

**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>HEATERS (CONTINUED)</b>			
A.	<b>12W Standard Fan Assembly</b>		(1)	I.	Drain Pan Heater — Electric & KoolGas (120V)		(9)
	MO.4410103	Fan Motor, Evaporator			HE.4850239	(1) 2 Door Models	
	FB.4780446	Fan Blade			HE.4850240	(1) 3 Door Models	
	<b>12W Optional Energy Efficient Fan Assembly</b>		(1)		HE.4850241	(1) 4 Door Models	
	MO.4410546	Fan Motor, Evaporator			HE.4850242	(1) 5 Door Models	
	FB.4780446	Fan Blade		<b>LED FIXTURES AND POWER SUPPLY</b>			
B.	CT.4440726	Standard Non-adjustable Defrost Thermostat	(2)	J.	EP.4481668	Power Supply	(10)
C.		Optional Adjustable Refrigeration Thermostat	(3)	K.	Door Lamp, LED		
D.	CT.4440261	Defrost Limit Thermostat	(4)		BU.4440875	3500K Center	(11)
E.	CT.4481296	Relay Control Thermostat or Fan and Anti-sweat Heater Thermostat	(5)		BU.4440877	4100K Center	(11)
					BU.4440876	3500K End	(12)
					BU.4440878	4100K End	(12)
<b>RELAYS</b>				L.	Facade Lamp, LED		(13)
F.	RL.4480238	Anti-Sweat Control Relay (120V)	(6)		BU.4441411	2900K 29.5 In. Length	
G.		Fan Control Relay	(7)		BU.4441412	2900K 30.5 In. Length	
	RL.4480237	(208V) Electrical Defrost		M.	BU.4441413	Gooseneck Lamp	(14)
	RL.4480238	(120V) KoolGas Defrost		N.	Dry Goods Lamp, LED		(15)
					BU.4441414	3500K	
<b>HEATERS</b>				(NOTE: Gooseneck Lamp and Dry Goods Lamp cannot be applied to same merchandiser.)			
H.	Electric Defrost Heaters – Front (208V)		(8)		SH.4991645	KLU9600	
	HE.4850346	(1) 2 Door Models				Dry Goods Shelf, Lighted, Pearwood	
	HE.4850337	(1) 3 Door Models		<b>Refer to INNOVATOR REACH-IN GLASS DOOR INSTALLATION AND SERVICE manual, P/N 0425683, for Innovator and Innovator II door and frame replacement parts.</b>			
	HE.4850347	(1) 4 Door Models					
	HE.4850323	(1) 5 Door Models					
	Electric Defrost Heaters – Rear (208V)		(8)				
	HE.4850358	(1) 2 Door Models (HE.4850358)					
	HE.4850359	(1) 3 Door Models (HE.4850359)					
	HE.4850360	(1) 4 Door Models (HE.4850360)					
	HE.4850361	(1) 5 Door Models (HE.4850361)					

**NOTE:** Revision B updates stocking level on page 4 and updates pages 1, 2, 3, 5, 7, 11 and 12. Changes are underlined, circled or marked with a vertical line in the margin.



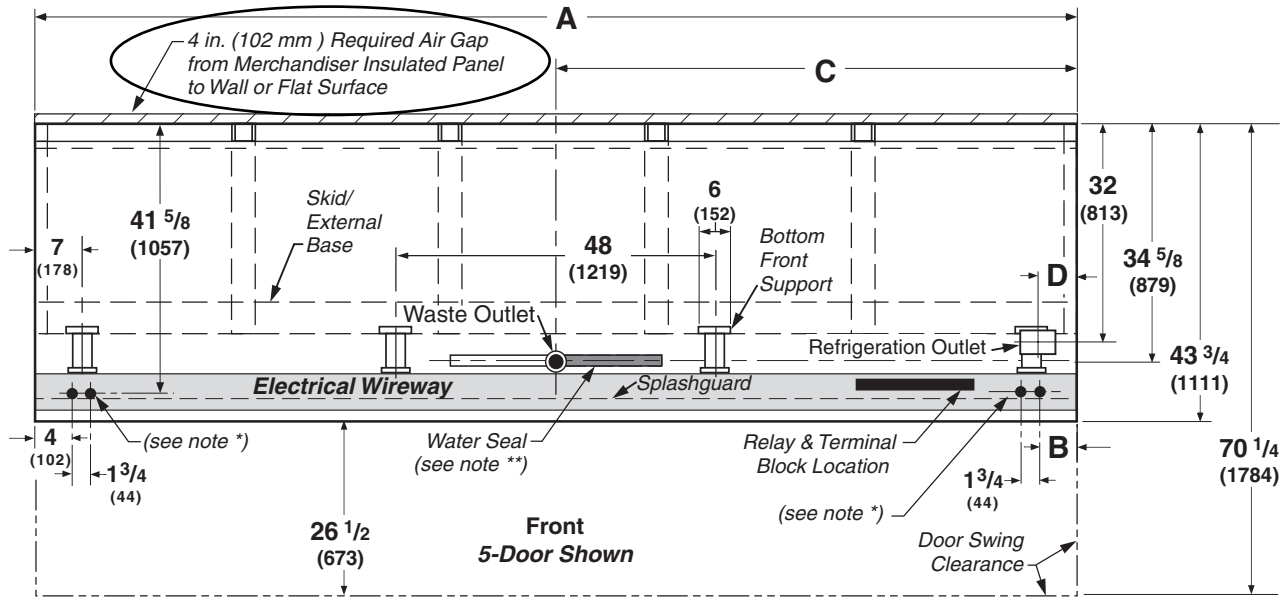
# Engineering Plan Views

## LifeLine Premier RL - RM Plan View 05-2010

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

Reach-In  
2, 3, 4 & 5 Door

Dimensions shown as inches and (mm).



Base 5-door merchandiser is shown above, without Bump Out, Dry Goods sections, Partitions or Ends.

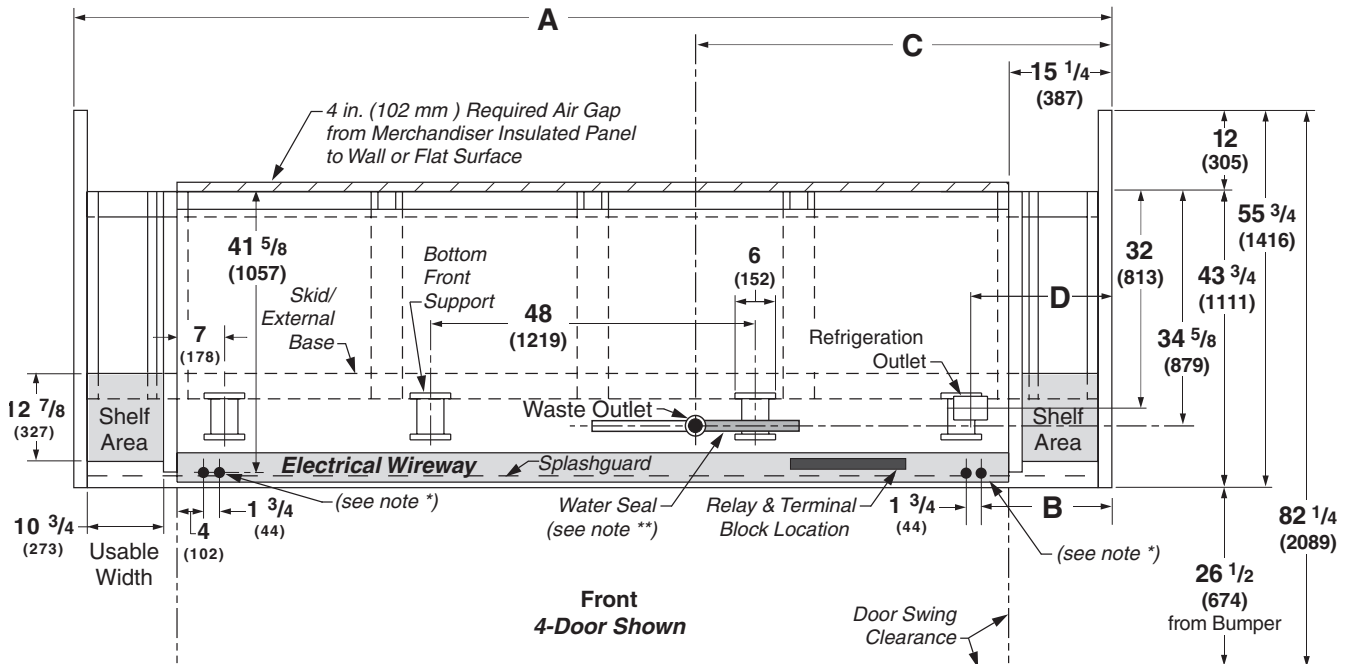
Illustrated below is a 4-door merchandiser with Dry Goods cabinets and Bump Out end partitions.

Refer to chart on Page 3 for detailed dimensional information on options.

## LifeLine Premier — Dry Goods \ Bump Out Plan View





2, 3 & 4 Door

Dimensions shown as inches and (mm).

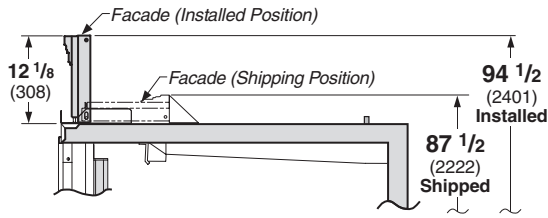


**Plan View Dimensions for  
LifeLine Premier Options**

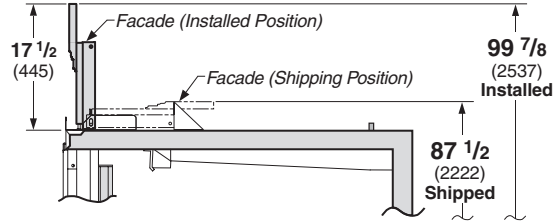
<p><b>LifeLine Premier RL</b> With INNOVATOR Doors Frozen Food &amp; Ice Cream</p>
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Abbreviations: DG = Dry Goods section      BO = Bump Out				
General	2 Dr	3 Dr	4 Dr	5 Dr
<b>(A)</b> Merchandiser Length	62 (1575)	92 1/2 (2350)	122 7/8 (3121)	153 3/8 (3896)
<b>(A)</b> Merchandiser Length <b>BO</b> includes 2 bump-out ends	66 (1676)	96 1/2 (2451)	126 7/8 (3222)	157 3/8 (3997)
<b>(A)</b> 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 ***	43 3/4 (1111)	43 3/4 (1111)	43 3/4 (1111)	43 3/4 (1111)
Maximum O/S dimension of merchandiser back to front <b>BO</b> ***	55 3/4 (1416)	55 3/4 (1416)	55 3/4 (1416)	55 3/4 (1416)
*** 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	39 7/8 (1013)	39 7/8 (1013)	39 7/8 (1013)	39 7/8 (1013)
Back of merchandiser to rear of splashguard <b>BO</b>	51 7/8 (1318)	51 7/8 (1318)	51 7/8 (1318)	51 7/8 (1318)
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>(B)</b> RH end of merchandiser to the center of nearest knockout	4 (102)	4 (102)	4 (102)	4 (102)
<b>(B)</b> RH end of merchandiser to the center of nearest knockout <b>BO</b>	6 (152)	6 (152)	6 (152)	6 (152)
<b>(B)</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	53 5/8 (1362)	53 5/8 (1362)	53 5/8 (1362)	53 5/8 (1362)
* NOTE: Electrical Field Wiring Connection Point is at terminal.				
<b>Waste Outlet</b> 				
<b>(C)</b> Right end of merchandiser to center of waste outlet	<u>23 7/8 (606)</u>	54 1/4 (1378)	46 1/4 (1175)	76 5/8 (1946)
<b>(C)</b> Right end of merchandiser to center of waste outlet <b>BO</b>	<u>25 7/8 (657)</u>	56 1/4 (1429)	48 1/4 (1226)	78 5/8 (1997)
<b>(C)</b> 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	46 5/8 (1184)	46 5/8 (1184)	46 5/8 (1184)	46 5/8 (1184)
<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> 				
<b>(D)</b> 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)
<b>(D)</b> 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)
<b>(D)</b> 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	<u>7 (178)</u>	<u>7 (178)</u>	<u>7 (178)</u>	<u>7 (178)</u>
Outside bottom front supports from end of merchandiser <b>BO</b>	<u>9 (229)</u>	<u>9 (229)</u>	<u>9 (229)</u>	<u>9 (229)</u>
Outside bottom front supports from end of merchandiser <b>DG</b>	<u>26 1/2 (673)</u>	<u>26 3/4 (679) RH</u> <u>37 1/2 (952) LH</u>	<u>26 1/4 (667)</u>	NA
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>	<u>6 3/4 (171) LH</u>	<u>8 3/4 (222) RH</u>	24 (610)	NA
Distance between Center and Outside supports will vary				

**LifeLine Premier RL**  
 With INNOVATOR Doors  
 Frozen Food & Ice Cream

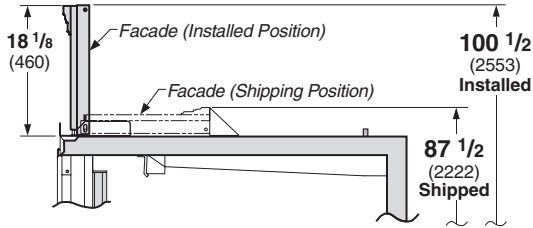


12 in. Straight Facade

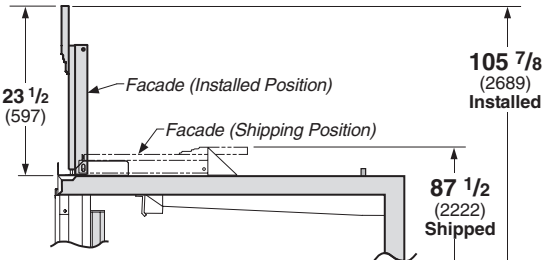


12 in. Arch Facade

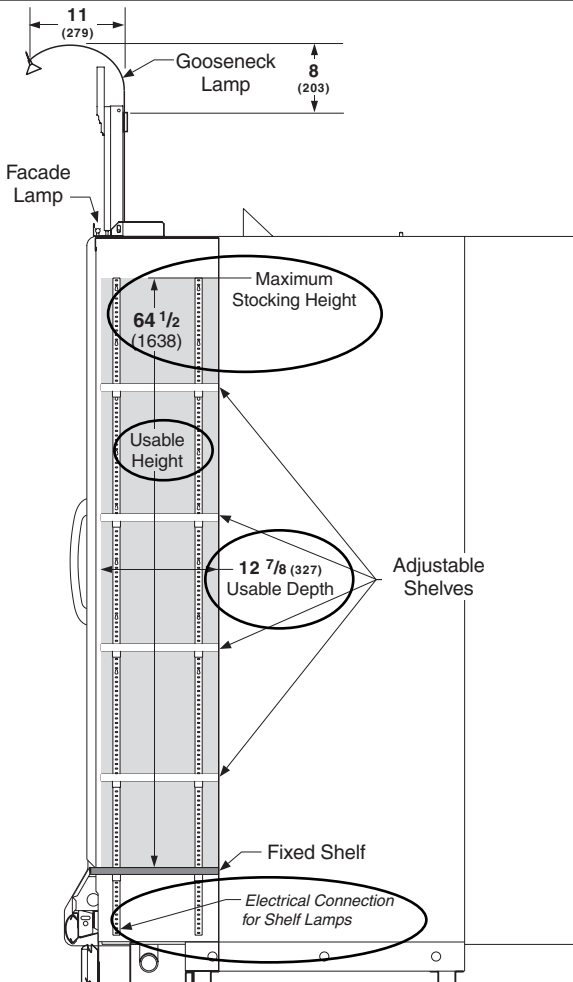
**Facade Options in Cross Section**



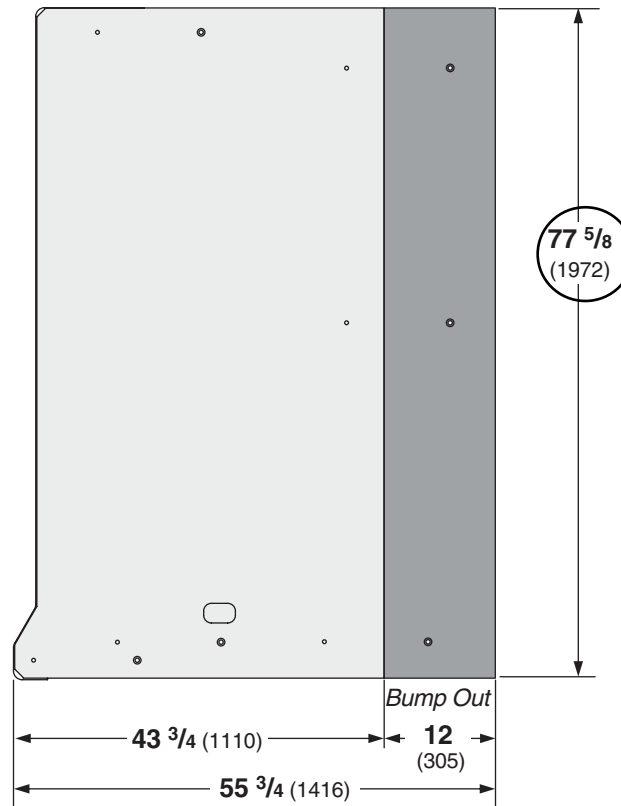
18 in. Straight Facade



18 in. Arch Facade



**Dry Goods Cross-Section**



**Partition and End Profiles**

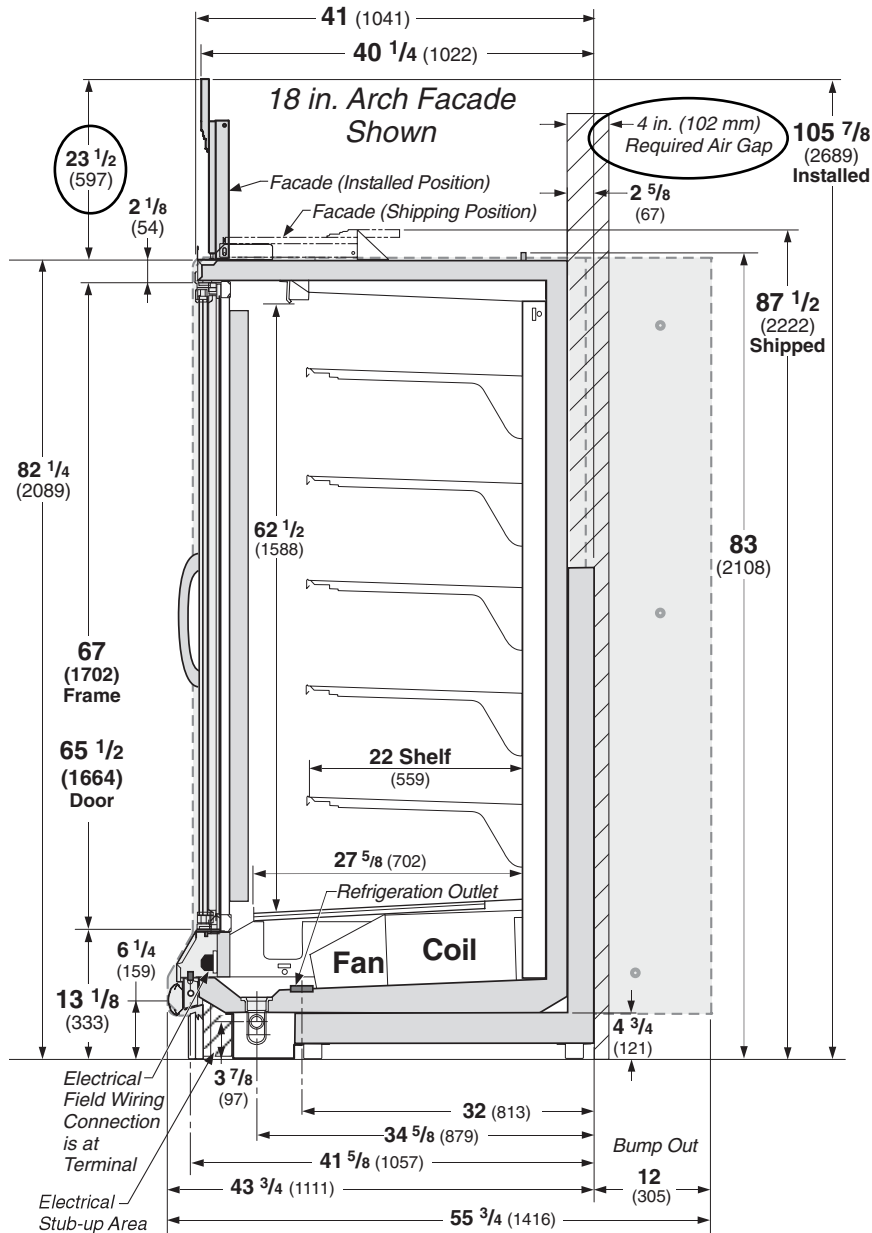
# LifeLine Premier Reach-in 2, 3, 4 and 5 Door Models

**LifeLine Premier RL**  
 With INNOVATOR Doors  
 Frozen Food & Ice Cream

Dimensions shown as inches and (mm).

**LifeLine Premier**  
**RL - RM**

**See Page 4**  
**for alternate**  
**facade heights.**



## REFRIGERATION DATA

**Note:** This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	FF	IC
<b>Discharge Air (°F)</b>	-5	-12
<b>Evaporator (°F)</b>	-11	-19
<b>Unit Sizing (°F)</b>	-14	-22
<b>Btu/hr/Door*</b>		
<b>Parallel</b>	1200	1270
<b>Conventional</b>	1225	1300

\*Optional Energy Efficient Fan motors reduce refrigeration load by 109 Btu/hr/Door.

## DEFROST DATA

	FF	IC
<b>Frequency (hr)</b>	24	24
<b>Defrost Water (lb/Dr/day)</b>	1.2	1.2

(± 15% based on merchandiser configuration and product loading.)

<b>ELECTRIC</b>	FF	IC
<b>Temp Term (°F)</b>	48°	48°
<b>Failsafe (minutes)</b>	45	45

<b>GAS</b>	FF	IC
<b>Duration (minutes)</b>	20	20

**OFFTIME** Not Recommended

## CONVENTIONAL CONTROLS

**Low Pressure Backup Control**

	FF	IC
<b>CI/CO (Temp °F)**</b>	-18°/-34°	-26°/-45°

**Indoor Unit Only, Pressure Defrost**

**Termination (Temp °F)\*\***  
 Not Recommended

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

## Estimated Charge \*\*\*

<b>2Dr</b>	1.8lb	29 oz	0.8 kg
<b>3Dr</b>	2.7lb	43 oz	1.2 kg
<b>4Dr</b>	3.6lb	58 oz	1.6 kg
<b>5Dr</b>	4.6lb	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 ANSI/NSF (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.

**LifeLine Premier RL**  
 With INNOVATOR Doors  
 Frozen Food & Ice Cream

**Hussmann recommends against frame heater cycling with Innovator 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				
	<b>Amperes</b>				<b>Watts</b>			
<b>Merchandiser</b>	<b>2Dr</b>	<b>3Dr</b>	<b>4Dr</b>	<b>5Dr</b>	<b>2Dr</b>	<b>3Dr</b>	<b>4Dr</b>	<b>5Dr</b>
<b>Evaporator Fan</b>								
120V 60Hz Standard	1.30	1.95	2.60	3.25	100	150	200	250
120V 50Hz Standard	1.50	2.25	3.00	3.75	114	171	228	285
220V 60Hz Export	0.66	0.99	1.32	1.65	100	150	200	250
220V 50Hz Export	0.76	1.14	1.52	1.90	114	171	228	285
120V 60Hz Energy Efficient	0.60	0.90	1.20	1.50	36	54	72	90
220V 60Hz Energy Efficient	0.30	0.45	0.60	0.75	36	54	72	90
<b>Door Anti-sweat Heaters (on fan circuit)</b>								
120V 50/60Hz Standard	1.54	2.31	3.08	3.86	185	278	370	463
220V 50/60Hz Export	0.84	1.26	1.68	2.10	185	278	370	463
<b>Frame Anti-sweat Heaters (on fan circuit)</b>								
120V 50/60Hz Standard	0.78	1.18	1.57	1.97	94	141	188	236
220V 50/60Hz Export	0.43	0.64	0.85	1.07	94	141	188	236
<b>Minimum Circuit Ampacity</b>								
120V 60Hz Standard	3.82	5.64	7.45	9.28				
120V 50Hz Standard	4.02	5.94	7.85	9.78				
220V 60Hz Export	2.13	3.09	4.05	5.02				
220V 50Hz Export	2.23	3.24	4.25	5.27				
120V 60Hz Energy Efficient	3.12	4.59	6.05	7.53				
220V 60Hz Energy Efficient	1.77	2.55	3.33	4.12				
<b>Maximum Over Current Protection 120V</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>				
<b>Maximum Over Current Protection 220V</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>				
<b>Defrost</b>								
Drain Heaters (120V)	0.63	1.25	2.00	2.50	75	150	240	300
(Export: 220V 50 hz)	0.39	0.76	1.22	1.53	84	168	269	336
<b>208V 1Ø Electric Defrost</b>								
(Export: 220V 50 hz)	6.72	10.08	13.46	16.82	1400	2100	2800	3500
	7.11	10.66	14.24	17.79	1564	2345	3133	3914
<b>Standard Vertical Lighting*</b>	<b>2Dr</b>	<b>3Dr</b>	<b>4Dr</b>	<b>5Dr</b>	<b>2Dr</b>	<b>3Dr</b>	<b>4Dr</b>	<b>5Dr</b>
Hussmann EcoShine™ (24VDC)	0.45	0.68	0.90	1.13	54	81	108	135
<b>Optional LED Lighting (24VDC)</b>								
<b>Facade Lamps</b>	0.79	1.17	1.54	1.92	19	28	37	46
<b>Gooseneck Lamps</b> (2 per merchandiser)	4.17	4.17	4.17	NA**	100	100	100	NA**
<b>Dry Goods Lamps</b> (both sides, 10 per side)	1.50	1.50	1.50	NA**	36	36	36	NA**

\* Innovator or Innovator II.

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

**Product Data (Refrigerated Area Only)**

<i>Recommended Usable Cube</i> <sup>1</sup> (Cu Ft/Dr)	23.46 ft <sup>3</sup> /Dr (0.66 m <sup>3</sup> /Dr)
<i>AHRI Total Display Area</i> <sup>2</sup> (Sq Ft/Dr)	13.31 ft <sup>2</sup> /Dr (1.24 m <sup>2</sup> /Dr)
<i>Shelf Area</i> <sup>3</sup> (Sq Ft/Dr)	29.32 ft <sup>2</sup> /Dr (2.72 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)**

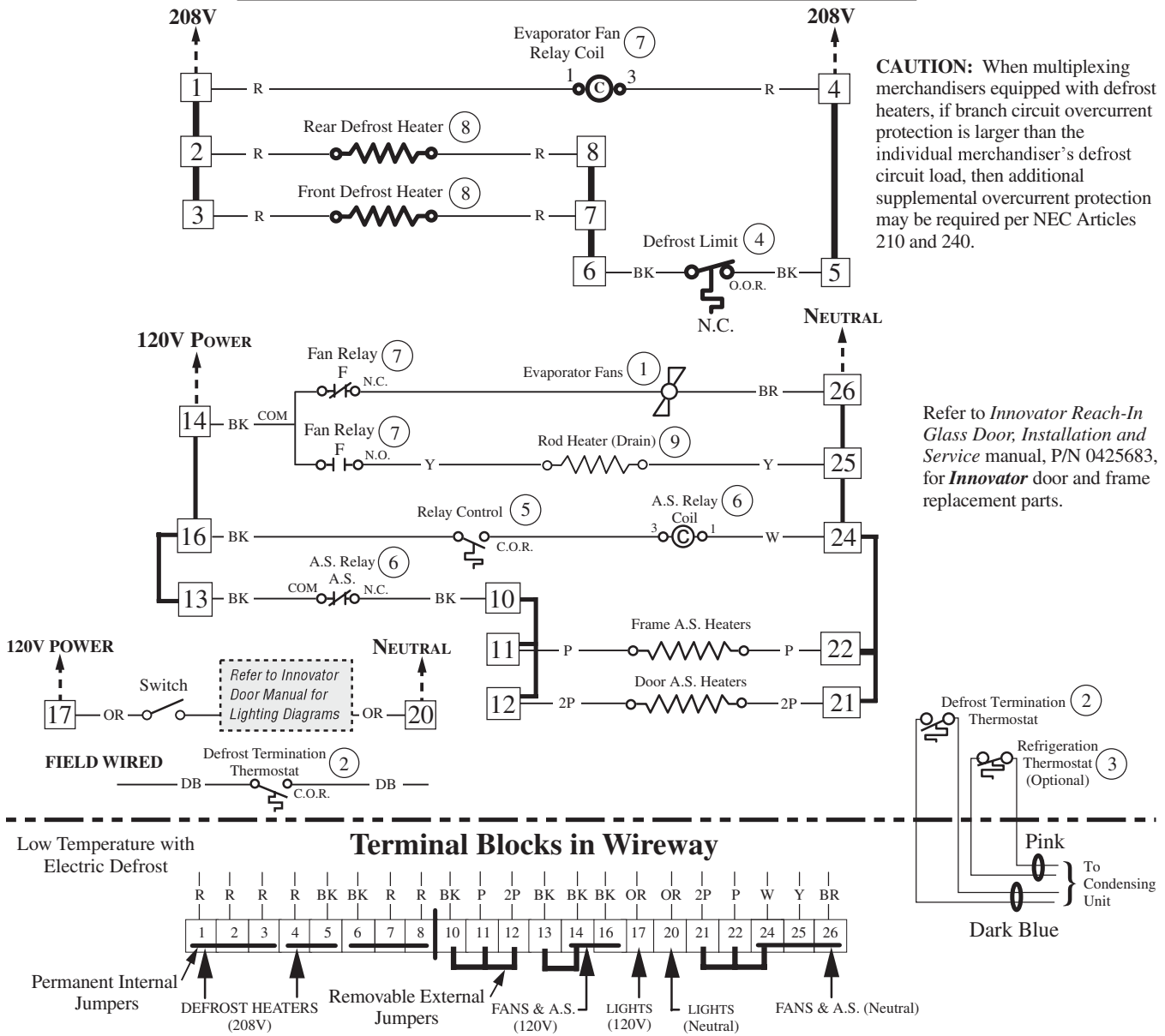
<i>TOTAL Gross Usable Cube (Volume for 2 DG per merchandiser)</i>	10.33 ft <sup>3</sup> / (0.29 m <sup>3</sup> )
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<b>ESTIMATED SHIPPING WEIGHT<sup>4</sup></b>					
	<i>2 Dr</i>	<i>3 Dr</i>	<i>4 Dr</i>	<i>5 Dr</i>	<i>Solid End (each)</i>
<b>Standard LifeLine Premier Merchandiser (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1027 (466)	1340 (608)	1655 (751)	1949 (884)	70 (32)
<b>Standard LifeLine Premier Merchandiser (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1037 (470)	1355 (615)	1675 (760)	1974 (895)	75 (36)
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1206 (547)	1519 (689)	1834 (832)	2128 (965)	N/A
<b>LifeLine Premier Merchandiser with Two (2) Bump Out Partitions (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1229 (557)	1547 (702)	1867 (847)	2166 (982)	N/A
<b>LifeLine Premier Merchandiser with Two (2) Dry Goods Sections, Four (2) Partitions (12-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1507 (684)	1820 (826)	2135 (968)	NA	NA
<b>LifeLine Premier Merchandiser with Two (2) Dry Goods Sections, Four (2) Partitions (18-Inch Facade, no Arch)</b>					
<b>lb (kg)</b>	1537 (697)	1855 (841)	2175 (987)	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>	1546 (701)	1859 (843)	2174 (986)	NA	N/A
<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>	1579 (716)	1897 (860)	2217 (1006)	NA	N/A
Add 10 lb (5 kg) for Arch					
<sup>4</sup> Actual weights will vary according to optional kits included.					

# Fan and Heater Circuits - Electric Defrost (standard)

## Low 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.)**



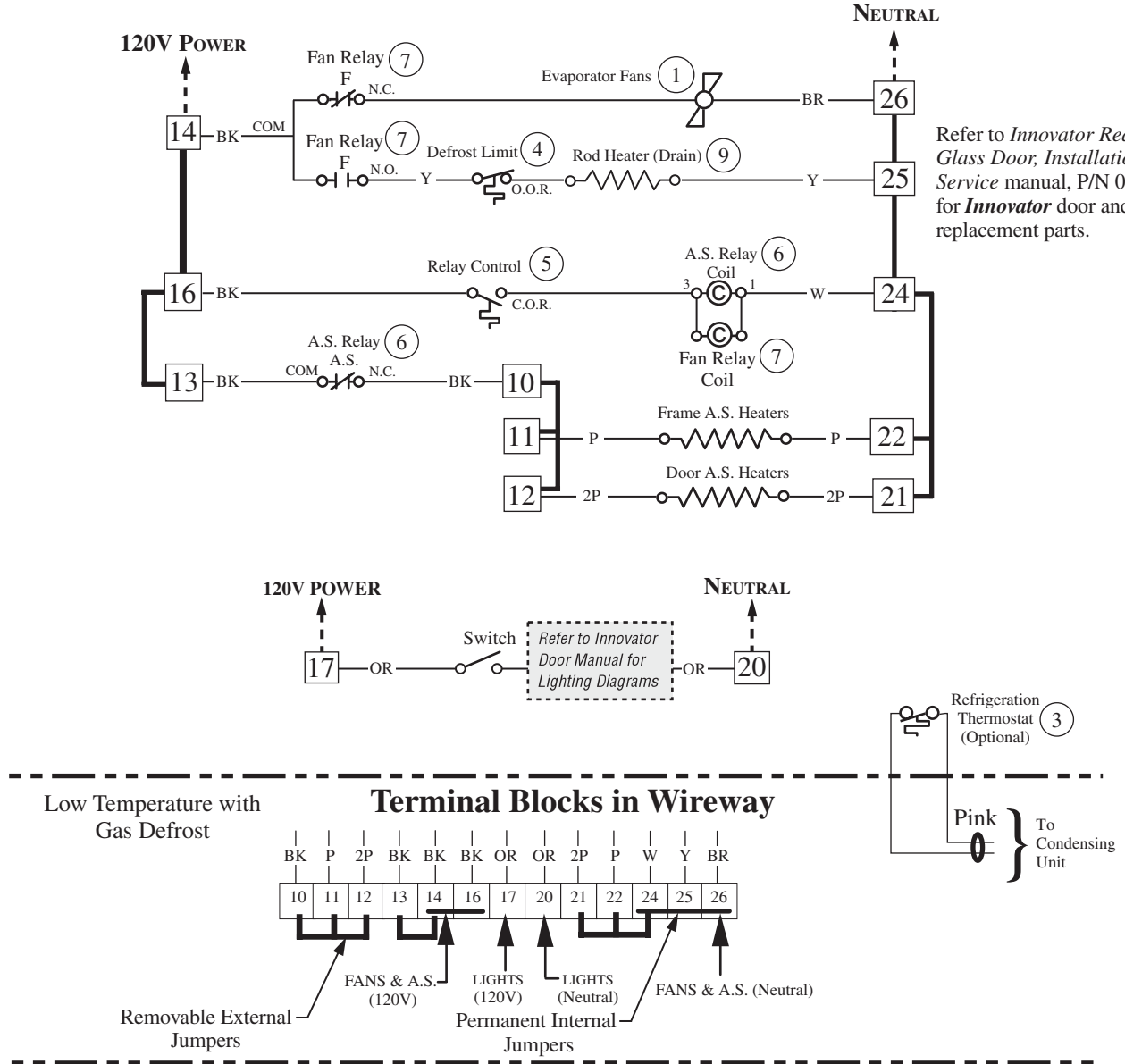
### Electric Defrost Sequence - Low Temperature

1. Power from the defrost contactor energizes Defrost Heaters and 208V Evaporator Fan Relay Coil (7). Relay Contacts open the fan circuit and energizes the Drain Pan Heater.
2. If the Defrost Heater raises internal air temperature above 90°F, the Defrost Limit Thermostat (4) will open.
3. Temperature rise of the evaporator closes the Relay Control Thermostat (5) at about 35°F, energizing 120V A.S. Relay Coil (6). This relay's contacts open the Frame and Door Heater Circuits.
4. When Defrost Termination Thermostat ends defrost period, the defrost contactor opens the Defrost Heater and Evaporator Fan Relay Coil Circuits. The Drain Pan Heater goes off and fans are on.
5. Temperature fall of the evaporator opens the Relay Control Thermostat (5) at about 20°F, de-energizing 120V A.S. Relay Coil (6). A.S. Relay Contacts close the Frame and Door Heater Circuits.



# Fan and Heater Circuits - Gas Defrost (optional) Low Temperature

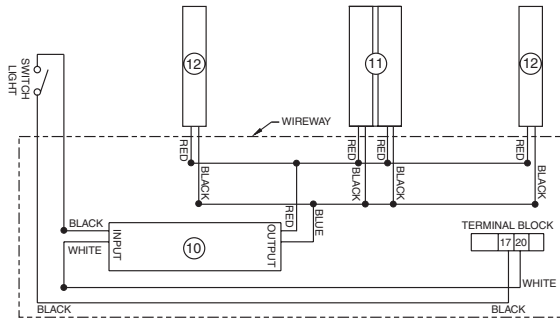
CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS  
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**THESE ARE MARKER COLORS (WIRE MAY VARY.)**



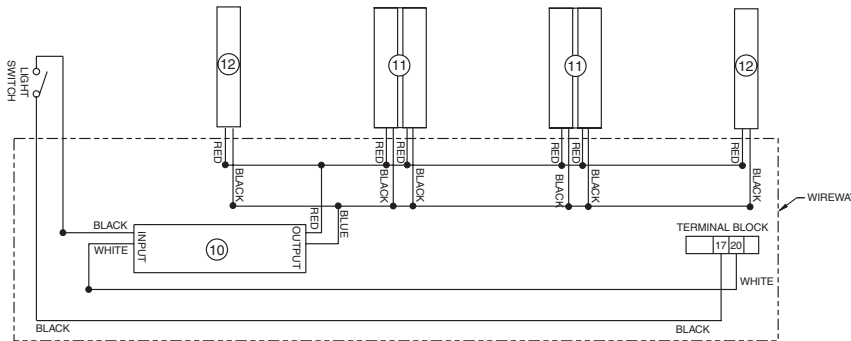
## Gas Defrost Sequence - Low Temperature

1. Defrost vapor enters evaporator causing a rise in temperature. At about 35°F the Control Relay Thermostat (5) closes the A.S. Relay Coil (6) and Fan Relay Coil (7) circuit. The Relay opens the Fan, Door Heater, and Frame Heater circuits, while energizing the Drain Pan Heater (9).
2. If the Drain Pan Heater (9) raises internal air temperature above 90°F, the Heater Limit Thermostat (4) will open.
3. When the defrost timer ends a defrost period, the evaporator temperature will start to fall. At about 20°F, the Relay Control Thermostat will open, de-energizing the A.S. Relay Coil (6) and Fan Relay Coil (7). The A.S. and Fan Relays will open the Drain Pan Heater circuits, and will close the Fan, Door Heater, and Frame Heater circuits.

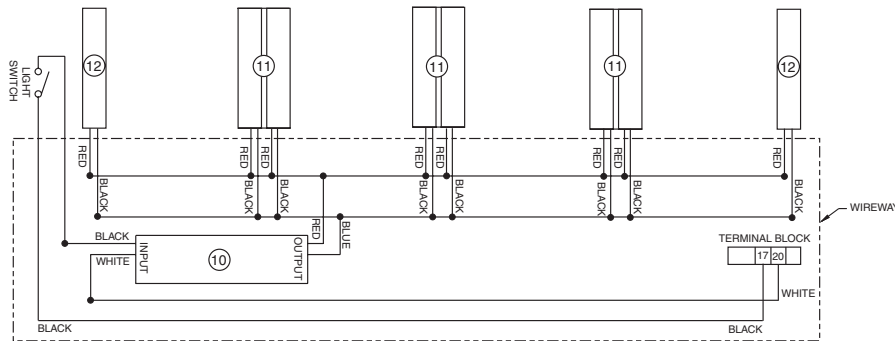
**Standard  
Vertical  
Lighting  
Husmann  
EcoShine™  
LED  
Fixtures**



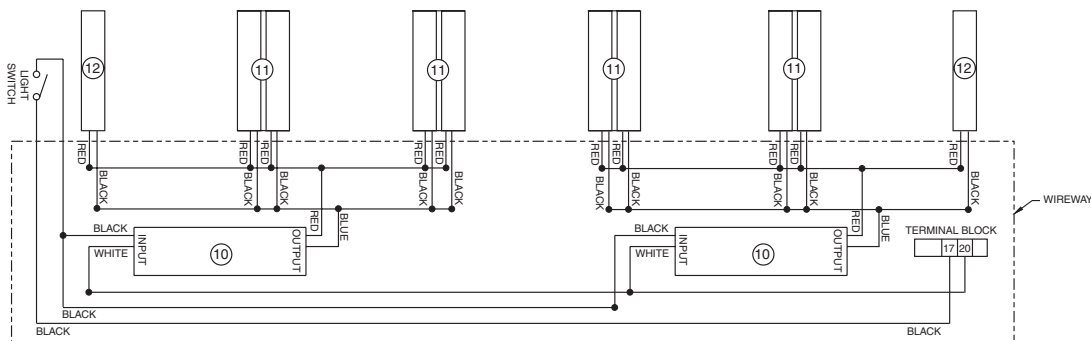
2 DOOR LED LIGHT WIRING DIAGRAM



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  $\perp$  = FIELD GROUND  $\text{||||}$  = CASE GROUND

**Optional Lighting Circuits**

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

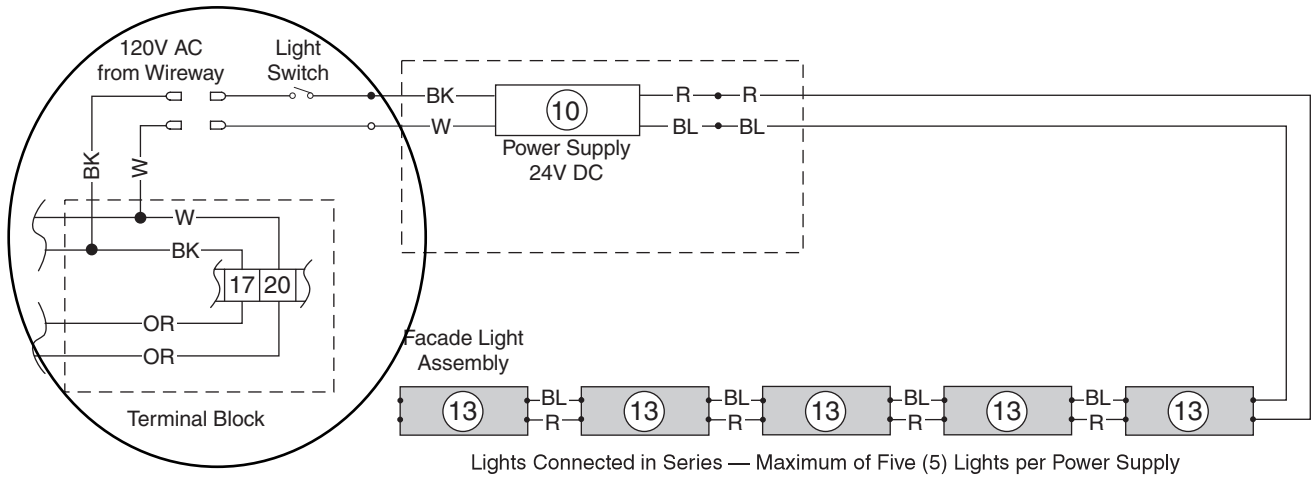
R = Red P = Purple 2P = Purple (2 Bands)

DB = Dark Blue BK = Black BL = Blue

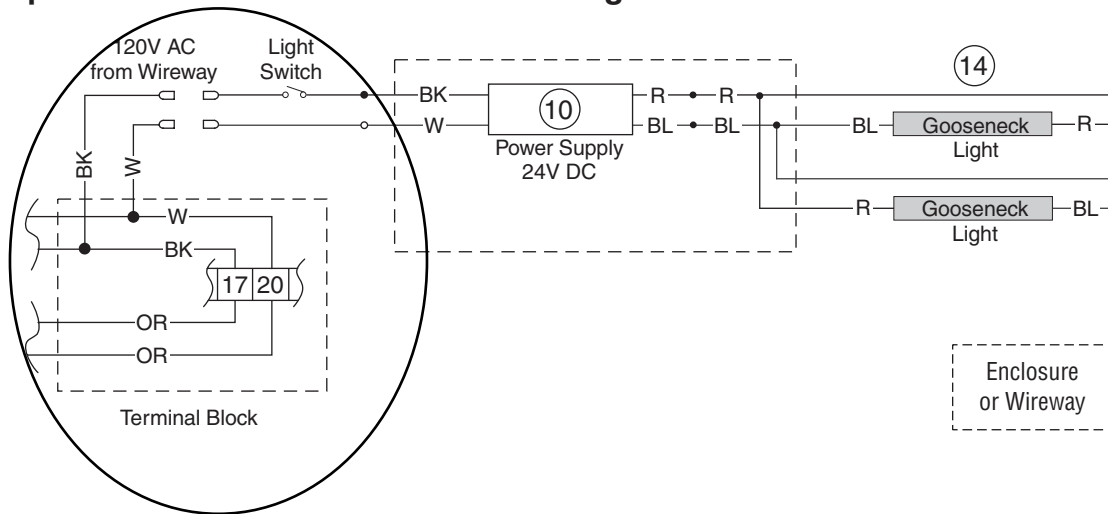
BR = Brown Y = Yellow OR = Orange W = White

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

**Optional External Facade LED Wiring**



**Optional External Gooseneck LED Wiring**



**WARNING**

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

● = 120V POWER    ○ = 120V NEUTRAL    ⊥ = FIELD GROUND    ≡ = CASE GROUND

# LifeLine Premier RL

With INNOVATOR Doors  
Frozen Food & Ice Cream

## Optional Lighting Circuits

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

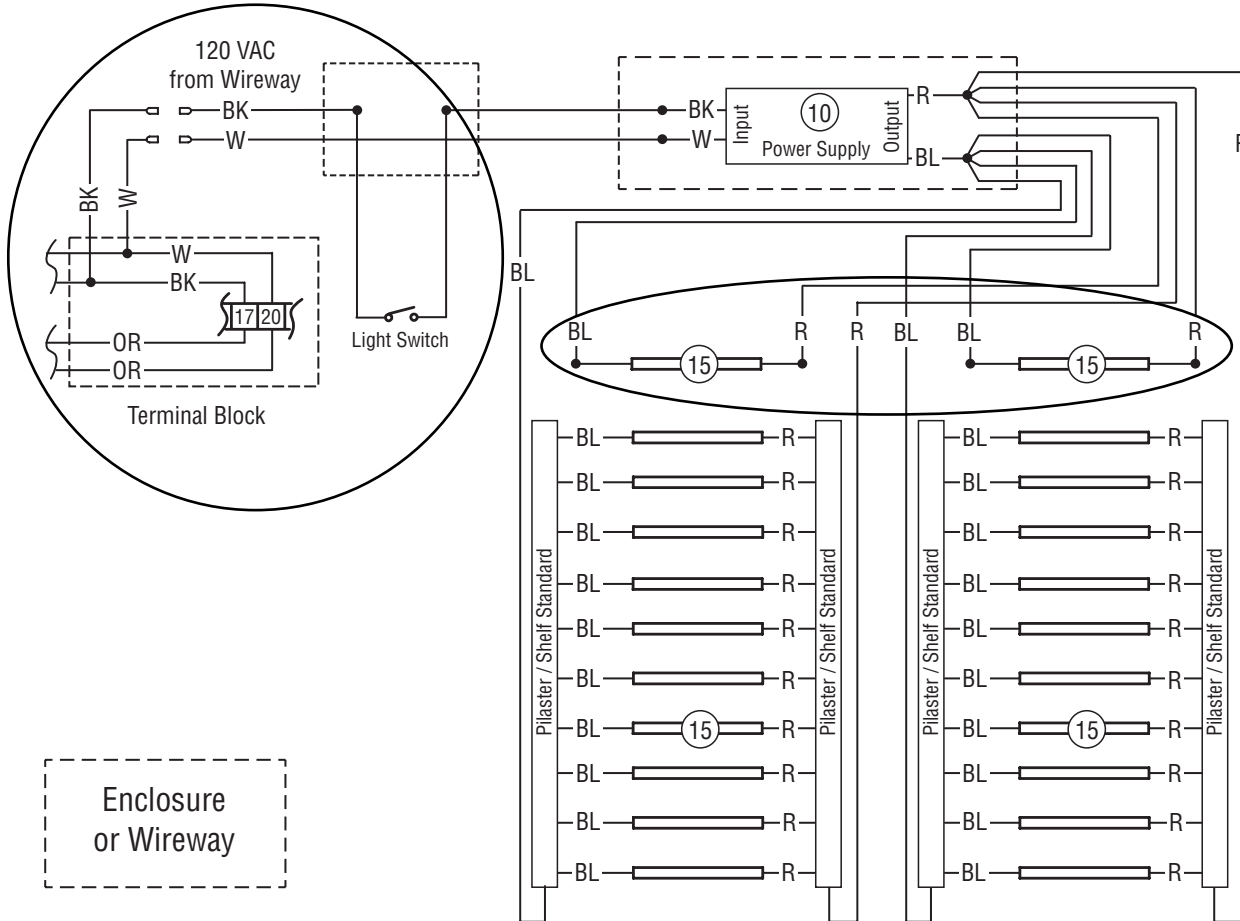
R = Red P = Purple 2P = Purple (2 Bands)

DB = Dark Blue BK = Black BL = Blue

BR = Brown Y = Yellow OR = Orange W = White

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

### Optional External Dry Goods LED Wiring



Shelf Lamps (up to 10 per end)

### WARNING

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

● = 120V POWER

○ = 120V NEUTRAL

⊥ = FIELD GROUND

⏏ = CASE GROUND