HUSSMANN®
Excel

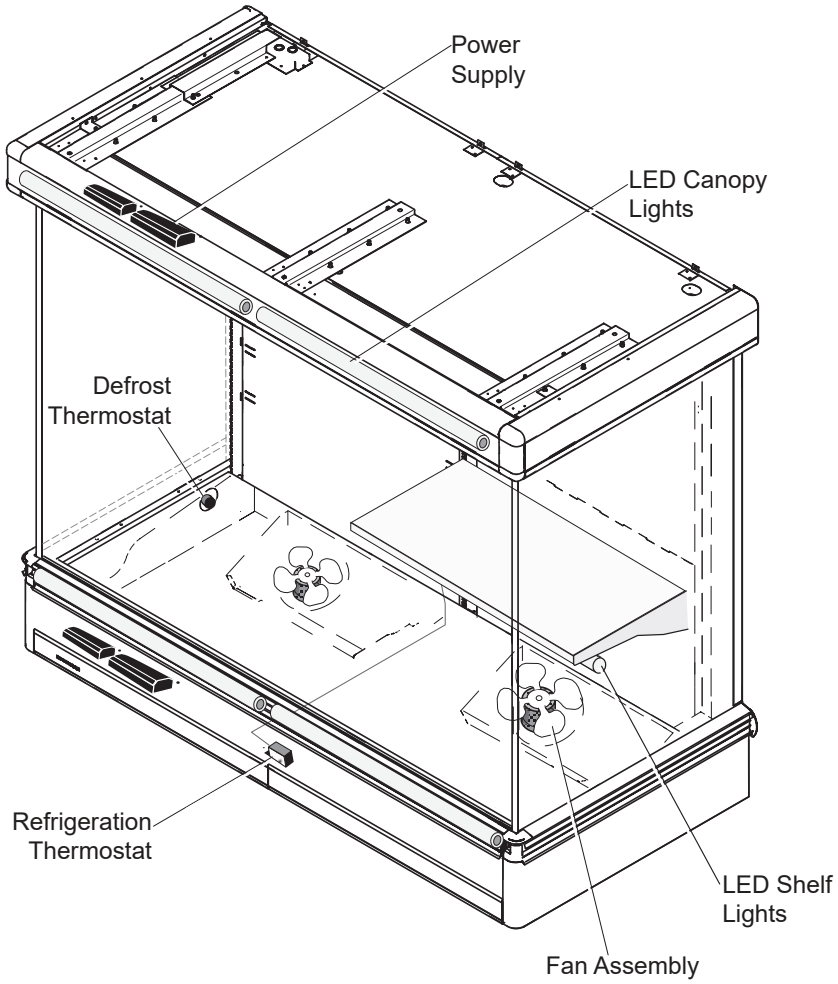
D5XELE

Technical Data Sheet

P/N 0481484_K

NSF® Certified

July 2019



DOE 2017
Energy Efficiency Compliant

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

Scan the QR code on 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

Note: Revision K: July 2019. Updated Lighting and CaseShieldPTM.

Data sheet-Excel-D5XELE

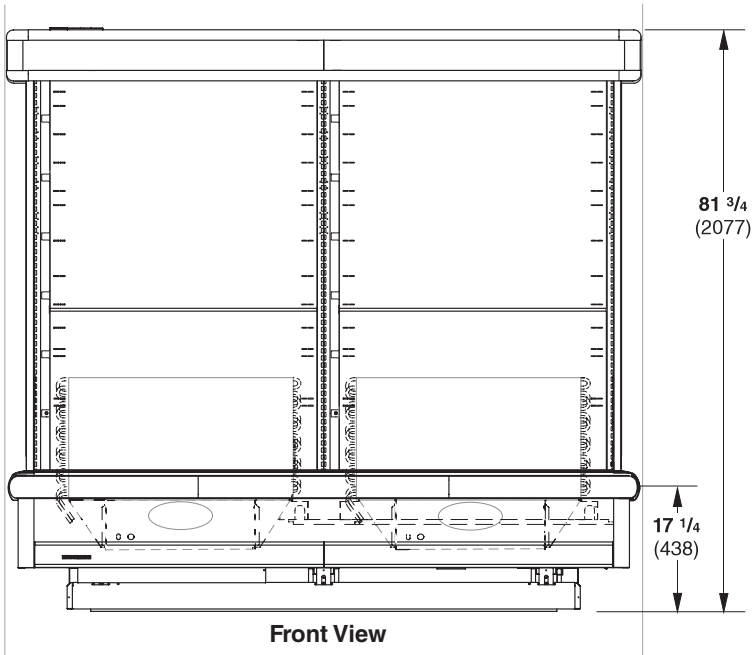
U.S. & CANADA 1-800-922-1919 • MEXICO 1-800-890-2900 • WWW.HUSSMANN.COM

Spanish P/N 0533180

Engineering
Plan Views

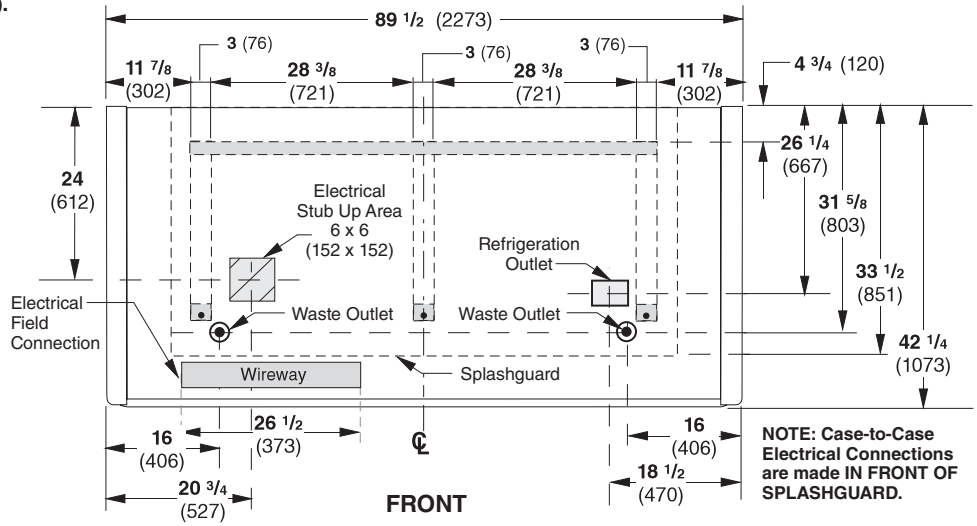
Multi-deck Dairy & Delicatessen End Case

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



Front View

Dimensions shown as in. and (mm).



D5XELE

General

Case Length 89 1/2 (2273)
Maximum O/S dimension of case back to front *(includes bumper)* 42 1/2 (1073)
Back of case to front of splashguard. . 33 1/2 (851)
Distance between edges of external legs and center leg 28 3/8 (721)
Distance between front legs and splashguard 2 3/4 (70)

Electrical Service

(Electrical Field Wiring connection point)
RH End of case to center of stub up area . . 68 3/4 (1476)
Back O/S edge of case to center of stub up area 24 (612)
Length of electrical wireway. . . . . Wireway 26 1/2 (373)

Waste Outlet

Back O/S of case to center of waste outlet ⦿ 31 5/8 (803)
RH End of case to center of LH waste outlet 73 1/2 (1869)
RH End of case to center of RH waste outlet 16 (406)
Schedule 40 PVC drip pipe 1 1/4 (32)

Refrigeration Outlet

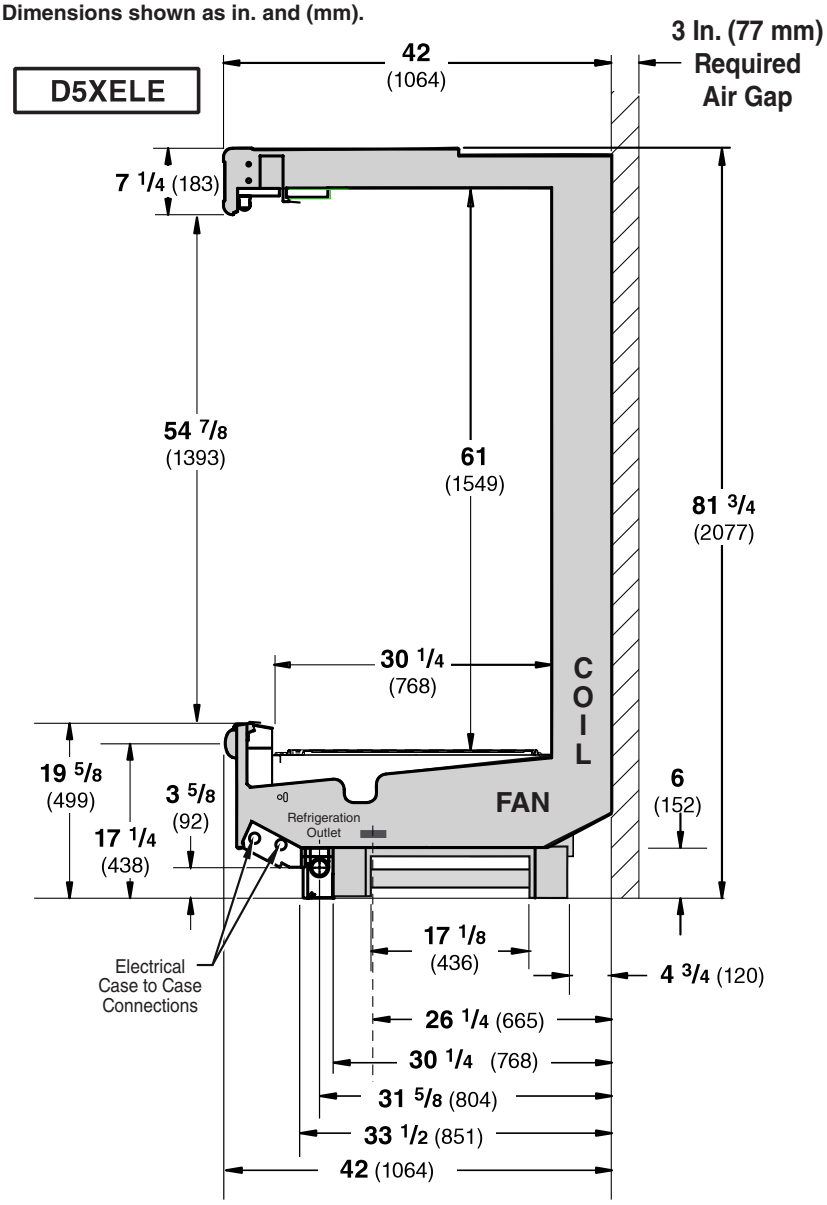
Back of case to center of refrigeration outlet . . ▭ 31 5/8 (803)
LH end of case to center of refrigeration outlet 71 1/2 (1816)

Excel D5XELE
Dairy & Delicatessen

DOE 2017 Energy Efficiency Compliant

All D5X models meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Dimensions shown as in. and (mm).



Estimated Charge **

D5XELE	2.4 lb

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

REFRIGERATION DATA

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

	D5XELE§
Discharge Air (°F)	32
Evaporator (°F)	24
Unit Sizing (°F)	22

§ 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.

Btu/hr/case — Unlit Shelves‡

D5XELE	Parallel	Conventional
UNLIT	10,482	11,182

‡ Add 10 Btu/hr/ft **per shelf row** for LED fixtures. Add 20 Btu/hr/ft **per shelf row** for fluorescent lamps. Reduce refrigeration load by 15% if fitted with CaseShieldPTM.

DEFROST DATA

	D5XELE
Frequency (hr)	6
Defrost Water (lb/ft/day)	10.5

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

OFFTIME	D5XELE
Temp Term (Deg. F)	48
Failsafe (minutes)	35

GAS OR ELECTRIC Not Recommended

Standard Defrost Thermostat
Close on rise: close 48°F — open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control

	D5XELE
CI/CO (Temp Deg. F)*	**17/7**

Indoor Unit Only, Pressure Defrost Termination (Temp °F)*
Not Recommended

*Use a Temperature Pressure Chart to determine PSIG conversions.

Excel D5XELE
Dairy & Delicatessen

Electrical Data			**D5XELE**	
Number of Fans—12W			**2**	
			Amperes D5XELE	**Watts D5XELE**
Evaporator Fan				
120V	60Hz	Energy Efficient	0.60	36
230V	60Hz	Energy Efficient	0.30	36
230V	60Hz	Export	0.66	100
230V	50Hz	Export	0.76	114
Minimum Circuit Ampacity				
120V	60Hz	Energy Efficient	0.80	
230V	60Hz	Energy Efficient	0.50	
230V	60Hz	Export	0.86	
230V	50Hz	Export	0.96	
Maximum Over Current Protection 120V			**20**	
Maximum Over Current Protection 230V			15	

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**
EcoShine Multi-deck Canopy Normal (CRI) — 120VAC, 50/60Hz		
2 Row Canopy	0.41	49
1 Row of Shelves	0.15	18
2 Rows of Shelves	0.29	35
3 Rows of Shelves	0.44	53
4 Rows of Shelves	0.58	70
5 Rows of Shelves	0.73	87
EcoShine Multi-deck Canopy High CRI — 120VAC, 50/60Hz		
2 Row Canopy	0.47	56
1 Row of Shelves	0.18	21
2 Rows of Shelves	0.35	42
3 Rows of Shelves	0.53	63
4 Rows of Shelves	0.70	84
5 Rows of Shelves	0.88	105
Standard Lighting (T-8 fluorescent) 1 Row Canopy		
Each Row of Canopy, Shelf or Rail Lights	0.51	59

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

Please note: some combinations of fluorescent lights on this case model may not be compliant with DOE 2017 and may not be available to order in the US and Canada. More lighting options are available with LED lights. The Hussmann Product Configurator will not allow lighting options that do not comply with the DOE 2017 standards.

Product Data

Recommended Usable Cube [1] (Cu Ft/Case)	63.68 ft^3 /case (1.80 m^3 /case)
AHRI Total Display Area [2] (Sq Ft/Case)	**D5XELE (front only)** 31.14 ft^2 /case (2.89 m^2 /case)
	D5XELE with standard view ends 52.28 ft^2 /case (4.86 m^2 /case)
Shelf Area [3] (Sq Ft/Case)	67.03 ft^2 /case (6.28 m^2 /case)

[1] AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft^3/ft [m^3/m]
[2] Computed using AHRI 1200 standard methodology: Total Display Area, ft^2 [m^2]
[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 (4) rows of 16-inch shelves.

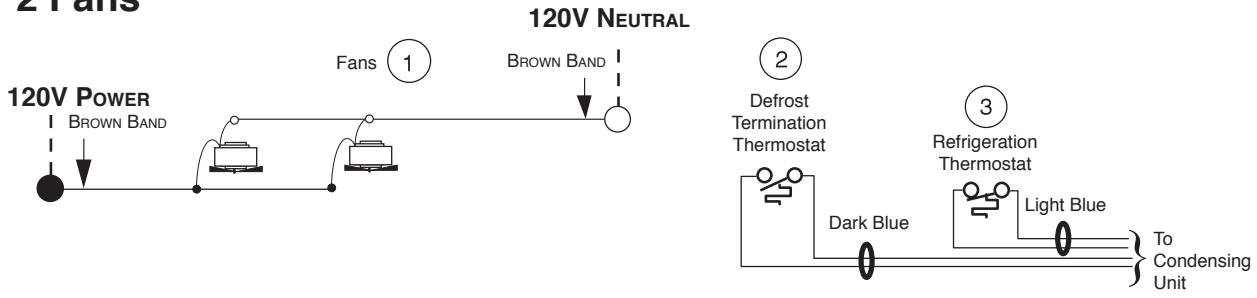
ESTIMATED SHIPPING WEIGHT [4]

Case	Case	Solid End (each)
lb *(kg)*	1200 (544)	NA

[4] Actual weights will vary according to optional kits included.

Fan Wiring
Offtime Defrost

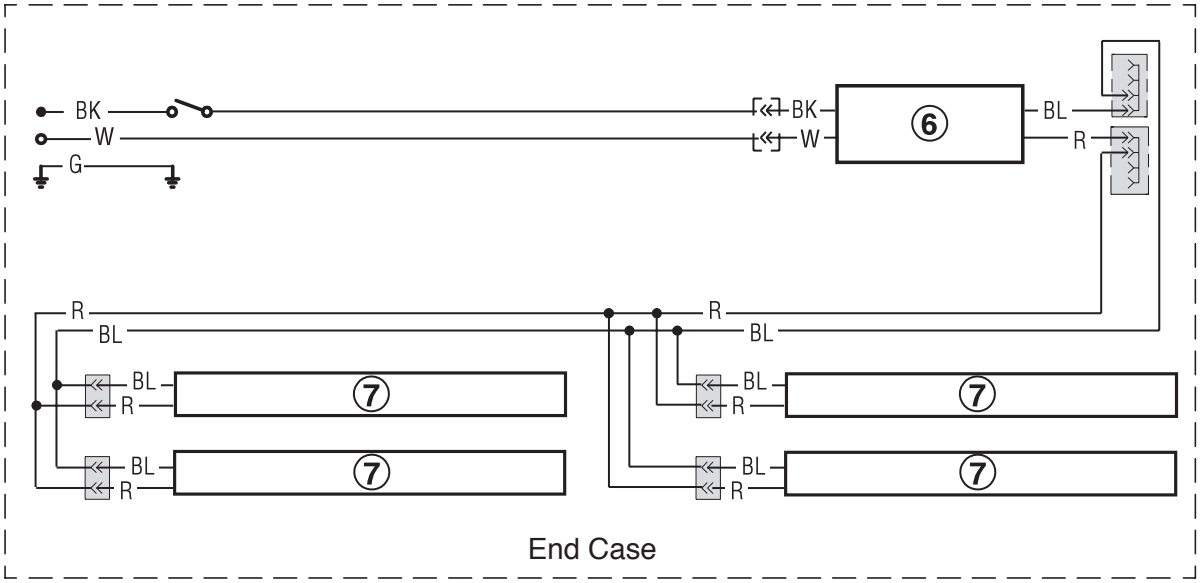
2 Fans



Scan QR code to access Fluorescent Wiring Diagrams on your mobile device.

LED Canopy Lighting

Standard LED Canopy Lighting – 2 Row Canopy



WARNING

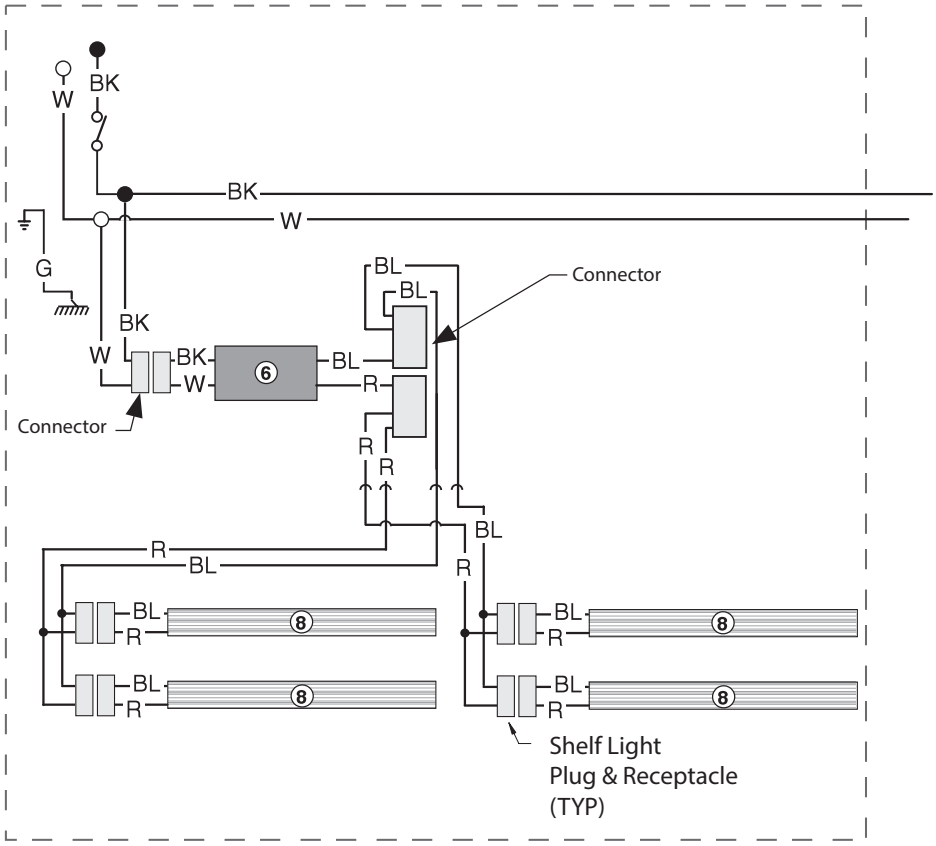
All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

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

Shelf Harness and LED Light Circuits for Two Rows of Shelves in End Case



WARNING

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

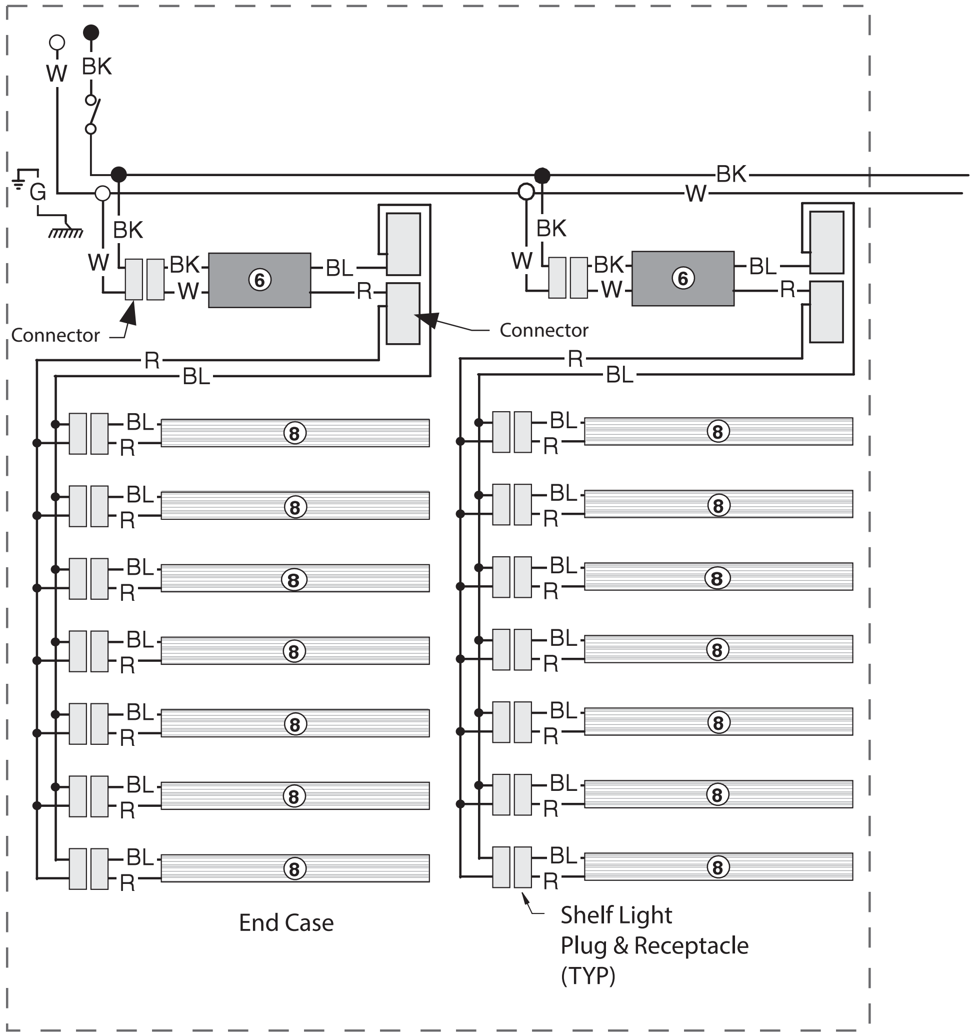
CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

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

Optional Shelf Lighting LED Fixtures

Shelf Harness and LED Light Circuits for 3, 4, 5, 6 & 7 Rows of Shelves in Dairy End Case



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

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