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Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES				LAMPS AND BALLASTS			
4 Ft, 8 Ft & 12 Ft				D.	Ballast, Electronic		(4)
A.	7W Standard Energy Efficient Fan Assembly	(1)	0480130	2 lamps (BA.4481676)			
	0477654	Fan Motor, Evaporator (MO.4410545)	0480131	3 lamps (BA.4481654)			
	0142780	Fan Blade (FB.0142780)	0480132	4 lamps (BA.4481677)			
6 Ft Only				E.	Fluorescent Lamp		(5)
B.	4W Standard Energy Efficient Fan Assembly	(1)		<i>Replace with like fixtures</i>			
	0477653	Fan Motor, Evaporator (MO.4410544)	LED FIXTURES AND POWER SUPPLY				
	0382383	Fan Blade (FB.4780617)	F.	0501213	Power Supply (EP.4481861)		(6)
THERMOSTATS				G.	LED Light Fixture		(8)
C.	Optional Adjustable Refrigeration Thermostat	(2)		<i>Replace with like fixtures</i>			

Datasheet-Excel C2XSC-LP

Note: Revision E: April 2017. Updated LED energy values. Other changes marked with a bar, circle or underline.

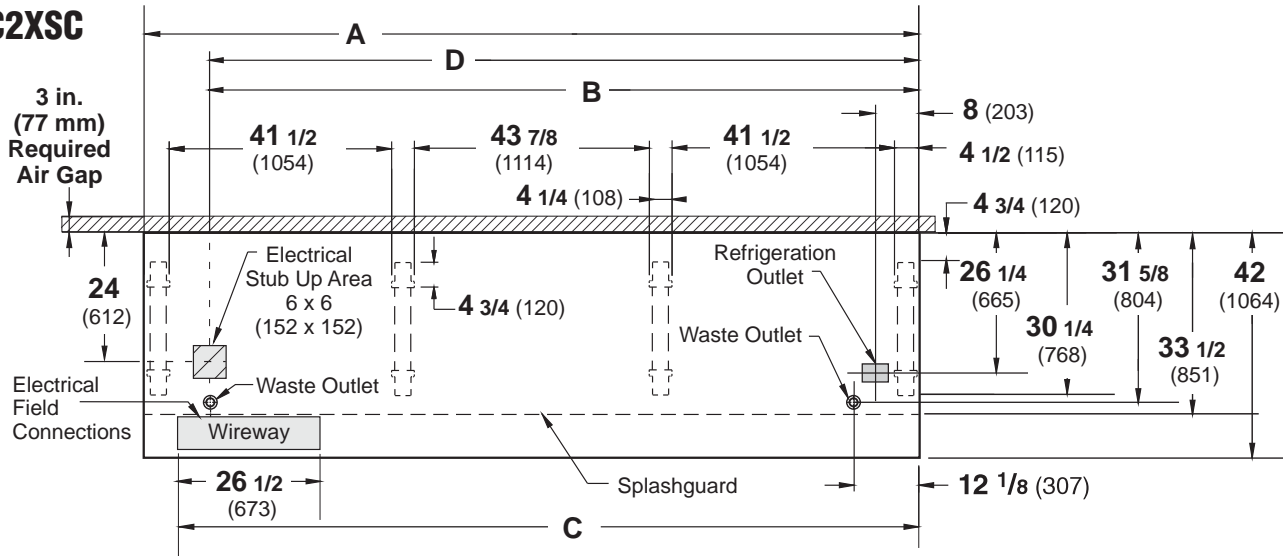
Engineering Plan Views

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

Dairy/Delicatessen, Meat Precut & Packaged Produce





Dimensions shown as inches and (mm).

C2XSC



NOTE: Case-to-Case Electrical Connections
are made IN FRONT OF SPLASHGUARD.

FRONT

	4 ft	6 ft	8 ft	12 ft
General				
(A) Case Length (<i>without ends or partitions</i>) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)	48 3/8 (1229)	72 3/8 (1838)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case back to front (includes bumper)	42 (1064)	42 (1064)	42 (1064)	42 (1064)
Back of case to front of splashguard	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)
Back of case to O/S edge of front leg	30 1/4 (768)	30 1/4 (768)	30 1/4 (768)	30 1/4 (768)
Distance between edges of external legs and center legs	NA	29 1/2 (750)	41 1/2 (1054)	41 1/2 (1054)
Distance between edges of center legs	NA	NA	NA	43 7/8 (1114)
Distance between front legs and splashguard	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)
Electrical Service  (<i>Electrical Field Wiring connection point</i>)				
(B) RH End of case to center of stub up area	36 1/4 (921)	60 1/4 (1530)	84 1/4 (2140)	132 3/8 (3363)
Back of case to center of stub up area	24 (612)	24 (612)	24 (612)	24 (612)
Length of electrical wireway 	26 1/2 (673)	26 1/2 (673)	26 1/2 (673)	26 1/2 (673)
(C) RH End of case to LH end of wireway	42 1/8 (1070)	66 1/8 (1680)	90 1/8 (2289)	138 1/4 (3511)
Waste Outlets (<i>One each end</i>) 				
(D) RH End of case to the center of LH waste outlet	36 1/4 (921)	60 1/4 (1530)	84 1/4 (2140)	132 3/8 (3363)
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	31 5/8 (804)	31 5/8 (804)	31 5/8 (804)	31 5/8 (804)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet 				
Back of case to center of refrigeration outlet	26 1/4 (665)	26 1/4 (665)	26 1/4 (665)	26 1/4 (665)
RH end of case to center of refrigeration outlet	8 (203)	8 (203)	8 (203)	8 (203)

Multi-deck, 3 Display Levels, Low Front, 48 In. Back



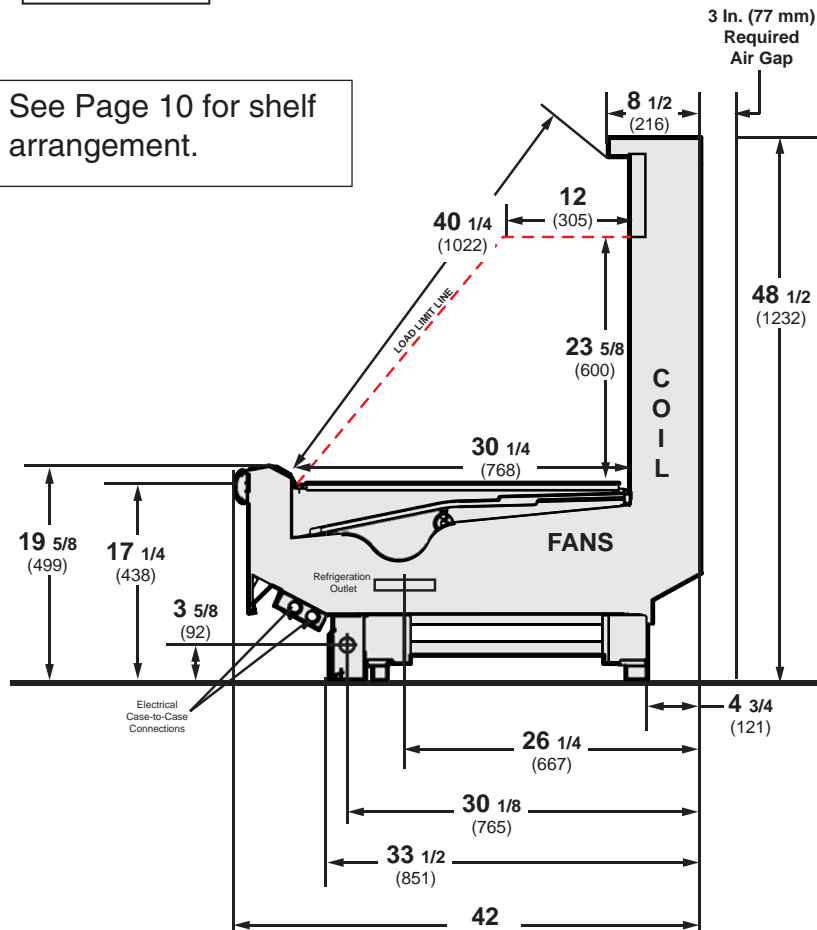
Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Excel C2XSC-LP
Dairy/Delicatessen, Meat,
Precut & Packaged Produce

Dimensions shown as inches and (mm).

C2XSC-LP

See Page 10 for shelf arrangement.



REFRIGERATION DATA

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

C2XSC-LP[§] Dairy/Deli/Produce Meat

	UNLIT LIT	LIT	UNLIT LIT	LIT
Discharge Air °F	33	31	30	28
Evaporator °F	28	26	25	23
Unit Sizing °F	26	24	23	21

§ 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/ft — Unlit Shelves †

C2XSC-LP Dairy/Deli/Produce	Meat
PARALLEL	
4 ft/8 ft/6 ft/12 ft	735 775
CONVENTIONAL	
4 ft/8 ft/6 ft/12 ft	755 795

† Add 10 Btu/hr/ft per shelf row for LED fixtures. Add 20 Btu/hr/ft per shelf row for fluorescent lamps.

DEFROST DATA

	C2XSC-LP
Frequency (hr)	12
Defrost Water (lb/ft/day)	6

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

OFFTIME	C2XSC-LP
Time (minutes)	30

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control

C2XSC-LP Dairy/Deli/Produce	Meat
CI/CO*	19°F / 9°F 16°F / 6°F

Indoor Unit Only, Pressure Defrost

Termination*	48°F
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*Use a Temperature Pressure Chart to determine PSIG conversions.

NSF Certification

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

Estimated Charge **	C2XSC-LP			
4 ft	1.4 lb	22 oz	0.6 kg	
6 ft	1.9 lb	30 oz	0.9 kg	
8 ft	2.7 lb	43 oz	1.2 kg	
12 ft	3.9 lb	62 oz	1.8 kg	

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

Excel C2XSC-LP
Dairy/Delicatessen, Meat,
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Electrical Data

	4 ft	6 ft	8 ft	12 ft
Number of Fans—7W	1	—	2	3
Number of Fans—4W	—	2	—	—

	Amperes				Watts			
	4 ft	6 ft	8 ft	12 ft	4ft	6 ft	8 ft	12 ft
Evaporator Fan								
120V 50/60Hz Standard Energy Efficient	0.19	0.24	0.38	0.57	14	16	28	42
230V 50/60Hz Standard Energy Efficient	0.10	0.12	0.20	0.30	14	16	28	42
230V 60Hz Export	0.25	0.30	0.50	0.75	39	48	78	117
230V 50Hz Export	0.28	0.36	0.56	0.84	42	54	84	126

Minimum Circuit Ampacity †

120V 50/60Hz Standard Energy Efficient	0.39	0.44	0.58	0.77
230V 50/60Hz Standard Energy Efficient	0.30	0.32	0.40	0.50
230V 60Hz Export	0.45	0.50	0.70	0.95
230V 50Hz Export	0.48	0.56	0.76	1.04

Maximum Over Current Protection 120V	20	20	20	20
Maximum Over Current Protection 230V	15	15	15	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.

Optional Lighting (T-8 Fluorescent)

1 Row Rail Light	0.26	0.51	0.51	0.77	30	59	59	85
2 Rows of Shelves	0.51	1.02	1.02	1.54	59	118	118	170
EcoShine II Rail Light —1 Row	0.08	0.12	0.16	0.25	9.9	14.1	19.8	29.7
EcoShine II Shelf								
2 Rows of Shelves	0.16	0.23	0.33	0.49	19.8	28.2	39.5	59.3

120V Fluorescent Lighting Circuit Total = Standard Lighting + Total Optional Lighting + Optional Shelf Lighting

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

230V Lighting Circuit Total = Multiply 120V Lighting Circuit Total by 0.52

† MCA does not include Canopy A/S Heaters because heaters are wired separately from fans.

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.

Excel C2XSC-LP
Dairy/Delicatessen, Meat,
Precut & Packaged Produce

Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft)	3.08 ft ³ /ft (0.29 m ³ /m)
<i>AHRI Total Display Area</i> ² (Sq Ft/Ft)	3.35 ft ² /ft (1.02 m ² /m)
<i>Shelf Area</i> ³ (Sq Ft/Ft)	5.04 ft ² /ft (1.54 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 (1) row of 12-inch shelf and (1) row of 18-inch shelf.

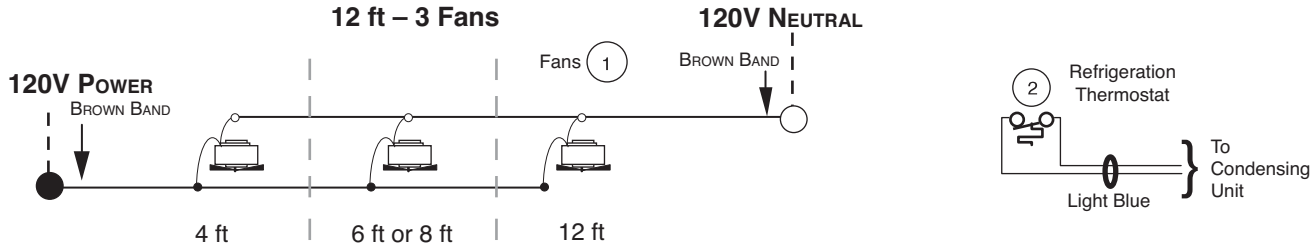
ESTIMATED SHIPPING WEIGHT ⁴					
Case	<i>4 ft</i>	<i>6 ft</i>	<i>8 ft</i>	<i>12 ft</i>	Solid End
lb (kg)	600 (272)	800 (363)	1000 (454)	1200 (544)	<i>(each)</i> 75 (34)

⁴ Actual weights will vary according to optional kits included.

Fan Wiring Offtime Defrost

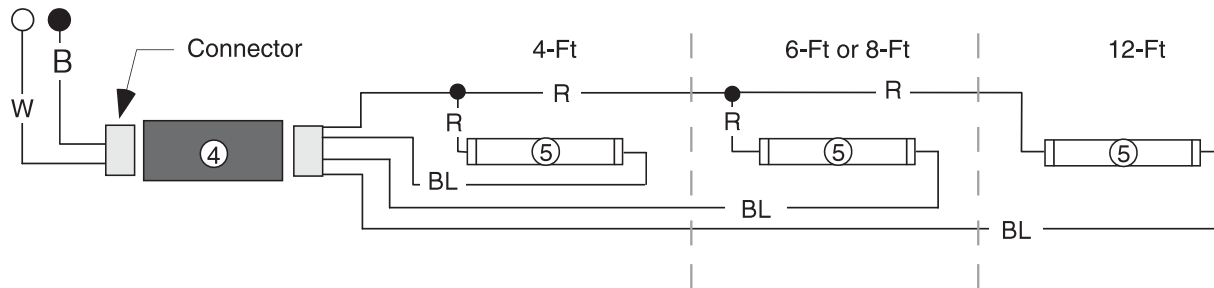
1, 2 & 3 Fans

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



Optional Lighting

Optional Lighting – 1 Row Rail



WARNING

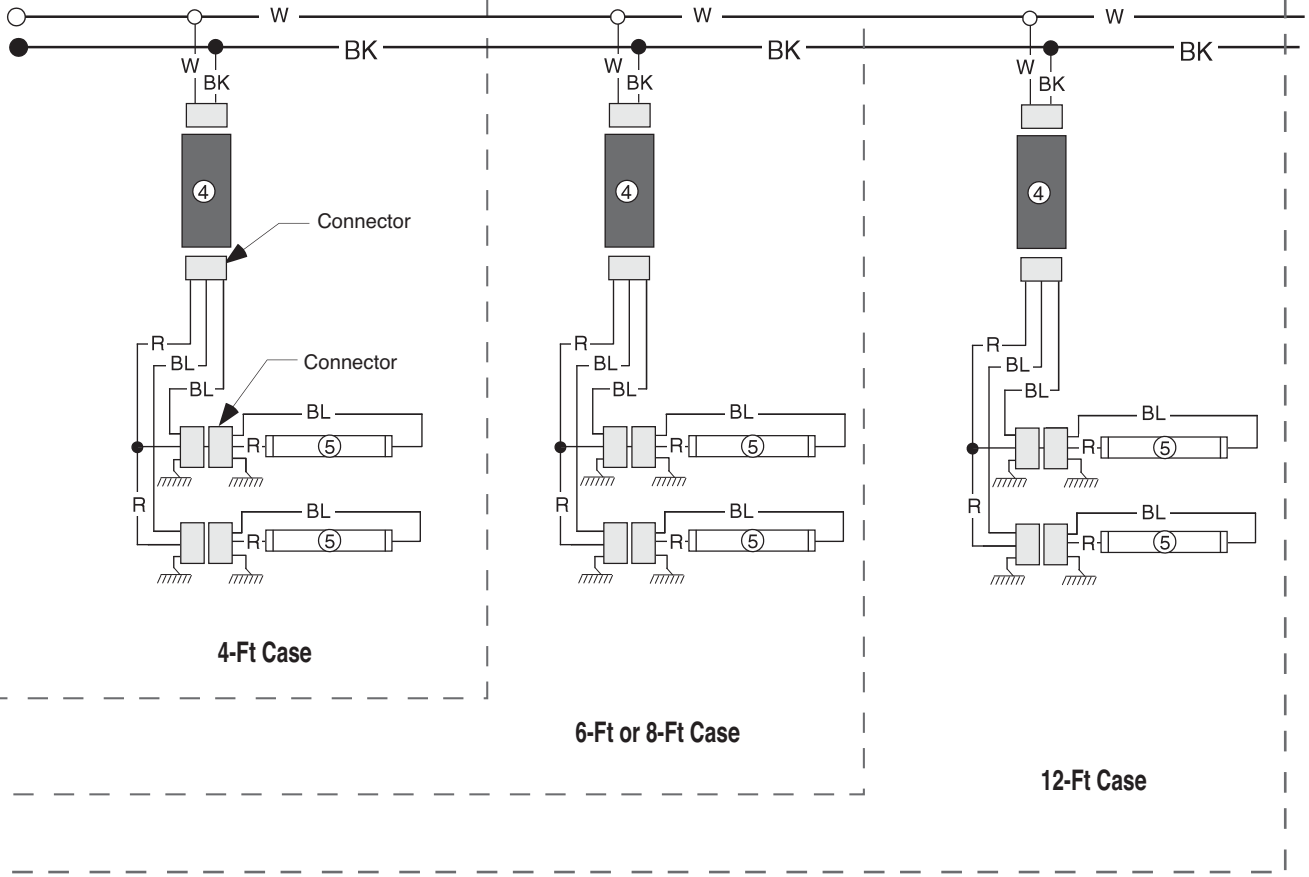
All components must have mechanical ground, and the merchandiser must be grounded.

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

Optional Shelf Lighting Fluorescent Fixtures

Optional Shelf Harness and Fluorescent Light Circuits for Two Rows of Shelves



WARNING

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

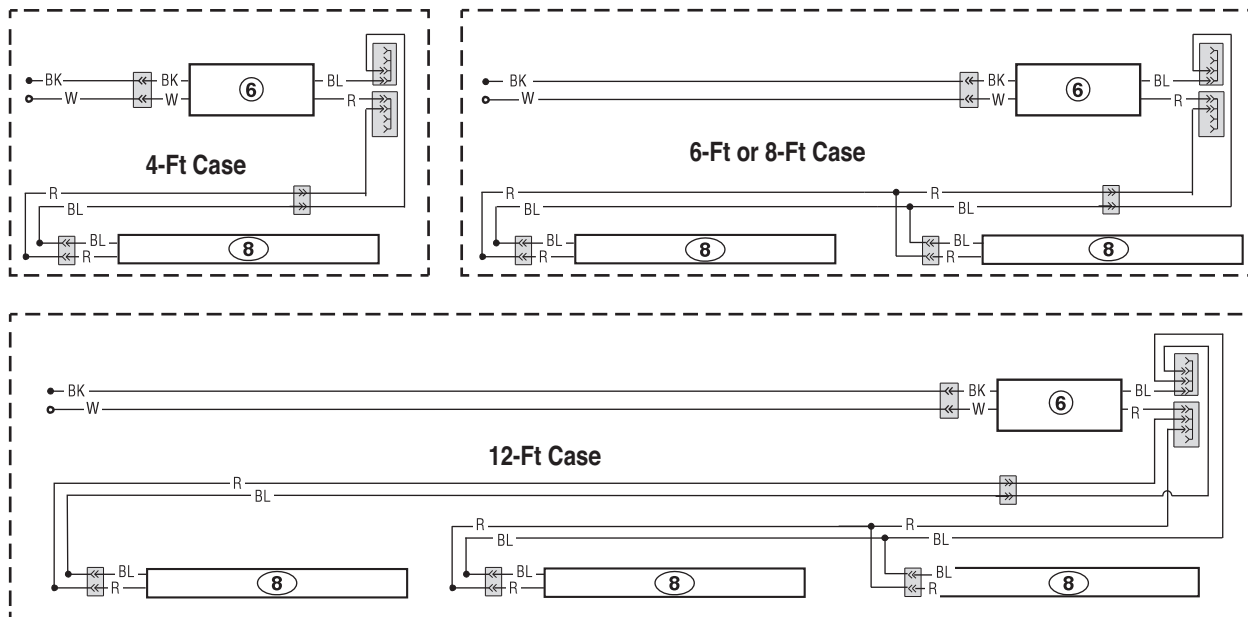
CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

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

Optional Rail Light Circuits — LED Fixtures

EcoShine II LED Rail Lighting – 1 Row



WARNING

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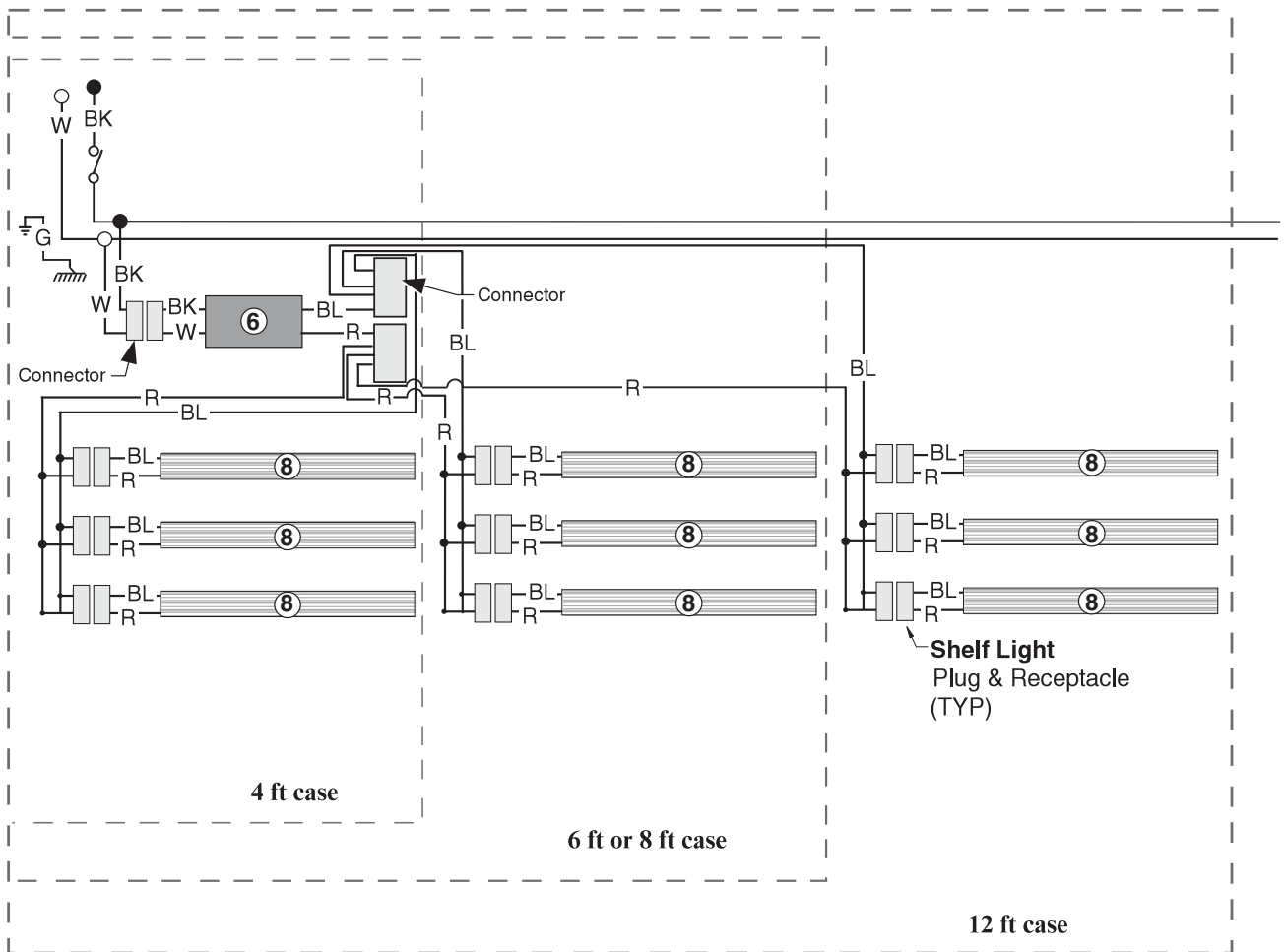
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R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND $\overline{\overline{m}}$ = CASE GROUND

Optional Shelf Lighting LED Fixtures

Optional Shelf Harness and LED Light Circuits for 2 or 3 Rows of Shelves



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
 ● = 70V POWER ○ = 70V NEUTRAL ⚡ = FIELD GROUND mm = CASE GROUND

Excel C2XSC-LP
Dairy/Delicatessen, Meat,
Precut & Packaged Produce

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.

Shelf Angle	Maximum Shelf Depth
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.

