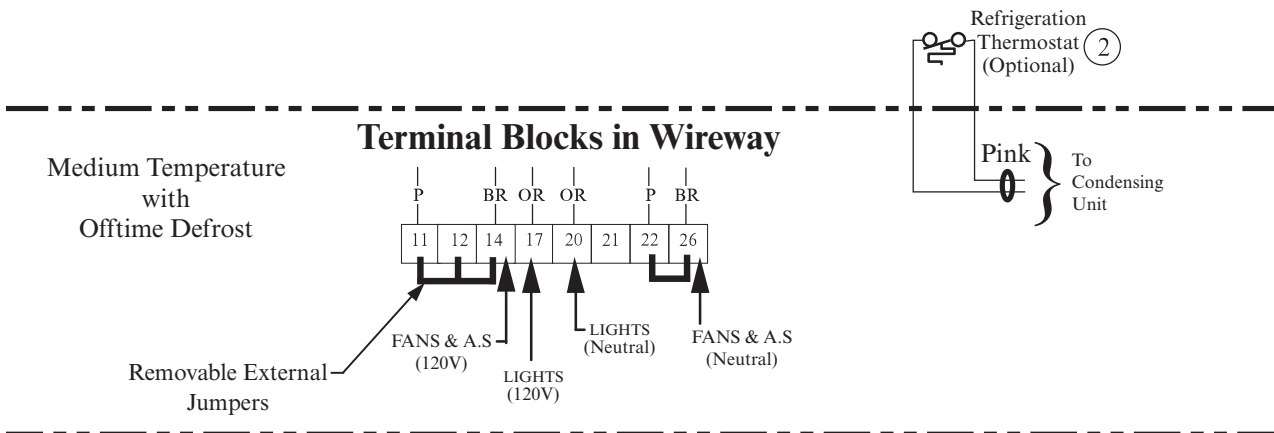
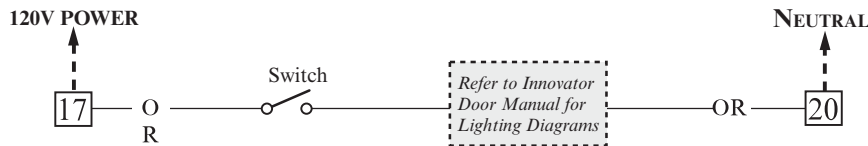
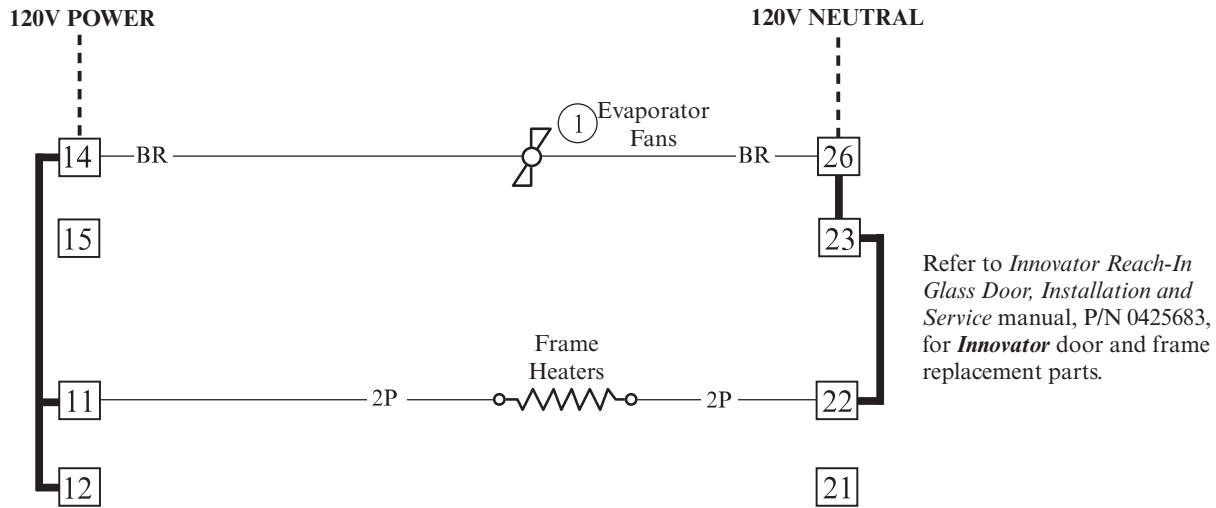
<b>ESTIMATED SHIPPING WEIGHT<sup>4</sup></b>					
	<b>2 Dr</b>	<b>3 Dr</b>	<b>4 Dr</b>	<b>5 Dr</b>	<b>Solid End (each)</b>
<b>Standard LifeLine Premier Merchandiser (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	925 (420)	1167 (529)	1578 (716)	1945 (882)	65 (29)
<b>Standard LifeLine Premier Merchandiser (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	935 (424)	1182 (536)	1598 (725)	1970 (894)	74 (34)
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1093 (496)	1335 (606)	1746 (792)	2113 (958)	NA
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1115 (506)	1362 (618)	1778 (806)	2150 (975)	NA
<b>LifeLine Premier Merchandiser with Two (2) Dry Goods Sections, Four (4) Partitions (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1382 (627)	1624 (737)	2035 (923)	NA	NA
<b>LifeLine Premier Merchandiser with Two (2) Dry Goods Sections, Four (4) Partitions (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1411 (640)	1658 (752)	2074 (941)	NA	NA
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions, Two (2) Dry Goods Sections, Two (2) Partitions (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1421 (645)	1663 (754)	2074 (941)	NA	NA
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions, Two (2) Dry Goods Sections, Two (2) Partitions (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1452 (659)	1699 (771)	2115 (959)	NA	NA
Add 10 lb (5 kg) for Arch					
<sup>4</sup> Actual weights will vary according to optional kits included.					

# Fan and Heater Circuits - Offtime Defrost (standard)

## Medium Temperature

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS  
 R = Red P = Purple 2P = Purple (2 Bands) DB = Dark Blue BK = Black  
 LB = Light Blue Pink = Pink BR = Brown Y = Yellow OR = Orange W = White

**THESE ARE MARKER COLORS (WIRE MAY VARY.)**



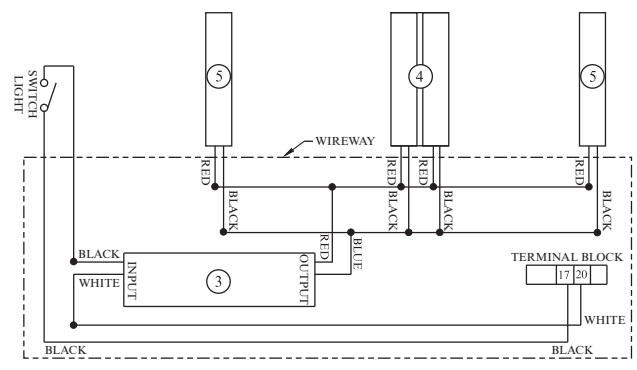
**WARNING**

All components must have mechanical ground, and the merchandiser must be grounded.

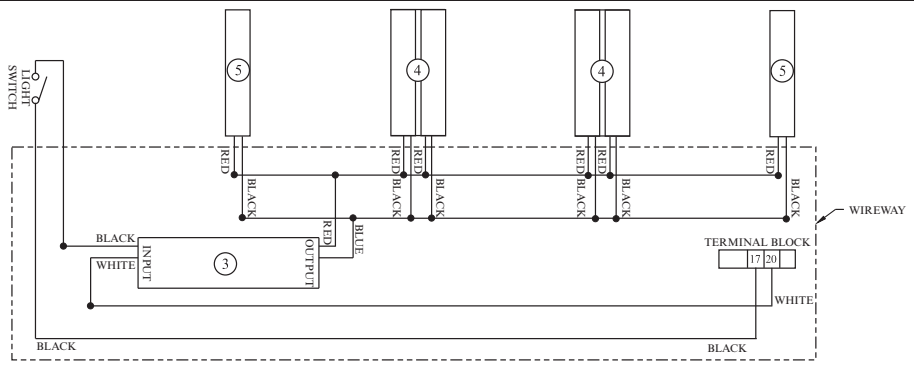
● = 120V Power    ○ = 120V Neutral    ⊥ = Field Ground     $\overline{\overline{\overline{\quad}}}$  = Case Ground



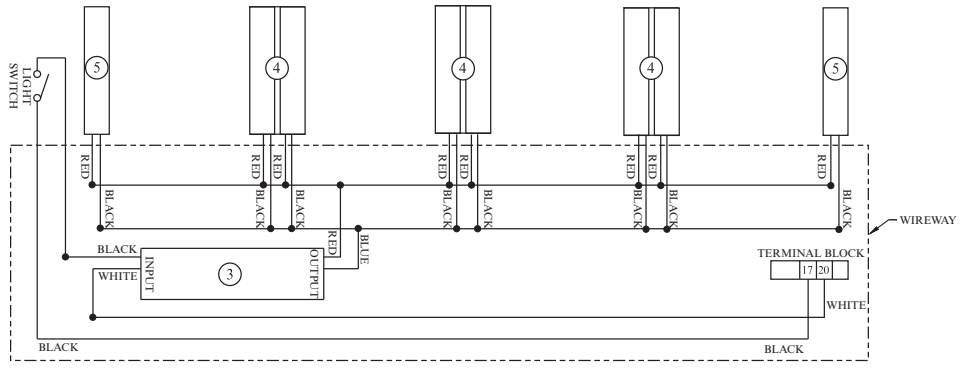
**Optional  
Lighting  
LED  
Fixtures  
Husmann  
EcoShine™**



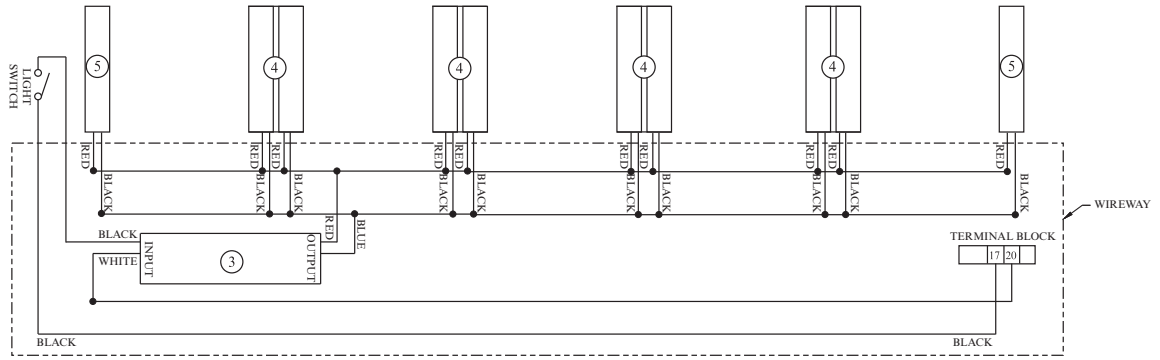
**2 DOOR LED LIGHT WIRING DIAGRAM**



**3 DOOR LED LIGHT WIRING DIAGRAM**



**4 DOOR LED LIGHT WIRING DIAGRAM**



**5 DOOR LED LIGHT WIRING DIAGRAM**

**WARNING**

All components must have mechanical ground, and the merchandiser must be grounded.

Circled numbers = Parts List Item Numbers

R = Red    Y = Yellow    G = Green    BL = Blue    BK = Black    W = White

● = 120V Power    ○ = 120V Neutral    ⊥ = Field Ground    ≡ = Case Ground