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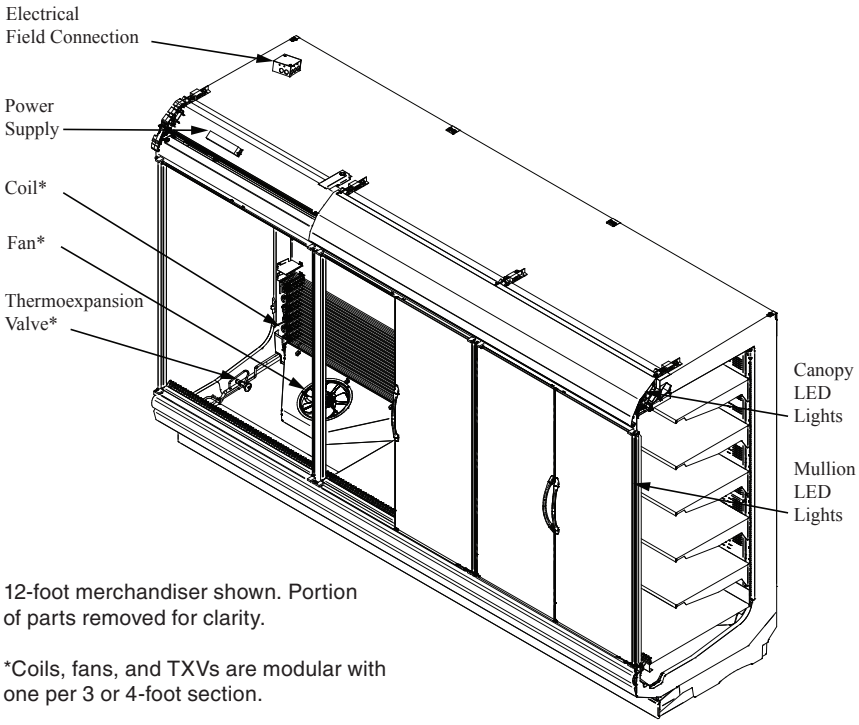

12-foot merchandiser shown. Portion of parts removed for clarity.

*Coils, fans, and TXVs are modular with one per 3 or 4-foot section.

Technical Datasheet

IDD6SV

Remote Multi-Deck Mechandiser with Doors and Very Low Front

Applications
Beverage, Dairy, and Deli

P/N 3021174 **Rev** H
April 2025

Models Covered
IDD6SV4, IDD6SV6,
IDD6SV8, IDD6SV12

Table of Contents

Certifications

C ETL US LISTED Intertek

NSF®

NSF Certification

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

⚠ ***WARNING***

Component parts shall be replaced with like components, and servicing shall be done by factory authorized service personnel only, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

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.

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Insight IDD6SV
Dairy / Delicatessen

Refrigeration Data [1]

IDD6SV		Optimal Shelf Life					Energy Comparison
Door Option		EcoVision			EcoVision HA	EcoVision HA+	EcoVision
Application		Dairy/Deli/ Beverage/ Produce	Pegs[3]	Convertible/ Meat	NSF Type 2 Ambient[4]	Harsh Environment	AHRI 1200 Rating Point[5]
Unlit Mullions	Discharge Air °F (°C)	38 (3.33)	36 (2.22)	34 (1.11)	34 (1.11)	33 (0.55)	38 (3.33)
	Average Evaporator °F (°C) [2]	34 (1.11)	33 (0.55)	31 (-0.55)	31 (-0.55)	30 (-1.11)	34 (1.11)
	Parallel Btu/hr/ft (Watts/m)	253 (243)	272 (262)	277 (266)	287 (276)	360 (346)	253 (246)
	Conventional Btu/hr/ft (Watts/m)	260 (250)	280 (269)	285 (274)	295 (284)	370 (356)	260 (250)
Lit Mullions	Discharge Air °F (°C)	37 (2.77)	35 (1.66)	33 (0.55)	33 (0.55)	32 (0)	37 (2.77)
	Average Evaporator °F (°C) [2]	33 (0.55)	32 (0)	30 (-1.11)	30 (-1.11)	29 (-1.67)	33 (0.55)
	Parallel Btu/hr/ft (Watts/m) [6]	282 (271)	301 (290)	306 (294)	316 (304)	379 (365)	282 (271)
	Conventional Btu/hr/ft (Watts/m) [6]	290 (279)	310 (298)	315 (303)	325 (313)	390 (375)	290 (279)
Fan Speed[6]	IDD6SV6 (10.3")	1150[6]	1150[6]	1150[6]	1150[6]	1150[6]	1150[6]
	IDD6SV4, 8, 12 (10.3")	1150[6]	1150[6]	1150[6]	1150[6]	1150[6]	1150[6]

Notes:
1. All data based on store temperature and humidity that does not exceed NSF Type 1 ambient conditions of 75°F and 55% relative humidity except where noted.
2. 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.
3. Hussmann Peg Shelves for Dairy/Deli applications only.
4. Data for operation in NSF Type 2 ambient of 80°F and 55% relative humidity.
5. AHRI 1200 Rating Point for energy consumption comparison only.
6. Some lengths and/or applications require optional fan motor kits applied by the Hussmann Product Configurator (HPC).

Defrost Data

	Type 1	Harsh Environment
Frequency (hours between defrost)	24	12
Offtime **Time (minutes)**	40	30
Electric or Gas	Not Available	
Defrost Water [7]	1.0 lb/ft/day (1.5 kg/m)	2.3 lb/ft/day (3.4 kg/m)

[7] (± 15% based on case configuration and product loading).

Conventional Controls

	IDD6SV
Low Pressure Backup Control CI/CO [8]	26°F /16°F –3.3°C / –8.9°C
Indoor Unit Only, Pressure Defrost Termination [8]	48°F (8.9°C)

[8] Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge [9]

		IDD6SV	
4 ft	0.6 lb	9.6 oz	0.3 kg
6 ft	1.1 lb	17.6 oz	0.5 kg
8 ft	1.5 lb	24 oz	0.7 kg
12 ft	2.9 lb	46.4 oz	1.3 kg

[9] This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

Product Data

Gross Refrigerated Volume [10] (Cu Ft/Ft)	12.40 ft^3/ft (1.15 m^3/m)
AHRI Total Display Area [11] (Sq Ft/Ft)	4.87 ft^2/ft (1.48 m^2/m)
Shelf Area [12] (Sq Ft/Ft)	11.69 ft^2/ft (3.56 m^2/m)

[10] AHRI Gross Refrigerated Volume: Refrigerated Volume/Unit of Length, ft^3/ft [m^3/m]
[11] Computed using AHRI 1200 standard methodology: Total Display Area, ft^2 [m^2]/Unit of Length, ft [m]
[12] Shelf surface area is composed of bottom deck plus standard shelf complement for this model: (5) rows of 22-in. shelves

Insight IDD6SV
Dairy / Delicatessen

Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Dimensions shown as in. and (mm).

Shelf complement shown as tested:

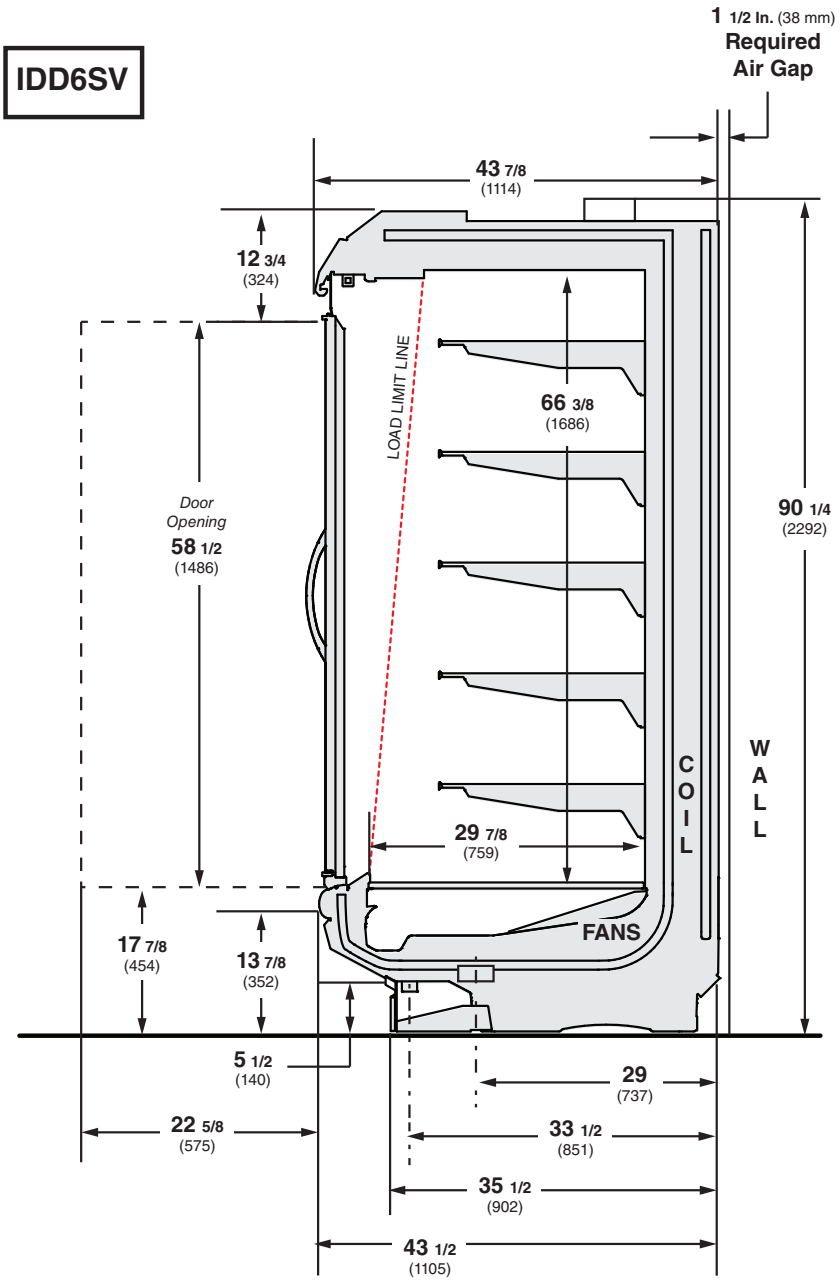
Five rows of 22-in. shelves spaced equally between bottom display pan and interior top panel.

Other optional kits (top piping and vent fans) add to the overall case height.

A minimum 1 ½-in. clearance required to remove raceway cover, 6 ½-in. for full access. See the Installation manual for instructions.

3-in. between back to back cases.

IDD6SV

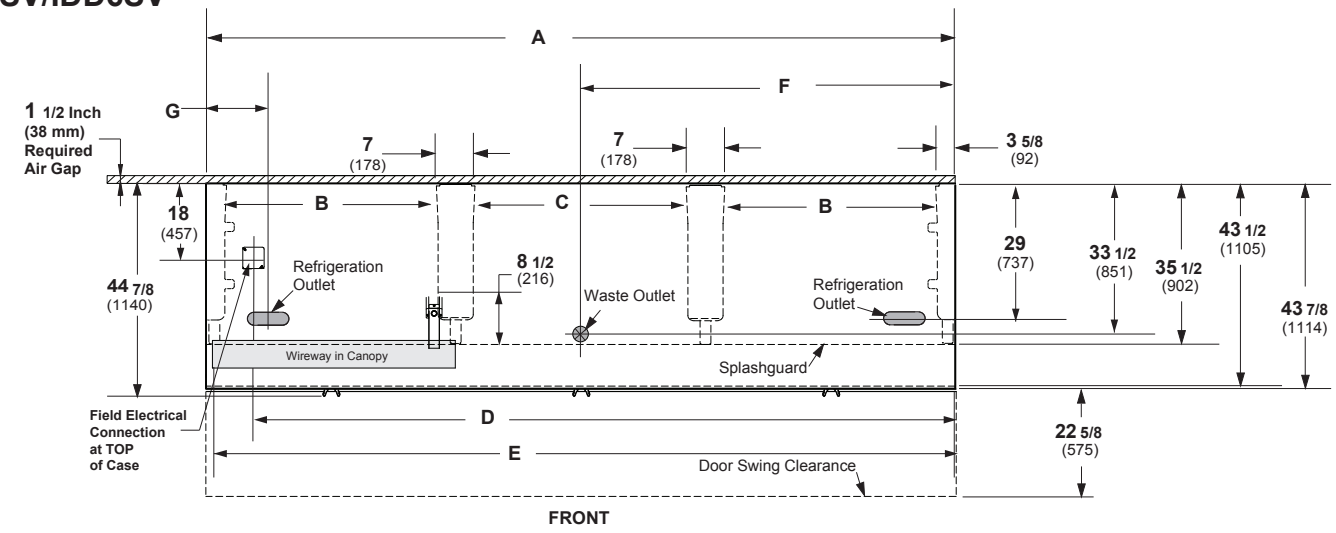


NSF Certification
This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials and cleanability.

Engineering
Plan View

Dimensions shown as in. and (mm).

IDD5SU/IDD6SU/ IDD5SV/IDD6SV



(12 Foot Model shown above)

		4 ft	6 ft	8 ft	12 ft
General					
(A)	Case Length *(without ends or partitions) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)*	48 1/8 (1222)	72 1/4 (1835)	96 1/4 (2445)	144 3/8 (3667)
	Maximum O/S dimension of case back to front *(includes bumper)*	43 1/2 (1105)	43 1/2 (1105)	43 1/2 (1105)	43 1/2 (1105)
	Back of case to front of splashguard	35 1/2 (902)	35 1/2 (902)	35 1/2 (902)	35 1/2 (902)
(B)	Distance between edges of external legs and center legs	NA	29 (737)	41 (1041)	41 (1041)
(C)	Distance between edges of center legs	41 1/8 (1045)	NA	NA	41 1/8 (1045)
	Distance between front legs and splashguard	8 (203)	8 (203)	8 (203)	8 (203)
Electrical Service *(Field Electrical Wiring Connection)*					
(D)	RH End of case to center of Field Electrical Wiring Connection *(top of case)*	39 3/8 (1000)	63 1/2 (1613)	87 1/2 (2223)	135 1/2 (3442)
	Back of case to center of Field Electrical Wiring Connection	18 (457)	18 (457)	18 (457)	18 (457)
	Length of electrical wireway	44 5/8 (1133)	33 1/2 (851)	45 7/8 (1165)	45 7/8 (1165)
(E)	RH end of case to LH end of electrical wireway *(top of case)*	46 1/2 (1181)	70 1/2 (1791)	94 1/2 (2400)	142 5/8 (3630)
Waste Outlets					
(F)	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)
	Back O/S of case to center of waste outlet(s)	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)
	Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Floor Drain must be located within 24 inches of Waste Outlet.					
Refrigeration Outlet					
(G)	Back of case to center of refrigeration outlet	29 (737)	29 (737)	29 (737)	29 (737)
	End of case to center of refrigeration outlet	8 1/2 (216)	8 1/2 (216)	8 1/2 (216)	8 1/2 (216)

Electrical Data

Number of Fans	**4 ft**	**6 ft**	**8 ft**	**12 ft**
10.3-in.	1	2	2	3

			Amperes				**Watts**			
Evaporator Fan			**4 ft**	**6 ft**	**8 ft**	**12 ft**	**4 ft**	**6 ft**	**8 ft**	**12 ft**
120V	60Hz	Energy Efficient	0.32	0.64	0.64	0.96	17	34	34	51
230V	50/60Hz	Energy Efficient	0.17	0.33	0.33	0.50	17	34	34	51
Minimum Circuit Ampacity										
120V	60Hz	Energy Efficient	0.52	0.84	0.84	1.16				
230V	50/60Hz	Energy Efficient	0.37	0.53	0.53	0.70				
Maximum Over Current Protection										
120V			20	20	20	20				
230V			15	15	15	15				

Lighting

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2017 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

	Amperes				**Watts**			
	4 ft	**6 ft**	**8 ft**	**12 ft**	**4 ft**	**6 ft**	**8 ft**	**12 ft**
LED LIGHTING								
Standard LED Canopy Lights								
1 Row LED Canopy (Standard)	0.16	0.22	0.31	0.47	19	27	38	57
Shelf (max 5 rows, not available in combination with mullion lights)								
1 Row	0.06	0.07	0.11	0.17	7	9	13	20
2 Rows	0.11	0.15	0.22	0.33	13	18	27	40
3 Rows	0.17	0.22	0.33	0.50	20	27	40	60
4 Rows	0.22	0.30	0.44	0.67	27	36	53	80
5 Rows	0.28	0.37	0.56	0.83	33	44	67	100
Mullion								
60-in.	0.28	0.50	0.50	0.72	33	60	60	87
Frame Anti-Condensate Heaters (Only with EcoVision HA+ Door Option)	0.41	0.63	0.68	0.94	56	82	88	121

120V Lighting Circuit Total = Standard Lighting + Total Optional Lighting
230V Lighting Circuit Total = Multiply 120V Lighting Circuit Total by 0.52

***Insight* IDD6SV**
Dairy / Delicatessen

ENDS or PARTITIONS

Each standard end and each insulated partition adds 1 1/2 in. (38 mm) to case line up. Optional view end with end bumper adds 3 3/4 in. (95 mm).

PHYSICAL DATA

Merchandiser Drip Pipe (in.) Schedule 40 PVC	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

ESTIMATED SHIPPING WEIGHT †

Case					**Solid End**
	4 ft	***6 ft***	***8 ft***	***12 ft***	***(each)***
lb *(kg)*	860 (390)	1090 (494)	1320 (599)	1780 (807)	100 (45)

† Actual weights will vary according to optional kits included.

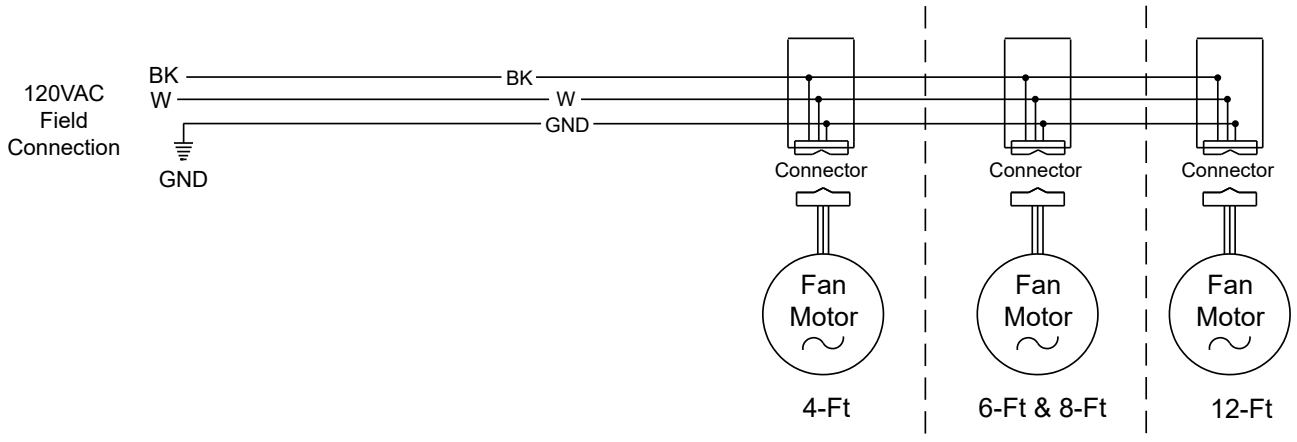
Shelf Options

Approved shelf sizes for standard (horizontal, 2-3 position brackets) displays:
18-inch, 20-inch, 22-inch, 24-inch

Contact engineering for non-standard (4 position brackets or other) display recommendations.
Minimum number of Shelves: 4
Optimal number of Shelves: 5
Maximum number of Shelves: 8
Maximum number of Lighted Shelves: 0

Standard shelf complement for test purposes: (5) rows of 22-in. shelves evenly distributed vertically.

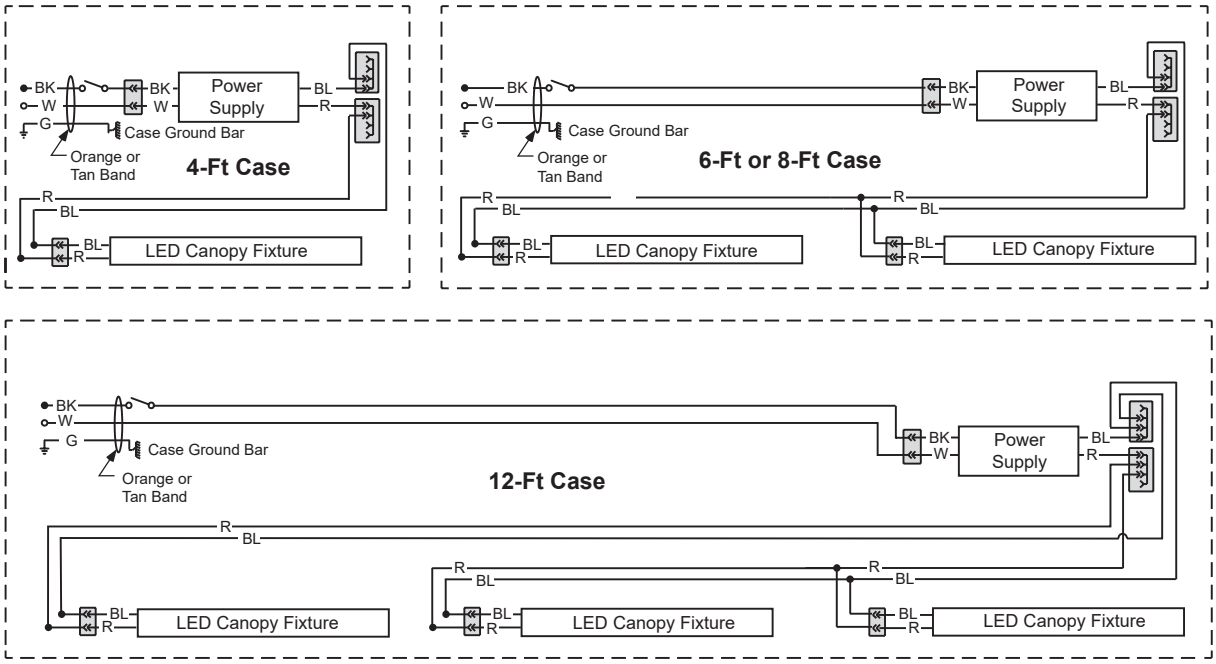
Fan Wiring
Offtime Defrost



LED Canopy Light Circuits

Insight IDD6SV
Dairy / Delicatessen

LED Canopy Lighting — 1 Row



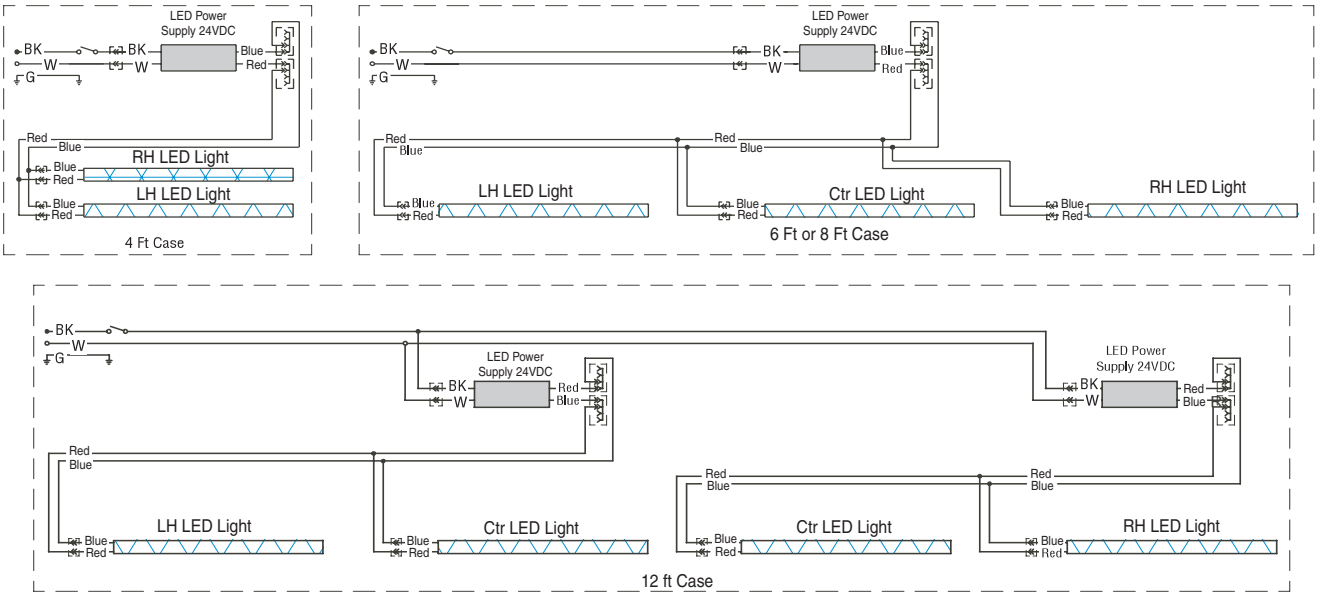
WARNING

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

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

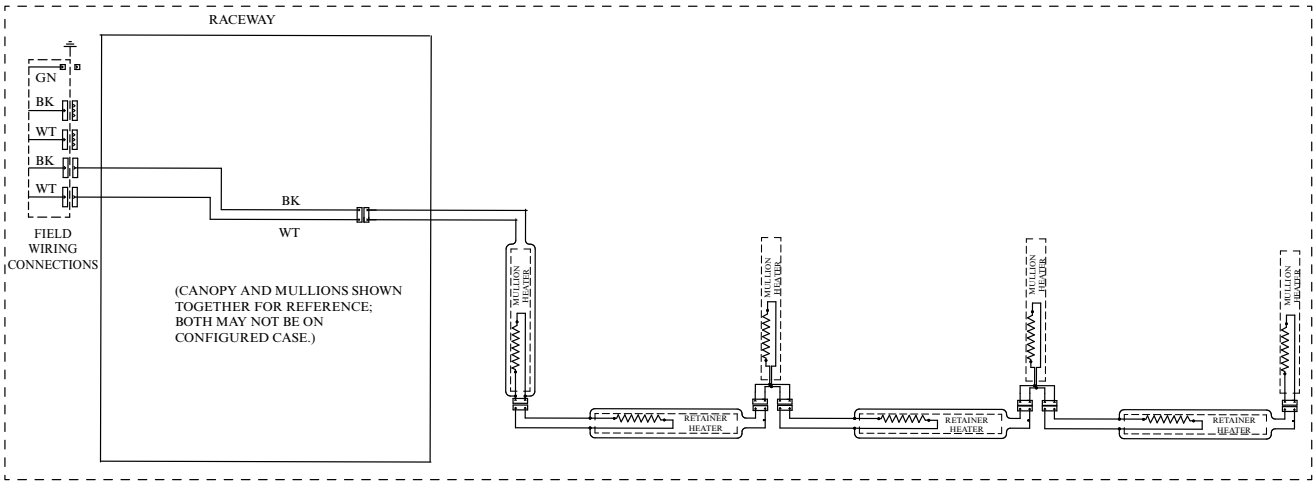
● = 120V POWER ○ = 120V NEUTRAL ⏚ = FIELD GROUND ⫻⫻⫻ = CASE GROUND

Mullion LED Lighting



Insight IDD6SV
Dairy / Delicatessen

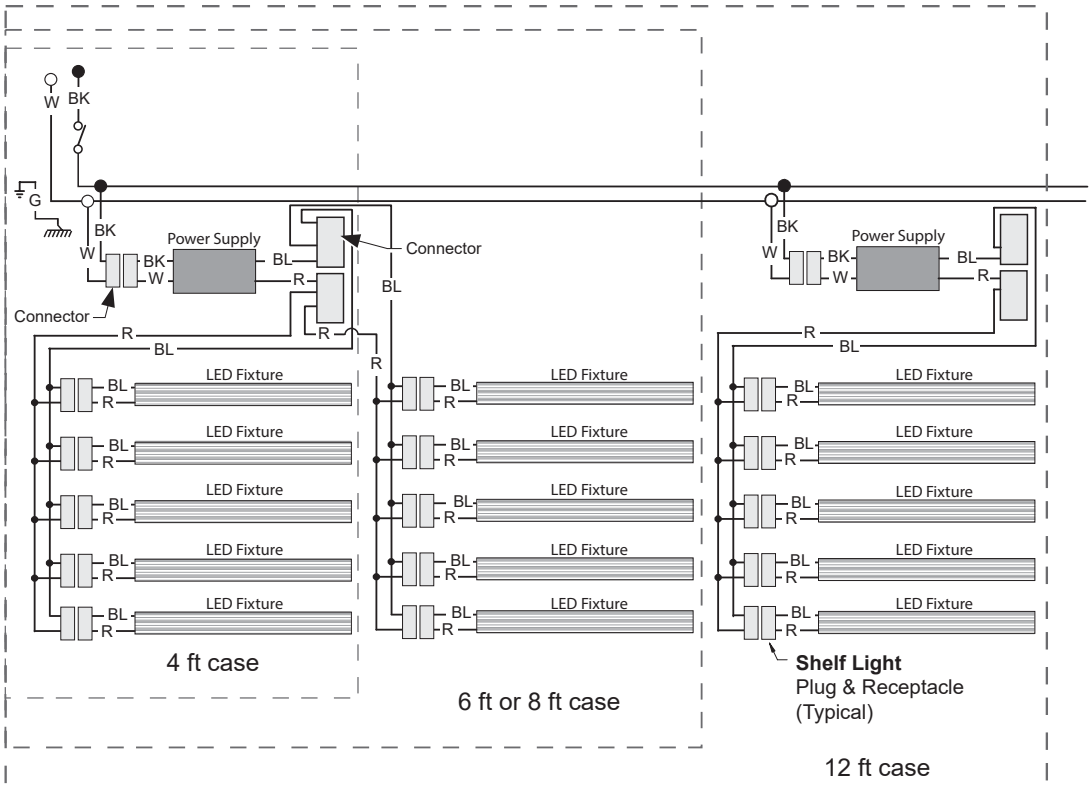
Door Frame Heater
EcoVision HA+ Only



6 DOOR (12 FT)

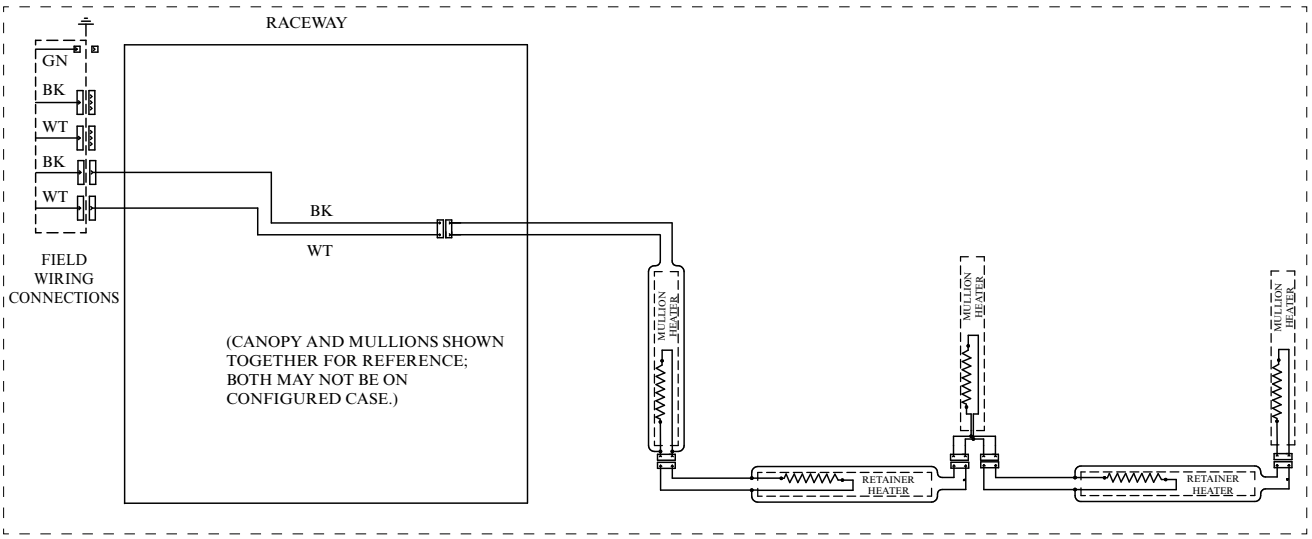
LED Shelf Lighting

Shelf Harness and LED Light Circuits for 4 or 5 Rows of Shelves

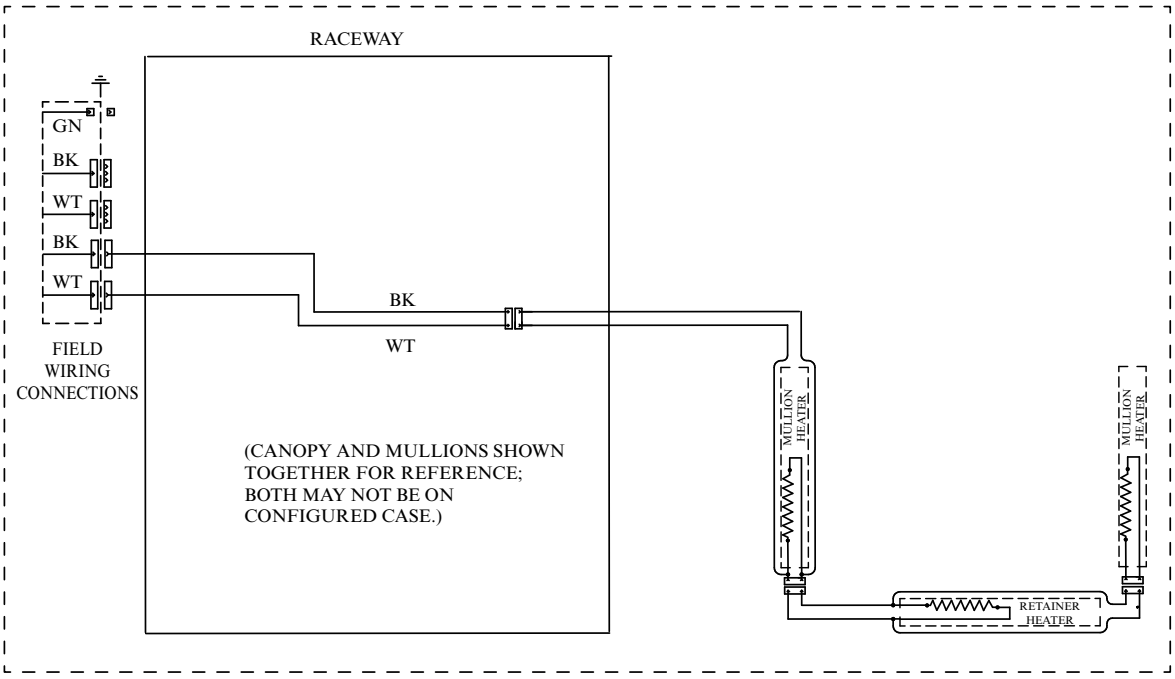


WARNING
All components must have mechanical ground, and the merchandiser must be grounded.

R = Red Y = Yellow G = Green BL = Blue BK = Black W = White
● = 120V Power ○ = 120V Neutral ⏚ = Field Ground ⏦ = Case Ground



3 DOOR / 4 DOOR (6 FT / 8 FT)



2 DOOR (4 FT)

WARNING

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

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

● = 120V Power ○ = 120V Neutral ⏚ = Field Ground ⏦ = Case Ground

Estimating Refrigeration and Electrical Load (for comparison purposes only)

Case Btu
To determine Btu for a case, refer to the performance data chart on Page 2. Select lit or unlit shelves, then select the type of remote refrigeration system (parallel or conventional), which will give Btu/hr/ft. Multiply this number by the length of the case to determine Btu per hour.

Case Electrical
Refer to store legend to determine number of circuits. Lighting should be specified in store legend.

Fan electrical load for a case is computed by selecting the case length and fan voltage on Page 6. For example, a 12 ft case uses 3 fans. The store legend specifies fans on a 230V circuit. In this instance, fans use 0.50 Amps and the MCA is 0.70. When applied, ambient fans, anti-sweat heaters, controllers, etc. must be included in the MCA. Include lights in the MCA if lights are on same circuit.

Lights may be on a separate circuit. To estimate lighting load: select case length (12 ft), canopy lighting [standard or optional] (here 0.70 for standard), and mullion lighting [maximum for which case is wired] (0.57 for EcoShine II 48 mullion lights); then add together [0.48 + 0.57 = 1.05 amps for 120V] (for 230V, multiply 1.05 * 0.52 = 0.55).

Line Sizing — Refer to store legend.
Hussmann Line Sizing Charts are engineered for use with Hussmann refrigeration equipment.

Scan the QR code with your mobile device to access additional product information or order parts.

Parts may also be ordered at:
parts.hussmann.com
Call toll free: 1.855.487.7778

Revision History

Revision A: January 2017: Original Issue.

Revision B: April 2017: Updated LED energy values.

Revision C: April 2017: Updated LED energy values.

Revision D: September 2017: Updated notes page.

Revision E: May 2018: Updated lighting information.

Revision F: January 2023: Added CO_2 note, Page 2.

Revision G: December 2023: Updated fan and lighting information. Removed replacement parts page. Updated wiring diagrams.

Revision H: April 2025: Updated electrical information.