

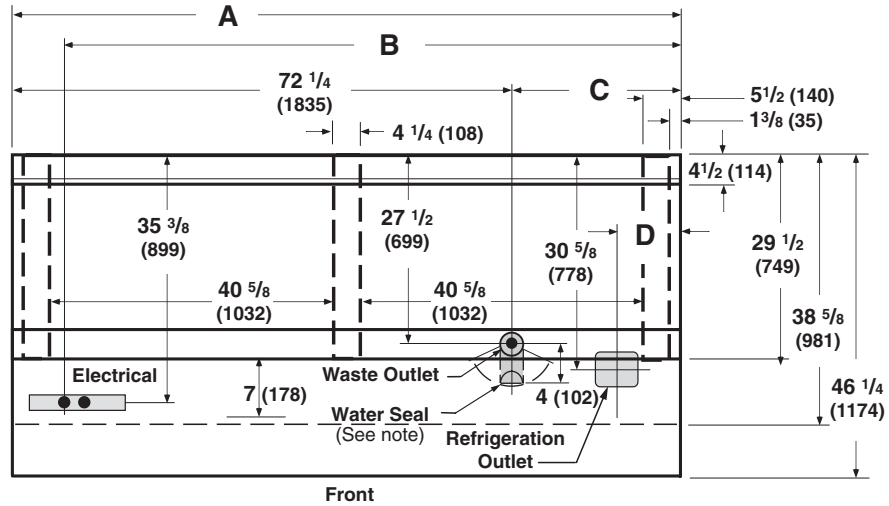
Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
<b>FAN ASSEMBLIES AND THERMOSTATS</b>				<b>LAMPS AND BALLASTS</b>			
A.	<u>9W Fan Assembly</u>		(1)	D.	0428648	Ballast, Electronic <b>2 lamps</b>	(4)
	0047000	Fan Motor, Evaporator		D.	0428649	Ballast, Electronic <b>3 lamps</b>	(4)
	0315470	Fan Blade embossing toward motor		E.		Fluorescent Lamp <i>Replace with like fixtures</i>	(5)
B.	0411744	Standard Non-adjustable Defrost Thermostat	(2)				
C.	0137880	Optional Adjustable Refrigeration Thermostat	(3)				

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

# Engineering Plan View

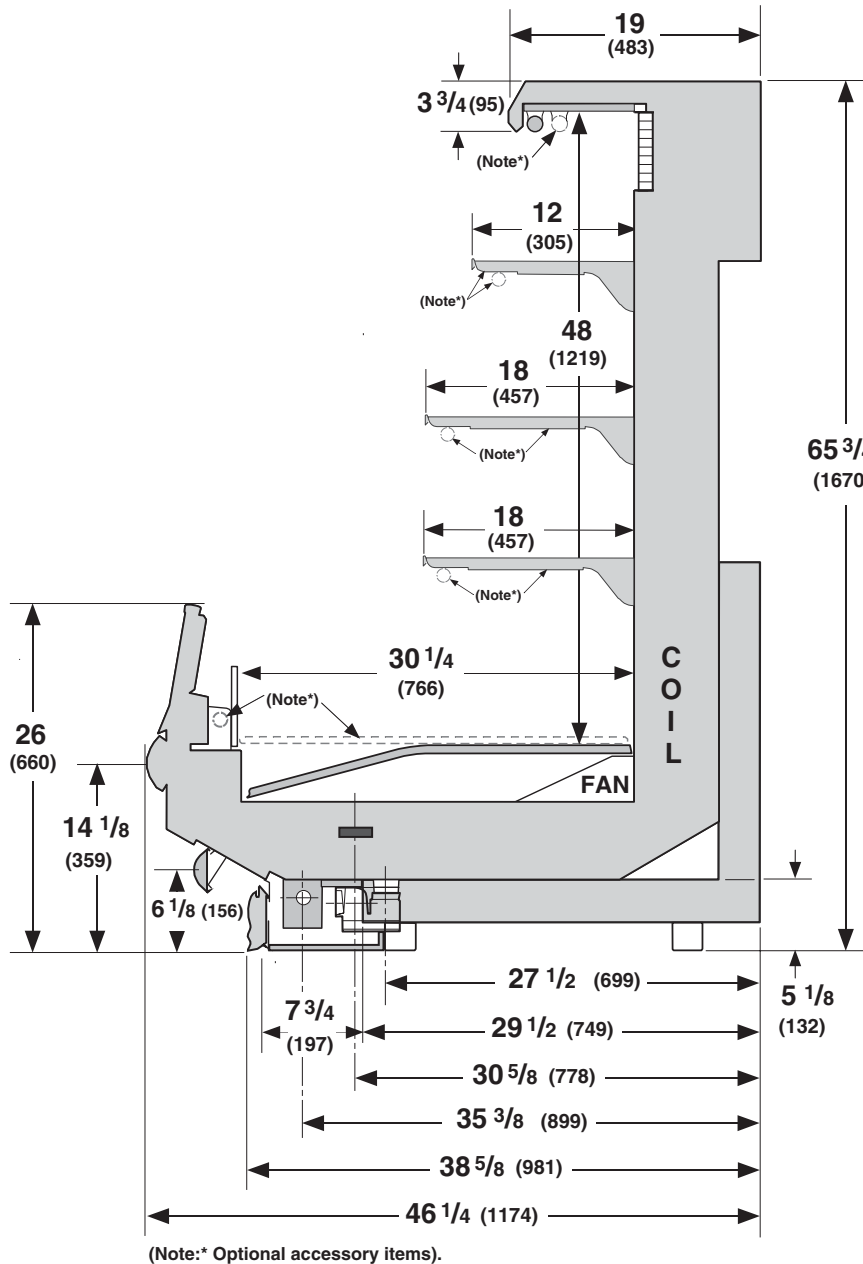
**Dairy/Delicatessen  
Precut & Packaged  
Produce**

01-2004



General	8 ft	12 ft
<b>(A)</b> Case Length ( <i>without ends or partitions</i> )	96 <sup>3</sup> / <sub>8</sub> (2448)	144 <sup>1</sup> / <sub>2</sub> (3670)
Maximum O/S dimension of case back to front ( <i>includes bumper</i> )	46 <sup>1</sup> / <sub>4</sub> (1174)	46 <sup>1</sup> / <sub>4</sub> (1174)
Back of case to front of splashguard	38 <sup>5</sup> / <sub>8</sub> (981)	38 <sup>5</sup> / <sub>8</sub> (981)
Back of case to O/S edge of front skid rail	29 <sup>1</sup> / <sub>2</sub> (749)	29 <sup>1</sup> / <sub>2</sub> (749)
Width of skid rail	4 <sup>1</sup> / <sub>2</sub> (114)	4 <sup>1</sup> / <sub>2</sub> (114)
RH end of case to outside edge of external support	5 <sup>1</sup> / <sub>2</sub> (140)	5 <sup>1</sup> / <sub>2</sub> (140)
Distance between edges of external support and center support	40 <sup>5</sup> / <sub>8</sub> (1032)	40 <sup>5</sup> / <sub>8</sub> (1032)
Distance between edges of center supports	NA	44 (1118)
Stub-up area between front skid rail and splashguard	7 (178)	7 (178)
<b>Electrical Service</b> ( <i>Electrical Field Wiring connection point</i> )		
<b>(B)</b> RH End of case to center of farthest knockout	88 <sup>3</sup> / <sub>8</sub> (2245)	136 <sup>1</sup> / <sub>2</sub> (3467)
Back of case to center of knockout	35 <sup>3</sup> / <sub>8</sub> (899)	35 <sup>3</sup> / <sub>8</sub> (899)
Length of electrical raceway	34 <sup>5</sup> / <sub>8</sub> (878)	34 <sup>5</sup> / <sub>8</sub> (878)
<b>Waste Outlet</b>		
<b>(C)</b> RH End of case to the center of waste outlet	24 <sup>1</sup> / <sub>8</sub> (613)	72 <sup>1</sup> / <sub>4</sub> (1835)
LH End of case to the center of waste outlet	72 <sup>1</sup> / <sub>4</sub> (1835)	72 <sup>1</sup> / <sub>4</sub> (1835)
Back O/S of case to center of waste outlet	27 <sup>1</sup> / <sub>2</sub> (699)	27 <sup>1</sup> / <sub>2</sub> (699)
<b>Water Seal</b>		
Edge of water seal to center of waste outlet	4 (102)	4 (102)
Outside diameter of the drip pipe	1 <sup>1</sup> / <sub>2</sub> (38)	1 <sup>1</sup> / <sub>2</sub> (38)
<i>NOTE: Water seal outlet must clear front skid rail; water seal rotation in forward direction only due to low base.</i>		
<b>Refrigeration Outlet</b>		
Back of case to center of refrigeration outlet	30 <sup>5</sup> / <sub>8</sub> (778)	30 <sup>5</sup> / <sub>8</sub> (778)
<b>(D)</b> RH end of case to center of refrigeration outlet	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 C3LGE**  
**Delicatessen/Dairy**  
**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>C3LGE</b>
<b>Discharge Air °F</b>	30
<b>Evaporator °F</b>	21
<b>Unit Sizing °F</b>	19
<b>Btu/hr/ft**</b>	<b>C3LGE</b>
<b>Parallel</b>	1280
<b>Conventional</b>	1360

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

**DEFROST DATA**

	<b>C3LGE</b>
<b>Frequency (hr)</b>	6
<b>Defrost Water (lb/ft/day)</b>	6

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

<b>OFFTIME</b>	<b>C3LGE</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**  
**C/I/CO\*\*** 14/4°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  
**Liquid Line (in.)** 3/8  
**Suction Line (in.)** 7/8

**Estimated Charge (lbs)\*\*\***

	<b>C3LGE</b>
<b>8 ft</b>	2.7
<b>12 ft</b>	3.9

\*\*\*This is an average for all refrigerant types actual refrigerant charge may vary by approximately half a pound.

**Length (in.) Added to Lineup**

**by Each End or Insulated Partition** 1 1/2

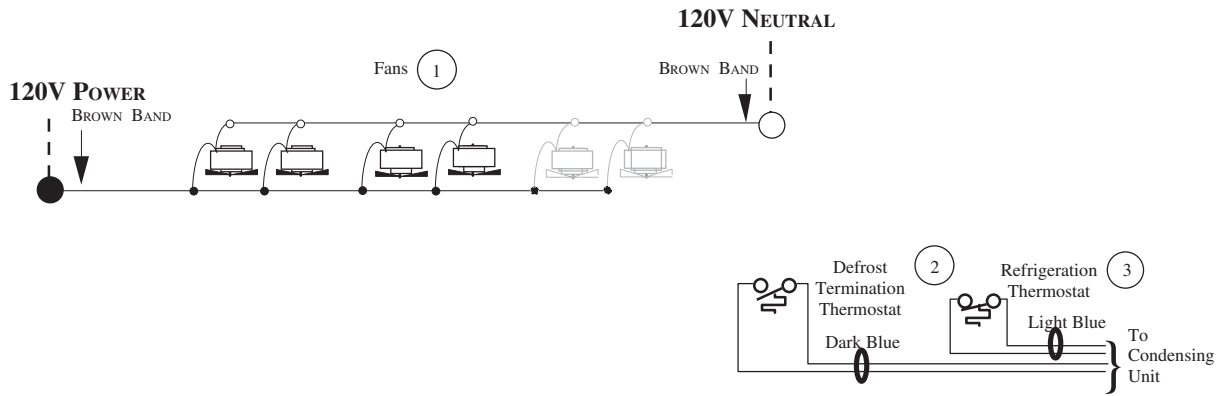
<b>Impact C3LGE</b> <b>Delicatessen/Dairy</b> <b>Precut &amp; Packaged Produce</b>
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**Electrical Data**

	<b>8 Ft</b>	<b>12 Ft</b>		
<b>Number of Fans — 9W</b>	<b>2</b>	<b>3</b>		
	<b>Amperes</b>		<b>Watts</b>	
<b>Merchandiser</b>	<b>8 Ft</b>	<b>12 Ft</b>	<b>8 Ft</b>	<b>12 Ft</b>
<b>Fans</b>				
Standard (120V 60Hz)	1.40	2.10	100	150
Energy Efficient (120V 60Hz)	0.76	1.14	50	75
Export (230V 50Hz)	0.76	1.14	114	171
<b>Constant on Anti-sweat Heaters</b>	NA			
<b>Cycling Anti-sweat Heaters</b>	NA			
<b>Minimum Circuit Ampacity</b>				
With Standard Fans (120V 60Hz)	1.60	2.30		
With Energy Efficient Fans (120V 60Hz)	0.96	1.34		
Export (230V 50Hz)	0.96	1.34		
<b>Maximum Over Current Protection 120V</b>	20	20		
<b>Maximum Over Current Protection 230V</b>	15	15		
<b>Supplemental Gas Heaters</b>	NA			
<b>208V 1Φ Electric Defrost</b>	NA			
<b>Standard Lighting</b>				
1 Row Canopy	0.51	0.77	59	85
<b>Optional Lighting</b>				
1 Row Canopy and 1 Rail	1.02	1.54	118	170
2 Rows Canopy	1.02	1.54	118	170
2 Rows Canopy and 1 Row Rail	1.53	2.31	177	255
<b>Optional Shelf Lighting</b>				
1 Row of Shelves	0.51	0.77	59	85
2 Rows of Shelves	1.02	1.54	118	170
3 Rows of Shelves	1.53	2.31	177	255

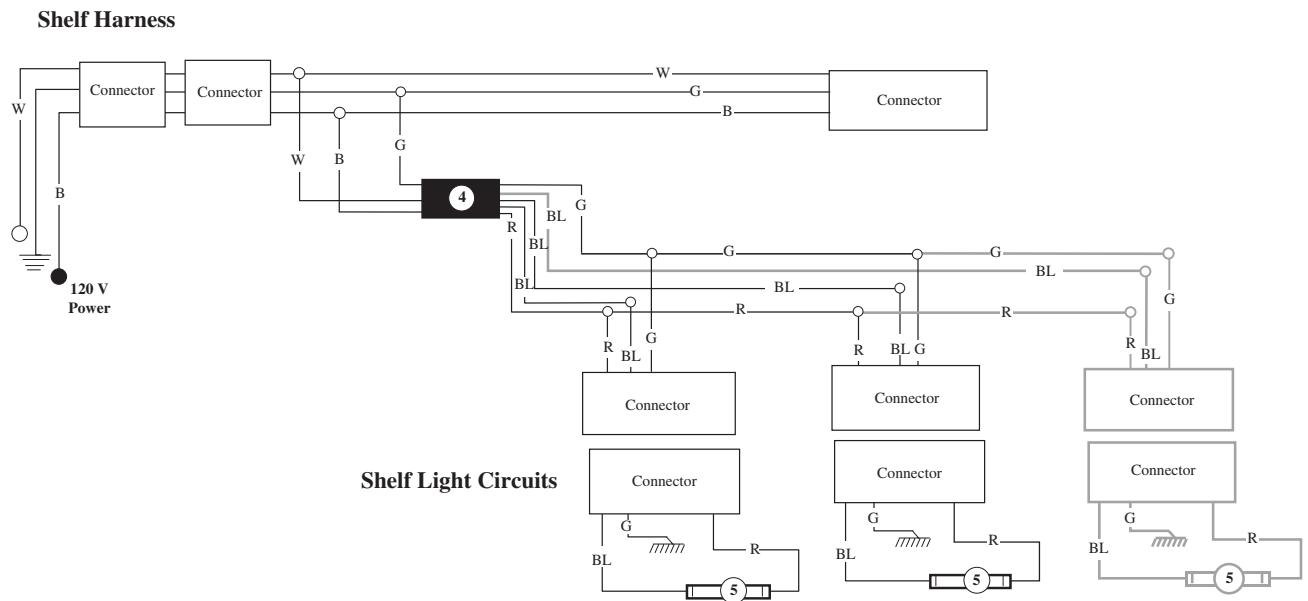
# Fan Wiring Offtime Defrost

## 4 & 6 Fans



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

# Shelf Lighting



### WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

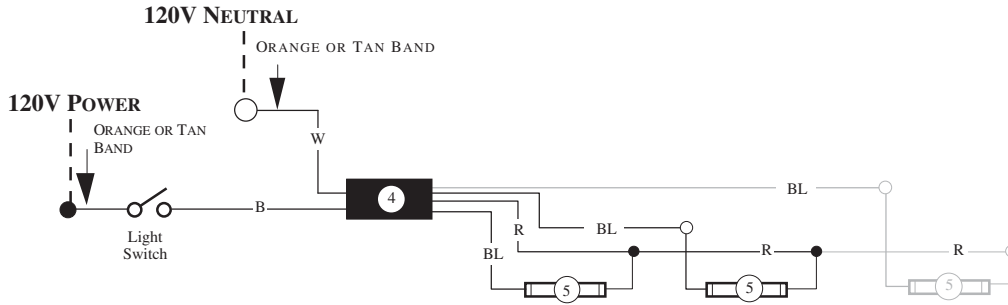
Grayed components in 12 foot models only.

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

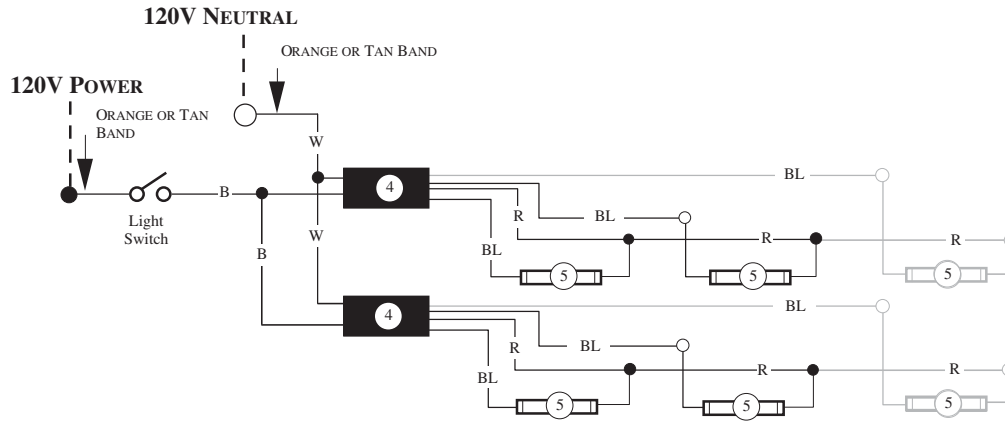
● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡≡ = Case GROUND

# 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 three (3) shelves.

The depth of the shelves used are critical to case performance.

The use of peg shelves is NOT recommended on C3LGE cases. Depth and angle requirements are listed below.

**Top Shelf**

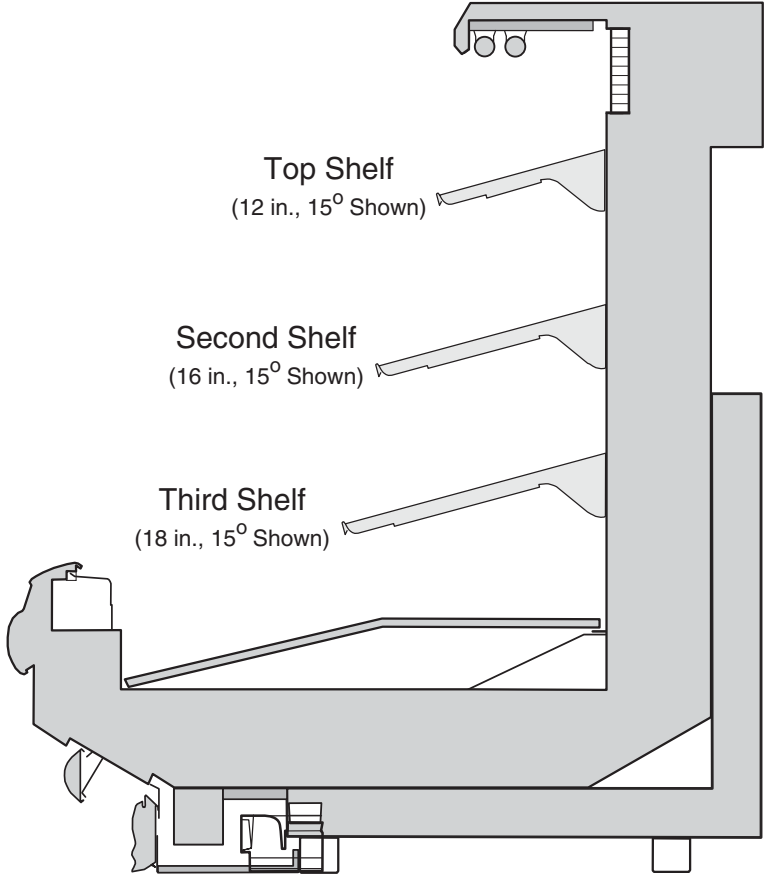
Shelf Depth	Shelf Angle
12 inches	0°,10°,15°,30°,45°
14 inches	30°,45°

**Second Shelf**

Shelf Depth	Shelf Angle
14 inches	0°,10°,15°,30°,45°
16 inches	30°,45°

**Third Shelf**

Shelf Depth	Shelf Angle
16 inches	0°,10°,15°,30°,45°
18 inches	30°,45°

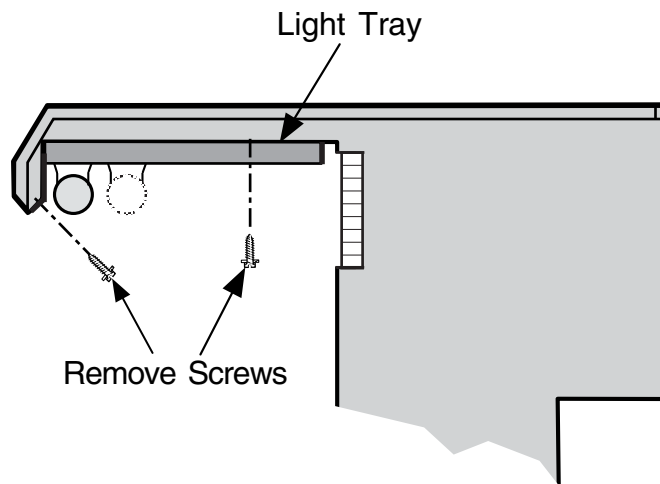


## REPLACING CANOPY AND SHELF LAMP BALLAST

The ballast for the canopy and shelf lamps are located above the light tray on the right-hand end (when facing case) of the merchandiser.

To access the ballast:

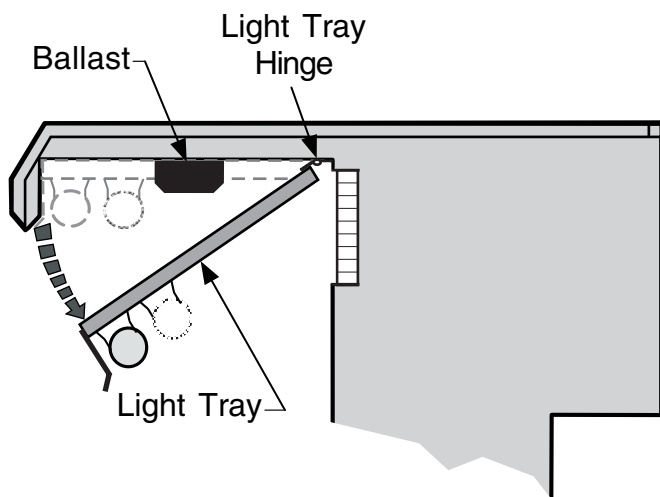
1. Remove screws from the front-lip of light tray flange covering the bottom edge of the canopy. Also remove screws located near the middle-rear of light tray.



3. Swing front of light channel down on it's rear hinge.

4. Service or replace ballasts as required.

5. Reassemble items as they were originally installed. Make sure that wires are not pinched by re-installed light tray.



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