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Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
<b>FAN ASSEMBLIES AND THERMOSTATS</b>				<b>HEATERS</b>			
A.	<b>6W Fan Assembly</b>		(1)	D.		Canopy Anti-Sweat Heater	(4)
	0058698	Fan Motor, Evaporator			NA	4 ft	
	0142780	Fan Blade			0109417	6 ft	
		embossing toward motor			0109417	8 ft	
					0109418	12 ft	
B.	0311588	Standard Non-adjustable Defrost Thermostat	(2)	<b>LAMPS AND BALLASTS</b>			
C.	0137880	Optional Adjustable Refrigeration Thermostat	(3)	E.		Ballast, Electronic	(5)
					0376409	2 lamps	
					0376410	3 lamps	
				F.		Fluorescent Lamp	(6)
						<i>Replace with like fixtures</i>	

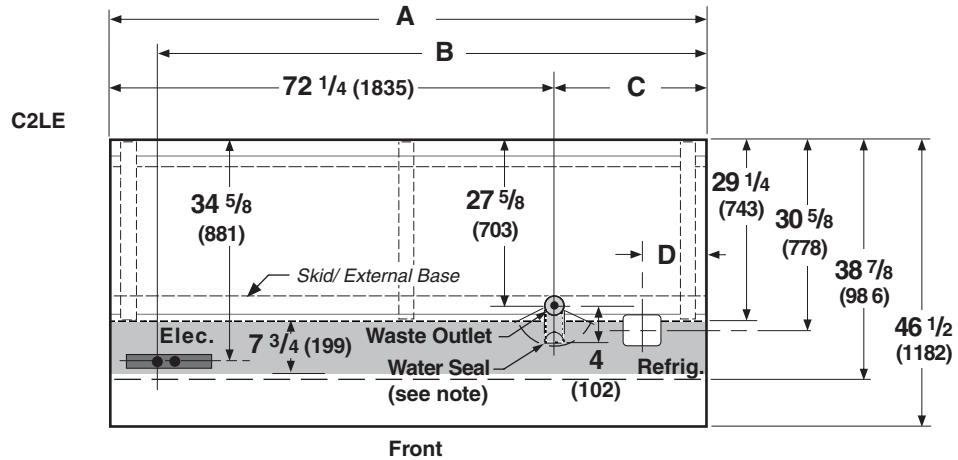
**Note: Changed items have been underlined.**

# Engineering Plan Views





Dimensions shown as inches and (mm).

## Dairy / Delicatessen Precut & Packaged Produce

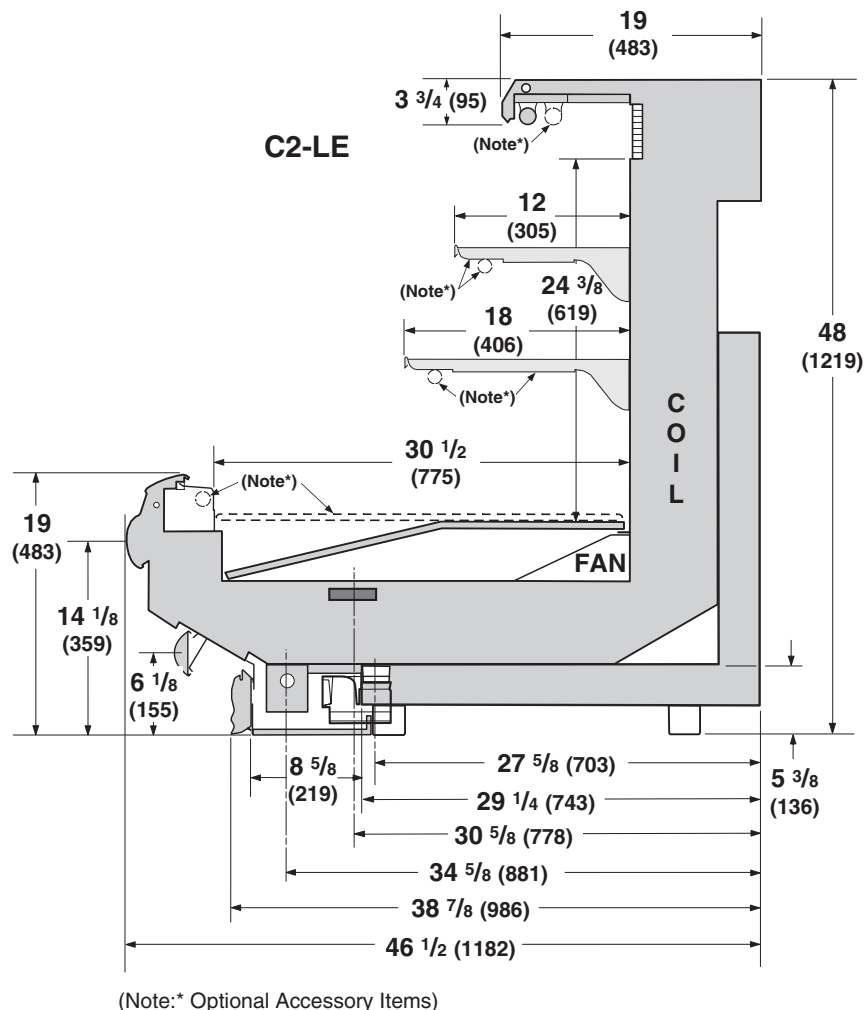
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Front

	4 ft	6 ft	8 ft	12 ft
<b>General</b>				
(A) Case Length <i>(without ends or partitions)</i> <i>(Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)</i>	48 1/4 (1226)	72 3/8 (1838)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case				
back to front <i>(includes bumper)</i>	46 1/2 (1182)	46 1/2 (1182)	46 1/2 (1182)	46 1/2 (1182)
Back of case to front of splashguard	38 7/8 (986)	38 7/8 (986)	38 7/8 (986)	38 7/8 (986)
Back of case to O/S edge of front skid rail	29 1/4 (743)	29 1/4 (743)	29 1/4 (743)	29 1/4 (743)
Width of skid rail	4 1/2 (114)	4 1/2 (114)	4 1/2 (114)	4 1/2 (114)
RH end of case to outside edge of external support	5 1/2 (140)	5 1/2 (140)	5 1/2 (140)	5 1/2 (140)
Distance between edges of external and center supports	NA	31 1/8 (790)	40 5/8 (1032)	40 5/8 (1032)
Distance between edges of center supports	41 1/4 (1048)	NA	NA	44 (1118)
Stub-up area between front skid rail and splashguard	7 3/4 (199)	7 3/4 (199)	7 3/4 (199)	7 3/4 (199)
<b>Electrical Service</b>  <i>(Electrical Field Wiring connection point)</i>				
(B) RH End of case to center of farthest knockout	38 1/4 (972)	64 3/8 (1635)	88 3/8 (2245)	136 1/2 (3467)
Back O/S of case to center of knockout	34 5/8 (881)	34 5/8 (881)	34 5/8 (881)	34 5/8 (881)
Length of electrical raceway	16 1/8 (410)	34 1/2 (876)	35 5/8 (903)	35 5/8 (903)
<b>Waste Outlet</b> 				
(C) RH End of case to the center of waste outlet	24 1/8 (613)	24 1/8 (613)	24 1/8 (613)	72 1/4 (1835)
LH End of case to the center of waste outlet	24 1/8 (613)	48 1/4 (1226)	72 1/4 (1835)	72 1/4 (1835)
<b>Water Seal</b> 				
Edge of water seal to center of waste outlet	4 (102)	4 (102)	4 (102)	4 (102)
Outside diameter of the drip pipe	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
<i>Note: Water seal outlet must clear front skid rail.</i>				
<b>Refrigeration Outlet</b> 				
Back of case to center of refrigeration outlet	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)
(D) RH end of case to center of refrigeration outlet	9 (230)	9 (230)	9 (230)	9 (230)

Dimensions shown as inches and (mm).

**NSF Certification**

These merchandisers are manufactured to meet ANSI /National Sanitation Foundation (NSF®) Standard #7 requirements.

## Impact **C2-LE**

### Dairy / Delicatessen

### Precut & Packaged Produce

**REFRIGERATION DATA**

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

	<b>C2-LE</b>
<b>Discharge Air (°F)</b>	27
<b>Evaporator (°F)</b>	21
<b>Unit Sizing (°F)</b>	19

<i>Btu/hr/ft*</i>	<b>C2-LE</b>
<b>Parallel</b>	1185
<b>Conventional</b>	1250

\*For all refrigeration equipment other than Hussmann, use conventional Btu values.

**DEFROST DATA**

	<b>C2-LE</b>
<b>Frequency (hr)</b>	6
<b>Defrost Water (lb/ft/day)</b>	6
(± 15% based on case configuration and product loading).	

<i>OFFTIME</i>	<b>C2-LE</b>
<b>Temp Term (°F)</b>	48°F
<b>Failsafe (minutes)</b>	30

**ELECTRIC OR GAS** Not Recommended

**Standard Defrost Thermostat**

Close on rise: close 48°F — open 33°F

**CONVENTIONAL CONTROLS****Low Pressure Backup Control**

	<b>C2-LE</b>
<b>CI/CO**</b>	17°F / 7°F

**Indoor Unit Only, Pressure Defrost**

**Termination\*\*** 48°F

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

**PHYSICAL DATA**

Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

**Estimated Charge (lb)\*\*\***

<b>4 ft</b>	1.3
<b>6 ft</b>	1.8
<b>8 ft</b>	2.3
<b>12 ft</b>	3.3

\*\*\*This is an average for all refrigerant types.

Actual refrigerant charge may vary by approximately half a pound.

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## Electrical Data

			4 ft	6 ft	8 ft	12 ft				
Number of Fans			1	2	2	3				
			Amperes				Watts			
			4 ft	6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft
<b>Evaporator Fan</b>										
120V	60Hz	Standard	0.51	1.00	1.00	1.50	38	78	78	117
120V	50Hz	Standard	0.55	1.10	1.10	1.65	42	84	84	126
230V	60Hz	Export	0.25	0.50	0.50	0.75	40	80	80	120
230V	50Hz	Export	0.28	0.56	0.56	0.84	44	88	88	132
120V	60Hz	Energy Efficient	0.26	0.52	0.52	0.78	18	36	36	54
230V	60Hz	Energy Efficient	NA							
<b>Canopy Anti-sweat Heaters</b>			NA	0.75	0.75	1.00	45	90	90	120
<b>Minimum Circuit Ampacity</b>										
120V	60Hz	Standard	0.71	1.95	1.95	2.70				
120V	50Hz	Standard	0.75	2.05	2.05	2.85				
230V	60Hz	Export	0.45	1.45	1.45	1.95				
230V	50Hz	Export	0.48	1.51	1.51	2.04				
120V	60Hz	Energy Efficient	0.46	1.47	1.47	1.98				
230V	60Hz	Energy Efficient	NA							
<b>Maximum Over Current Protection 120V</b>			<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>				
Maximum Over Current Protection 230V			15	15	15	15				
<b>Standard Lighting</b>										
1 Row Canopy			0.26	0.51	0.51	0.77	30	59	59	85
<b>Optional Lighting</b>										
Additional 1 Row Canopy			0.26	0.51	0.51	0.77	30	59	59	85
Additional 2 Row Canopy			0.51	1.02	1.02	1.54	59	118	118	170
1 Row Rail Light			0.26	0.51	0.51	0.77	30	59	59	85
1 Row Ledge Light			0.26	0.51	0.51	0.77	30	59	59	85
<b>Optional Shelf Lighting</b>										
1 Row Shelf Receptacle			0.26	0.51	0.51	0.77	30	59	59	85
2 Row Shelf Receptacle			0.51	1.02	1.02	1.53	59	118	118	177

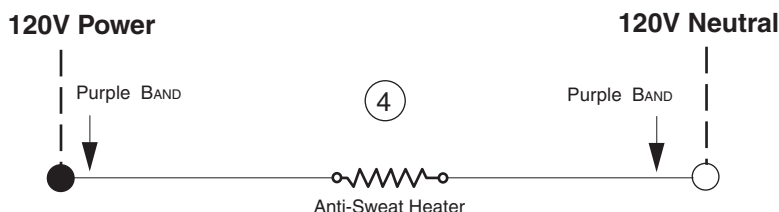
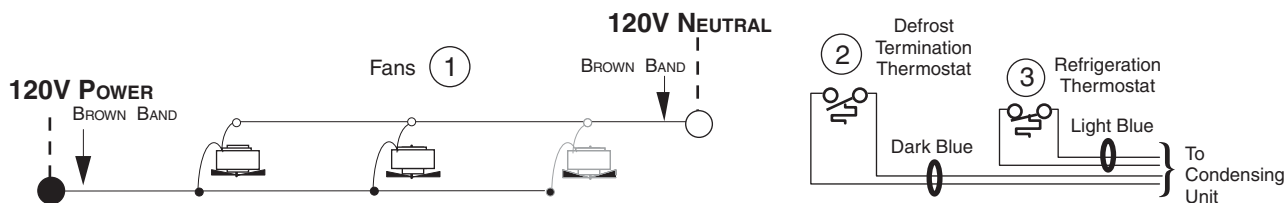
115V Lighting Circuit Total = Standard Lighting + Total Optional Lighting + Optional Shelf Lighting

230V Lighting Circuit Total = Multiply 115V Lighting Circuit Total by 0.52

## 1, 2 & 3 Fans

4 ft — 1 Fan  
6 ft — 2 Fans  
8 ft — 2 Fans  
12 ft — 3 Fans

### Fan Wiring Offtime Defrost

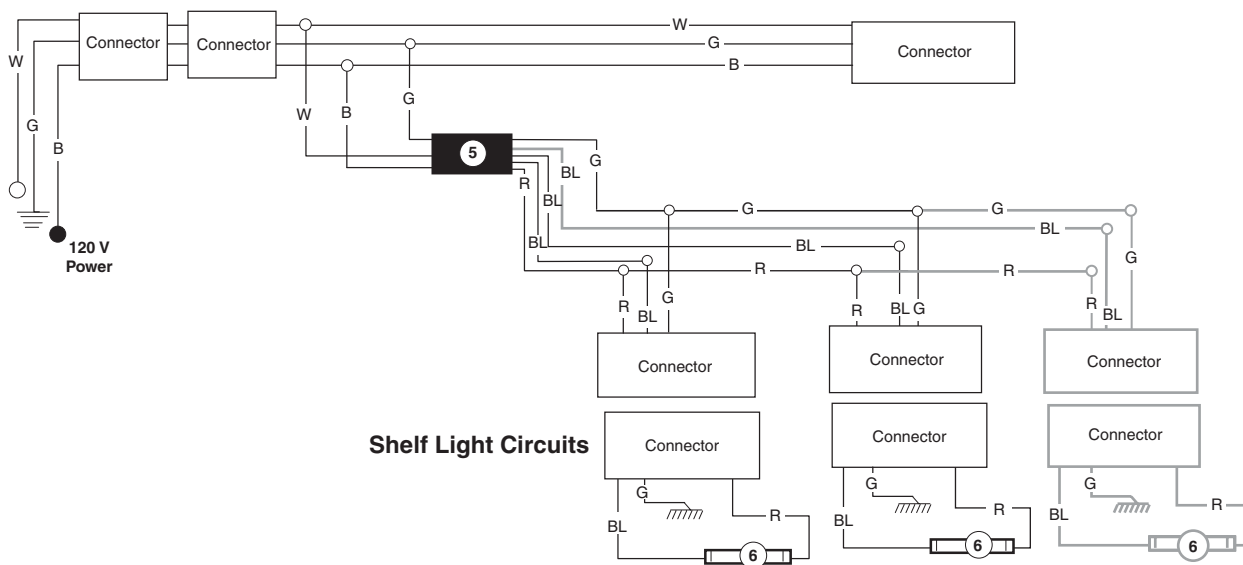


### Canopy Anti-Sweat Heater

## Optional Shelf Harness and Light Circuits for One Row of Shelves

### Shelf Lighting

#### Shelf Harness



### WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

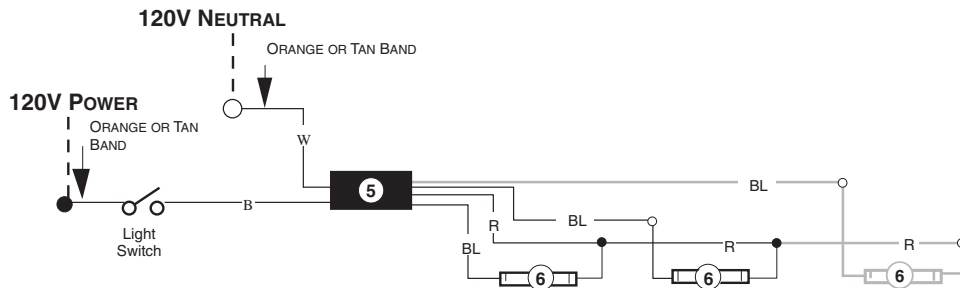
Grayed components in 12 foot models only.

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

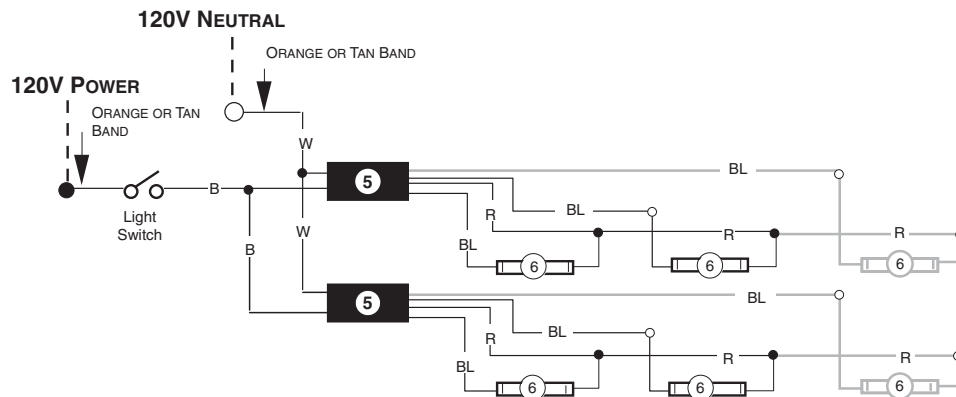
● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡ = Case GROUND

# Light Circuits

## Standard Lighting 1 Row Canopy or Optional 1 Row Rail



## Optional Lighting 2 Rows Canopy



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● = 120V POWER ○ = 120V NEUTRAL

## SHELF CONFIGURATION

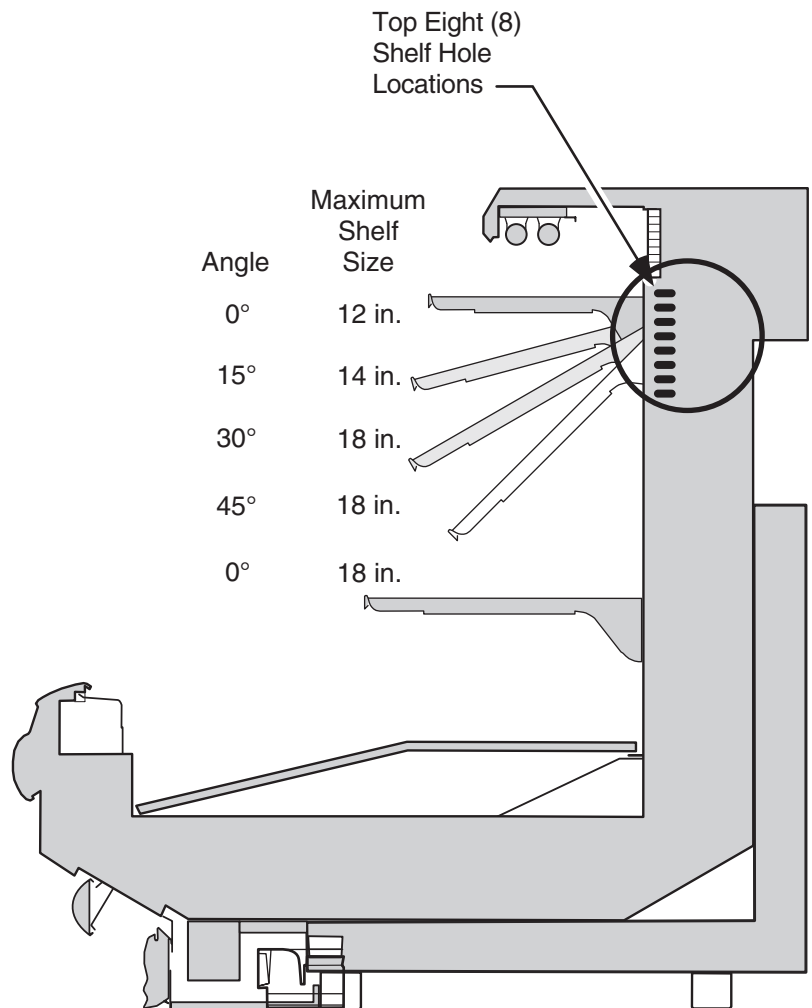
This merchandiser is designed for one or two shelves.

The depth of the shelf used in the top eight (8) shelf hole locations is critical to case performance.

If a shelf is placed in one of the top eight (8) locations it must comply with the angle/depth requirements listed below.

<b>Shelf Angle</b>	<b>Maximum Shelf Depth</b>
0 °	12 in.
15 °	14 in. or less
30 °	18 in. or less
45 °	18 in. or less

**NOTE:** Shelves placed in the lower positions may be up to 18 in. deep when positioned at a 0 ° angle.



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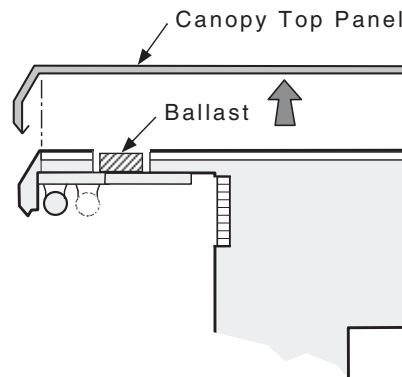
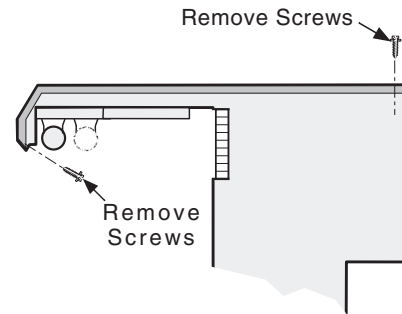
## CANOPY AND SHELF LAMP BALLAST

The ballast for the canopy and shelf lamps is located behind the canopy on the left-hand end (when facing case) of the merchandiser.

To access the ballast:

1. Remove screws at bottom edge of canopy and rear of top panel.
2. Remove the one piece canopy top panel by moving panel forward slightly to clear flange in front then lifting up.
3. Service or replace ballasts as required.
4. Reassemble items as they were originally installed.

**NOTE:** Rail lamp ballast is located behind the lower front panel.



## CANOPY ANTI-SWEAT HEATER

The canopy anti-sweat heater location is shown below. Connections are in the Electrical wireway.

