


Back to index			EQUIPMENT INFORMATION SHEET				Notes and abbreviations			REFRIGERATION - MEDIUM TEMP.			Link to PDF file	
ITEM #	QTY		MODEL #	ITEM DESCRIPTION	MANUFACTURER	CONTRACTOR INFORMATION			REMARKS	UTILITY INFORMATION				
	EXT	NEW				I	F	C		ELECTRICAL	MECHANICAL: SUPPLY	MECHANICAL: WASTE		
RM62.1A-12CB			SMBT 12'	Service deli case with Tilt-Up Glass; exterior - Chelsea gray; interior - black;	Hussmann	RC	RC	RC	Each case to include: (1) scale stand. Poly shelves to run the full length on rear of case.	See Manuf. Specifications		FD		
										EQUIPMENT CELL INFORMATION				
										Date created:		5/24/2016		
										Date revised:				
										Cell library:		layout_refrigeration		
										Cell name(s):		See below		
Special CAD Instructions:										RM62.1A-HS-SMBT-12-CB				
ITEM NUMBER:										RM62.1A-12CB				

HUSSMANN®



SMBT

Excel Service Merchandiser with Tilt Up
Straight Glass and Blower Coil for Meat and Deli

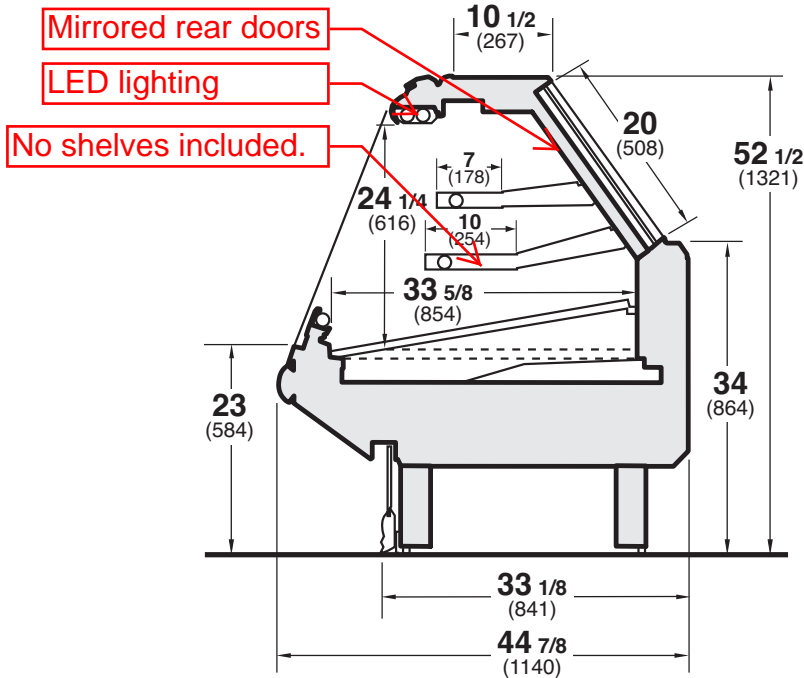
- NSF Certified

www.hussmann.com

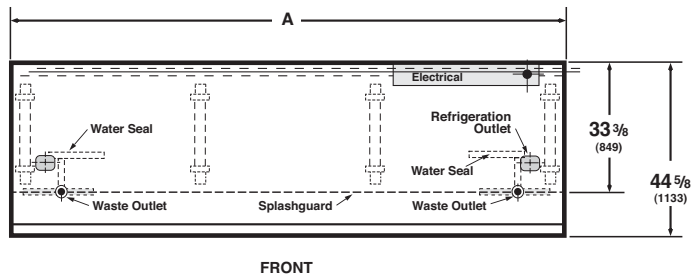
Husmann Excel Service Merchandiser with Straight Tilt Up Glass and Blower Coil for Meat and Deli Applications

SMBT - Straight Tilt Glass Case with Blower Coil

Available in 8' and 12' lengths. Contact your sales rep for information on possible availability of additional case lengths.



Plan View



Dimension	8 FT	12 FT
A	96 3/8 (2448)	144 1/2 (3670)

Notes:

Overall case length without ends or partitions.

Note

Use Husmann's technical data sheets to get precise dimensions for all store layout purposes.

Tilt Up Straight Glass.

Straight front glass tilts up for easy stocking and cleaning. 10" stainless flat non-movable top is standard. A large 20" rear door opening has an increased angle to improve reach and ergonomics.

Advanced Design.

The SMBT incorporates advanced features and benefits, including modular coils, superior energy efficiency, modular case design, durable bumper, factory pre-adjusted expansion valves, and seamless polystyrene "bathtub" bottoms for quick, easy cleaning.

Reduced Refrigerant, Fewer Leaks.

Patented Husmann modular coils require 50% to 60% less refrigerant. Also, all return bend solder joints have been eliminated, which greatly reduces the possibility of refrigerant leaks.

Options.

Options include mezzanine shelves, scale stands, thermometers, wrapping boards, and non-glare glass.

NSF Certified.

The SMBT has been NSF certified to ANSI/NSF standard 7.



Husmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.

NOTE: These merchandisers are designed for use in stores when temperature and humidity do not exceed 75°F and 55% R.H.

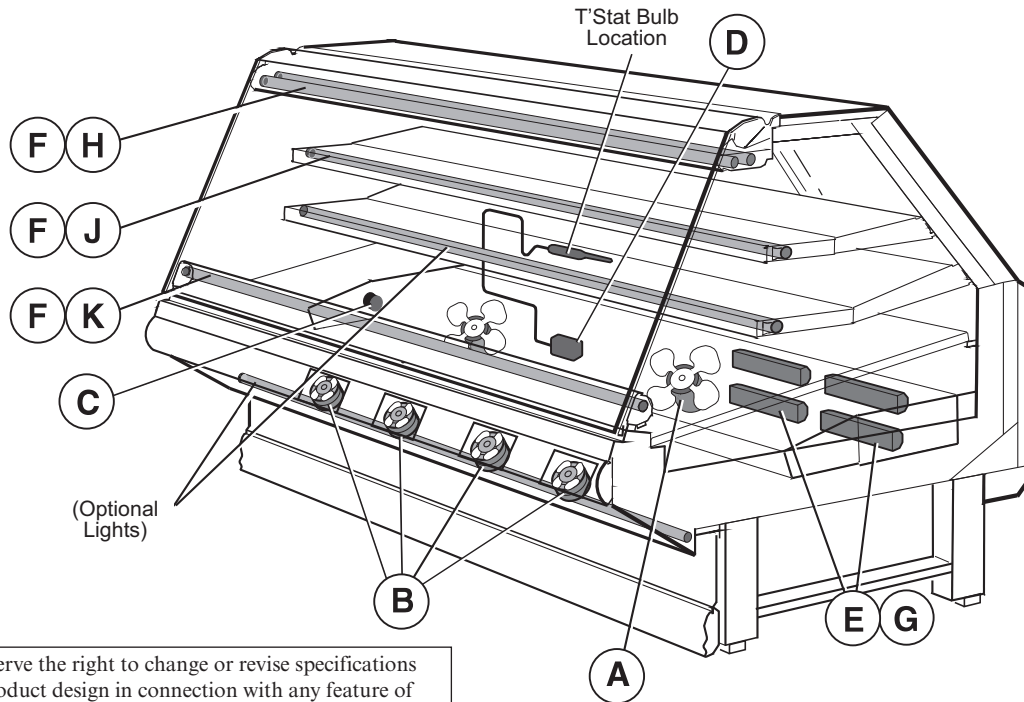
NOTE: We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions, or replacements for equipment previously sold or shipped.

For additional resources, contact your representative or visit www.husmann.com.

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Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES AND THERMOSTATS				LED FIXTURES AND POWER SUPPLY			
A.	0392457	Fan Motor, Evaporator - 120V	(1)	E.	0440215	Electronic Ballast (CONTINUED) 2 lamps 230V 50-60 Hz	(5)
	0409512	Fan Blade - 120V embossing toward motor			0428652	3 lamps 230V 50-60 Hz	
	0436517	Fan Motor, Evaporator - 230V			0385104	Ballast Transformer 230V 50-60 Hz, per ballast	
	0409513	Fan Blade - 230V embossing toward motor		F.		Fluorescent Lamp <i>Replace with like fixtures</i>	(6)
B.	0522287	Fan Motor, Ambient - 120V	(2)	LED FIXTURES AND POWER SUPPLY			
	0404552	Fan Motor, Ambient - 230V		G.	0501213	Power Supply	(7)
C.	0382028	Standard Non-adjustable Defrost Thermostat	(3)	H.		LED Canopy Fixture <i>Replace with like fixtures</i>	(8)
D.	0137880	Optional Adjustable Refrigeration Thermostat	(4)	J.		LED Shelf Fixture <i>Replace with like fixtures</i>	(9)
LAMPS AND BALLASTS				K.		LED Rail Fixture <i>Replace with like fixtures</i>	(10)
E.		Electronic Ballast	(5)				
	0355716	2 lamps 120V					
	0355398	3 lamps 120V					

NOTE: For LED lighting parts contact your Hussmann service representative at 1-800-922-1919. Please have your model and serial number available. Descriptions including size and color are at WWW.HUSSMANN.COM/SERVICEANDPARTS.

Note: Revision C adds optional EcoShine II LED lighting, pages 1, 4, 8 & 9. Other changes marked by bar, underline or circle.

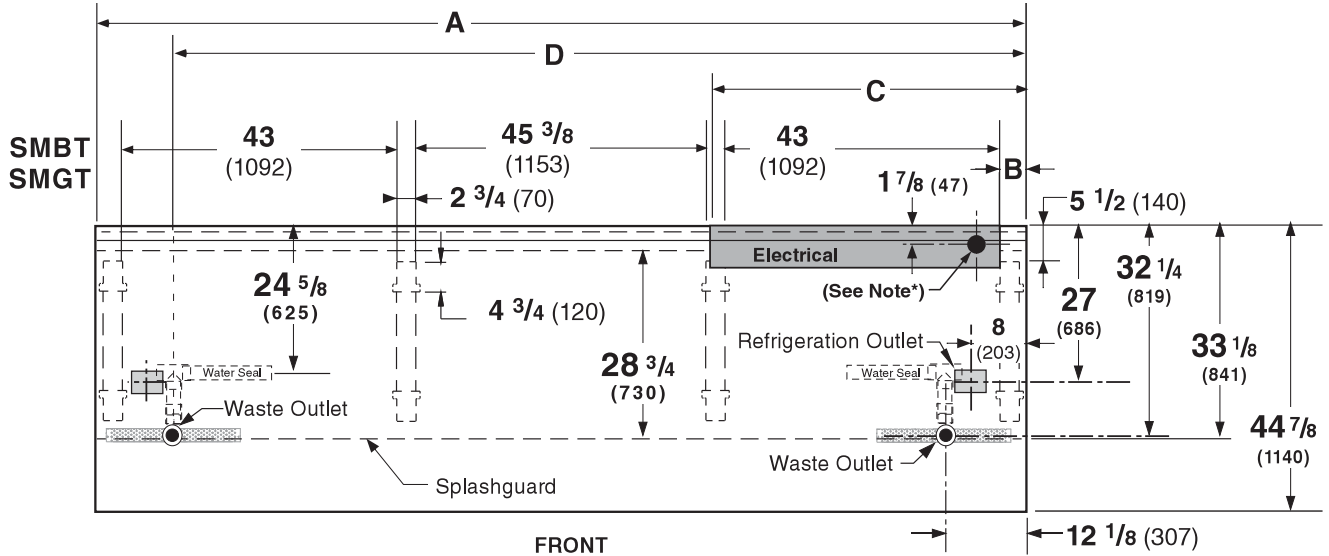
Engineering Plan Views

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

Meat & Delicatessen

Dimensions shown as in. and (mm).

05-2011



	4 ft	6 ft	8 ft	12 ft
General				
(A) Case Length	48 1/4 (1226)	72 1/4 (1835)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case back to front (Note: Includes bumper)	44 7/8 (1140)	44 7/8 (1140)	44 7/8 (1140)	44 7/8 (1140)
Back of case to front of splashguard	33 1/8 (841)	33 1/8 (841)	33 1/8 (841)	33 1/8 (841)
Center of rear legs to center of front legs	23 1/2 (598)	23 1/2 (598)	23 1/2 (598)	23 1/2 (598)
Each End and Partition adds 1 1/2 in. (38 mm) to the length of the lineup.				
Electrical Service				
(B) RH end of case to Electrical raceway right edge	3 7/8 (98)	3 7/8 (98)	3 7/8 (98)	3 7/8 (98)
(C) RH end of case to Electrical raceway left edge	41 3/8 (1051)	32 3/4 (831)	40 1/8 (1019)	44 1/2 (1131)
Back of case to center of knockout	1 7/8 (47)	1 7/8 (47)	1 7/8 (47)	1 7/8 (47)
* Electrical Field Wiring Connection Point				
Waste Outlet				
(D) RH End of case to the center of LH waste outlet	36 1/4 (921)	60 1/4 (1530)	84 3/8 (2143)	132 1/2 (3366)
RH End of case to the center of RH waste outlet	12 1/8 (307)	12 1/8 (307)	12 1/8 (307)	12 1/8 (307)
Back O/S of case to center of waste outlets	32 1/4 (819)	32 1/4 (819)	32 1/4 (819)	32 1/4 (819)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
** Field installed water seal outlets, tees, and connectors are shipped with the merchandiser.				
Refrigeration Outlet				
Back of case to center of refrigeration outlet	27 (686)	27 (686)	27 (686)	27 (686)
RH end of case to center of refrigeration outlet	8 (203)	8 (203)	8 (203)	8 (203)
Outside diameter of the liquid line	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Outside diameter of the suction line	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)

Flat Hinged Glass, Blower, 3 Display Level

DOE 2012 Energy Efficiency Compliant Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.



REFRIGERATION DATA

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

	SMBT
Discharge Air (°F)	24
Evaporator (°F)	18
Unit Sizing (°F)	16
Btulhr/ft	SMBT
Parallel	420
Conventional	450

DEFROST DATA

	SMBT
Frequency (hr)	12
Defrost Water (lb/ft/day)	0.20
<small>(± 15% based on case configuration and product loading).</small>	

OFFTIME	SMBT
Temp Term (°F)	43°
Failsafe (minutes)	90

ELECTRIC OR GAS Not Recommended

Standard Defrost Thermostat
Close on rise: close 43°F — open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control	SMBT
CI/CO (Temp °F)*	11°F/1°F
Indoor Unit Only, Pressure Defrost Termination (Temp °F)*	Not Recommended

*Use a Temperature Pressure Chart to determine PSIG conversions.

PHYSICAL DATA

Estimated Charge (lb)**

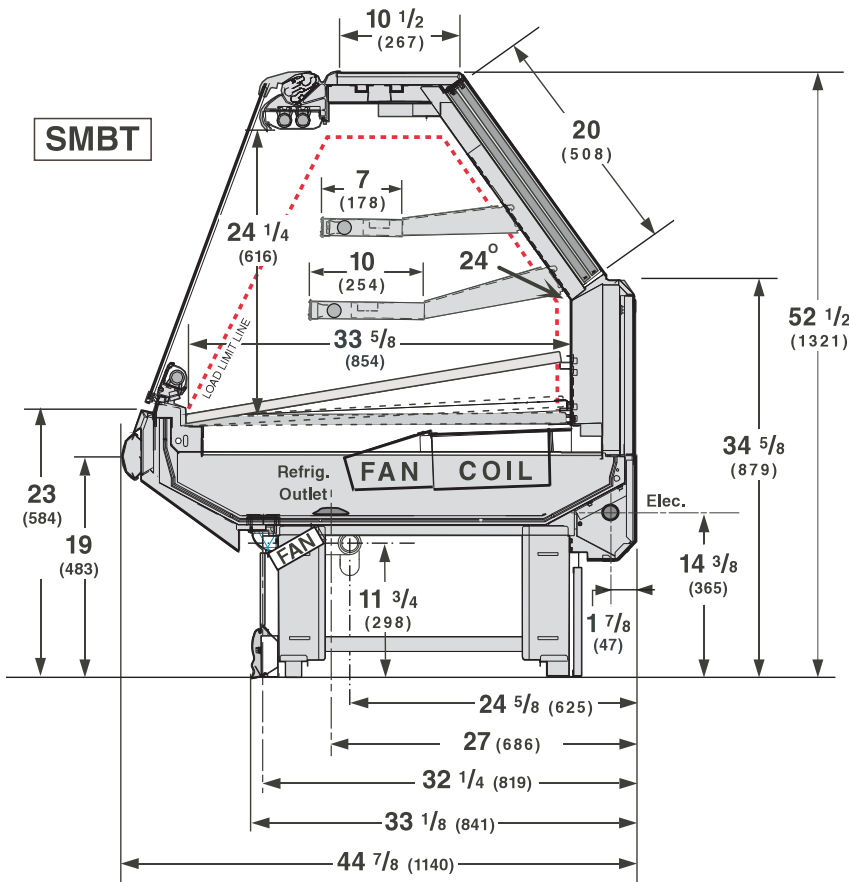
4 ft	0.75 lb	12 oz	0.35 kg
6 ft	1.0 lb	16 oz	0.5 kg
8 ft	1.5 lb	24 oz	0.7 kg
12 ft	2.0 lb	32 oz	0.9 kg

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

Length Added to Lineup by:

Each Plastic End w/ Bumper (in.)	3 1/2
Each End/Partition (in.)	1 1/2

Dimensions shown as in. and (mm).



NSF Certification

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

Excel SMT Meat & Delicatessen
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Electrical Data

Number of Fans	4 ft	6 ft	8 ft	12 ft
Refrigeration (120V 60hz) – 4W	1	2	2	3
Ambient Air Wipe – 4.5W	2	4	4	6
Export Refrigeration (230V 50 hz) – 4W	1	2	2	3
Export Ambient Air Wipe – 15W	2	4	4	6

	4 ft	Amperes			Watts			
		6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft
Merchandiser	4 ft	6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft
Evaporator Fans								
Standard (120V 60hz)	0.31	0.62	0.62	0.93	24	48	48	72
Export: 230V 50 hz	0.18	0.36	0.36	0.54	27	54	54	81
Ambient Air Wipe Fans								
Standard High Efficiency (120V 60hz)	0.2	0.4	0.4	0.6	9	18	18	27
Export: 230V 50 hz	0.3	0.6	0.6	0.9	50	100	100	150
Constant On Anti-sweat Heaters	NA	NA	NA	NA	NA	NA	NA	NA
Cycling Anti-sweat Heaters	NA	NA	NA	NA	NA	NA	NA	NA
Minimum Circuit Ampacity								
With Standard Fans (120V 60hz)	0.64	1.28	1.28	1.91				
With Export Fans (230V 50 hz)	0.6	1.2	1.2	1.83				
Maximum Over Circuit Protection 120V	20	20	20	20				
Electric Defrost Heaters (208V)	NA	NA	NA	NA	NA	NA	NA	NA
Gas Defrost Heaters (208V)	NA	NA	NA	NA	NA	NA	NA	NA

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2012 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

Standard Lighting (T8 Fluorescent)	4 ft	6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft
2 Row Canopy	0.49	0.80	0.98	1.42	58	92	116	170
1 Row Rail	0.26	0.40	0.49	0.71	30	46	59	85
Optional Lighting (T8 Fluorescent)								
1 Row Ledge	0.26	0.40	0.49	0.71	30	46	59	85
2 Row Shelves	0.49	0.80	0.98	1.42	58	92	116	170
Ecoshine II Plus Optional Front Canopy LED								
2 Row Canopy	0.17	0.26	0.34	0.51	20.5	30.7	40.9	61.4
Ecoshine II Plus Optional Shelf LED								
1 Row Shelves	0.09	0.13	0.17	0.26	10.2	15.3	20.5	30.7
2 Row Shelves	0.17	0.26	0.34	0.51	20.5	30.7	40.9	61.4
Ecoshine II Plus Optional Rail LED								
1 Row Rail	0.09	0.13	0.17	0.26	10.2	15.3	20.5	30.7

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

120V LED Lighting Circuit Total = Canopy Lighting + Shelf Lighting + Rail Lighting

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

Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft)	2.61 ft ³ /ft (0.24 m ³ /m)
<i>AHRI Total Display Area</i> ² (Sq Ft/Ft)	<u>3.34</u> ft ² /ft (<u>1.02</u> m ² /m)
<i>Shelf Area</i> ³ (Sq Ft/Ft)	4.22 ft ² /ft (1.29 m ² /m)

¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]
² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]
³ 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 one 7-inch shelf and one 10-inch shelf.

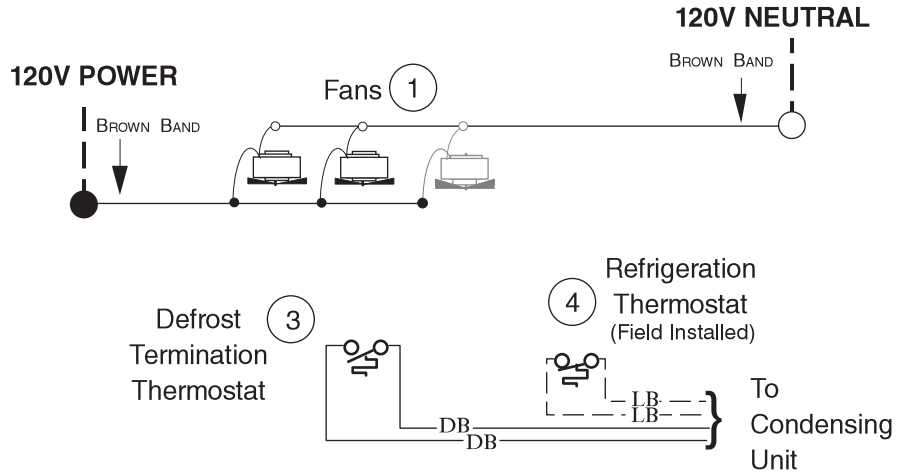
ESTIMATED SHIPPING WEIGHT ⁴						
Case					Solid End	Glass / Plastic End
	<i>4 ft</i>	<i>6 ft</i>	<i>8 ft</i>	<i>12 ft</i>	<i>(each)</i>	<i>(each)</i>
lb (kg)	700 (318)	800 (363)	900 (408)	1300 (590)	70 (32)	100 (45)

⁴ Actual weights will vary according to optional kits included.

Fan Wiring Offtime Defrost

4 ft case has 1 Fan
 6 ft case has 2 Fans
 8 ft case has 2 Fans
 12 ft case has 3 Fans

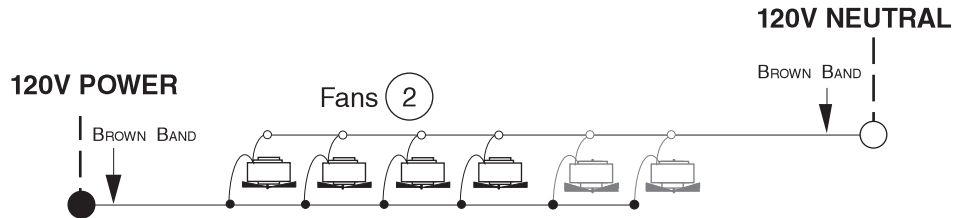
Fans



Ambient Fan Wiring Glass Air Wipe

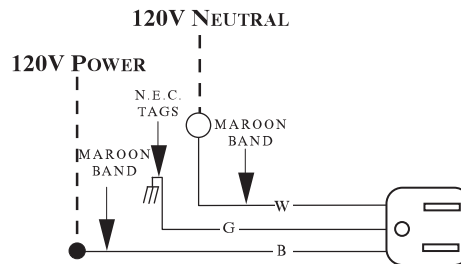
4 ft case has 2 Fan
 6 ft case has 3 Fans
 8 ft case has 4 Fans
 12 ft case has 6 Fans

Fans



Receptacles

Electric Service Receptacle



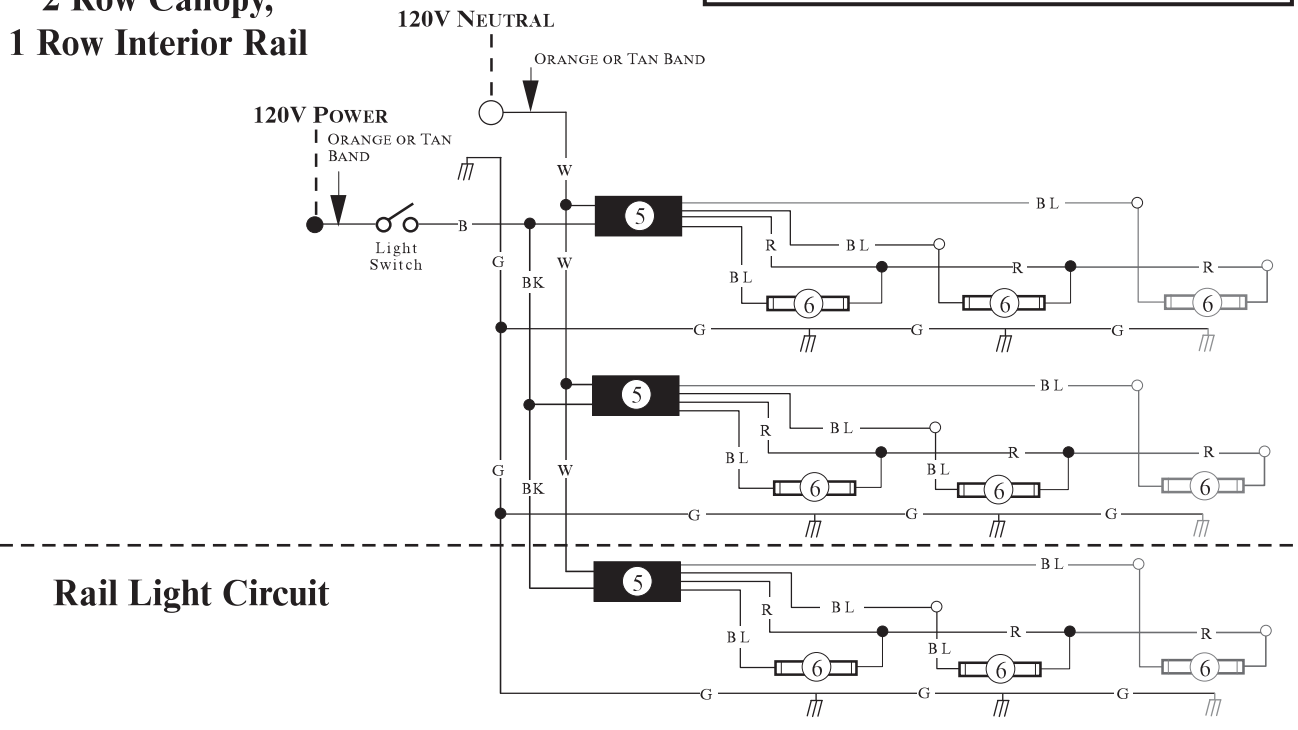
WARNING

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 G = Green BL = Blue LB = Light Blue DB = Dark Blue BK = Black W = White
 ● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡ = Case GROUND

**Standard Lighting
2 Row Canopy,
1 Row Interior Rail**

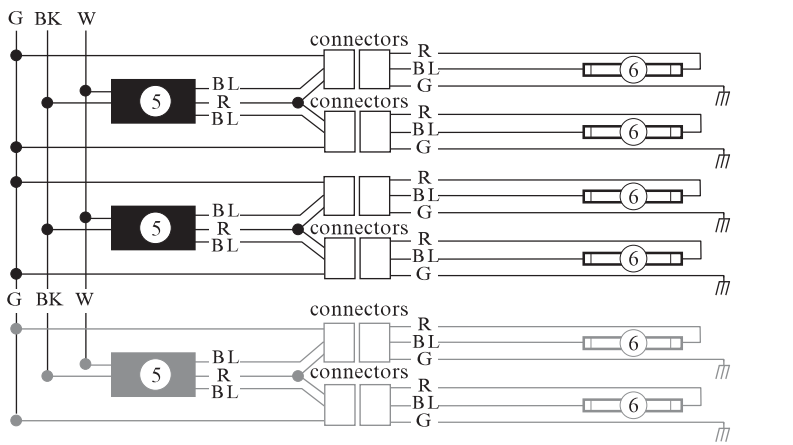
Fluorescent Light Circuits



Rail Light Circuit

Optional Ledge Light Circuit

Optional Shelf Harness and Light Circuits



WARNING

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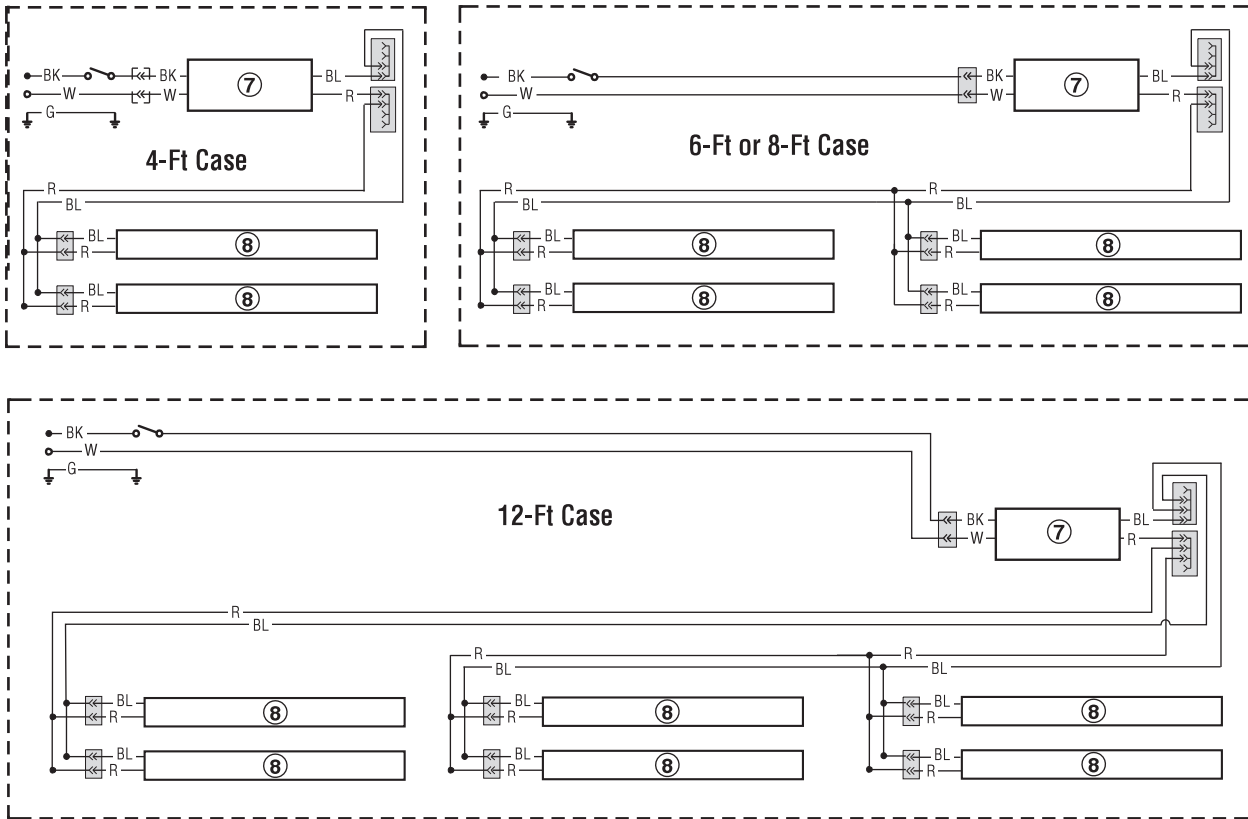
Grayed components in 12 foot models only.

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

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Optional LED Lighting

EcoShine II LED Canopy Lighting — 2 Row



WARNING

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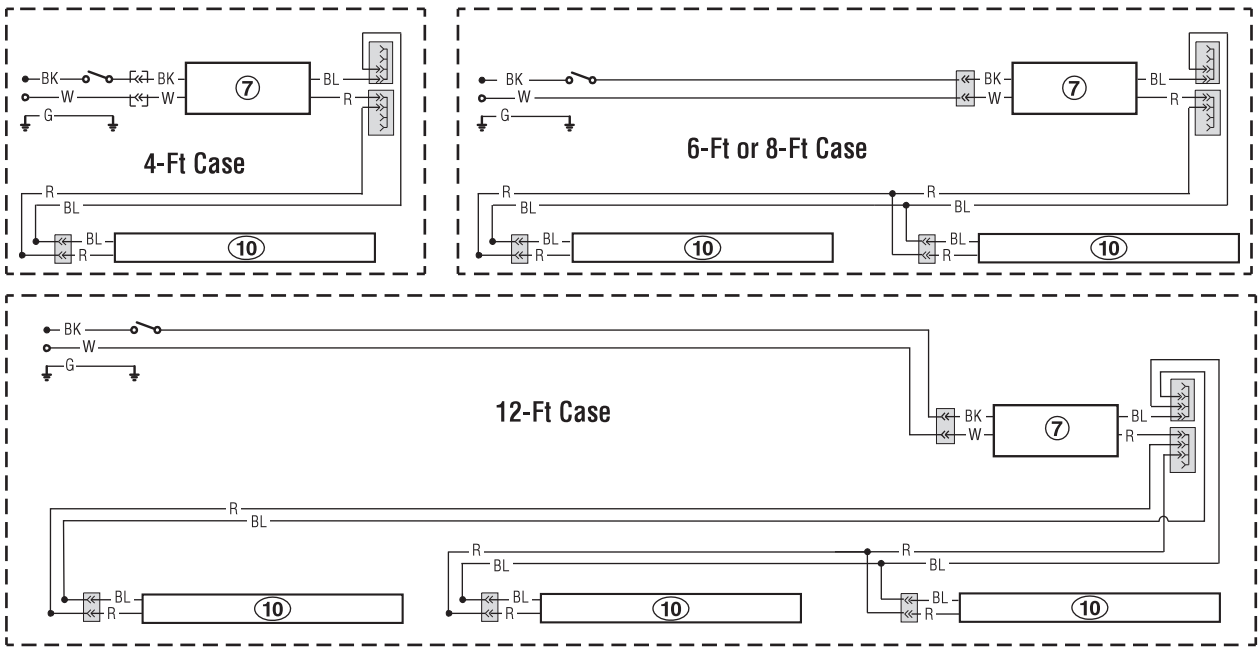
CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

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

Optional LED Lighting

EcoShine II LED Rail Lighting — 1 Row



WARNING

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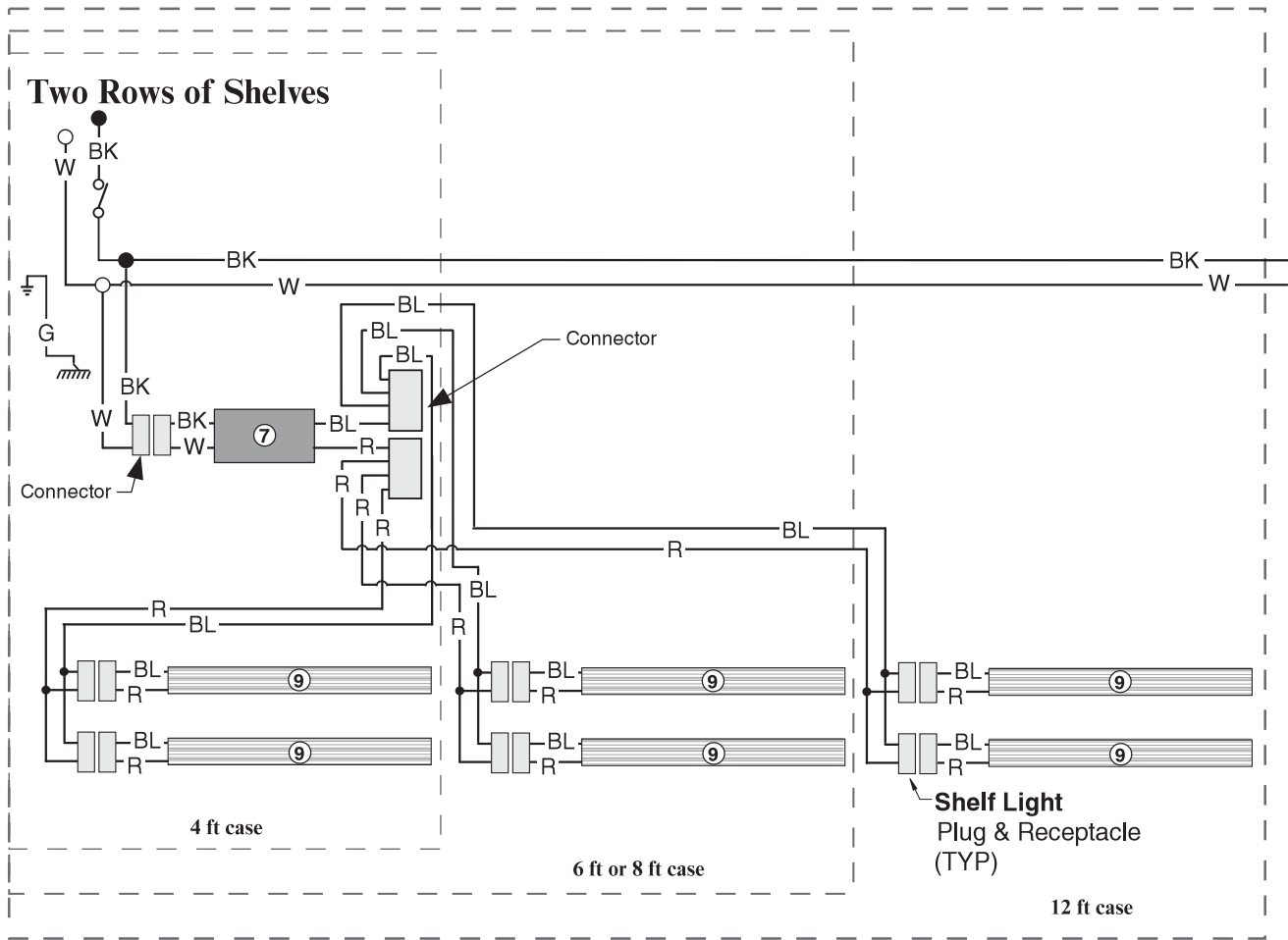
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Optional LED Lighting

Optional Shelf Harness and LED Light Circuits for



WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

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