

Date: \_\_\_\_\_ Type: \_\_\_\_\_

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Project: \_\_\_\_\_

## SkyRibbon

### Essential White Wall Grazing Powercore, 3000 K, 10° × 90° spread lens

Recessed linear interior LED wall grazing fixture with solid white light

SkyRibbon Essential White Wall Grazing Powercore is a recessed linear interior LED wall grazing fixture offering high-quality, dimmable solid white light in four color temperatures, ranging from warm 2700 K to cool 4000 K. Brilliant light output and industry-leading color consistency make fixtures ideal for a variety of interior wall-grazing applications. Multiple housing options accommodate a number of installation methods.

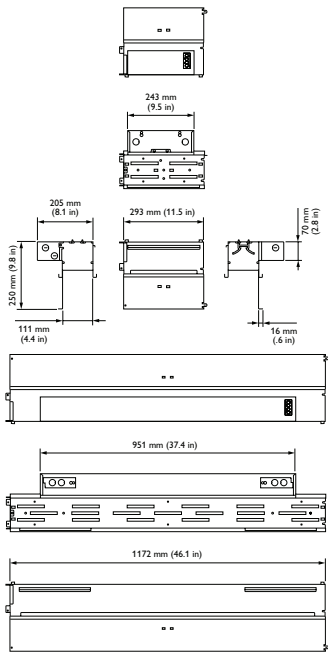
- Four color temperatures — Solid white light LED modules available in 2700 K, 3000 K, 3500 K, and 4000 K color temperatures, supporting a broad selection of design objectives.
- High-quality illumination in a variety of beam angles — Native 10° × 10° beam angle. Holographic diffusion lenses offer additional 10° × 60°, 10° × 90°, 30° × 30°, and 30° × 60° beam angle options for design flexibility.
- Multiple housing options for installation and mounting flexibility — T-Bar, Slotted-T, Flanged, and Flangeless housings support numerous installation methods and appearances.
- Flexible configuration — Available in 300 mm (1 ft) and 1200 mm (4 ft) fixture lengths with multiple jumper cables, corners, terminals, and connector options to accommodate nearly any layout.
- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage, eliminating the need for an external power supply.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Optibin advanced binning algorithm — Exceeds the recognized standards for color quality to guarantee uniformity and color consistency across LED sources, fixtures, and manufacturing runs.
- Three voltage options — Available 120 VAC, 220 – 240 VAC, and 277 VAC fixtures ensure consistent operation worldwide.

For detailed product information, please refer to SkyRibbon Essential White Wall Grazing Powercore Product Guide at [www.philipscolorkinetics.com/ls/ew/skyribbon-wall-grazing/](http://www.philipscolorkinetics.com/ls/ew/skyribbon-wall-grazing/)

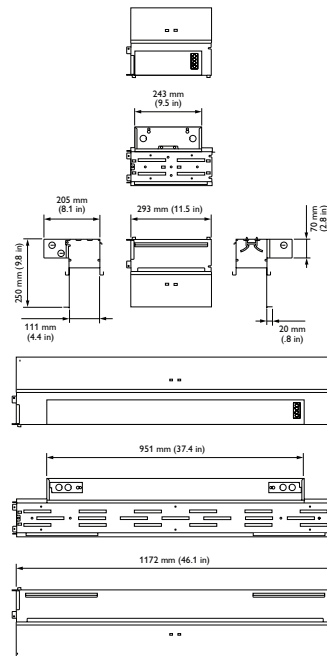
# PHILIPS

# CE Dimensional Diagrams

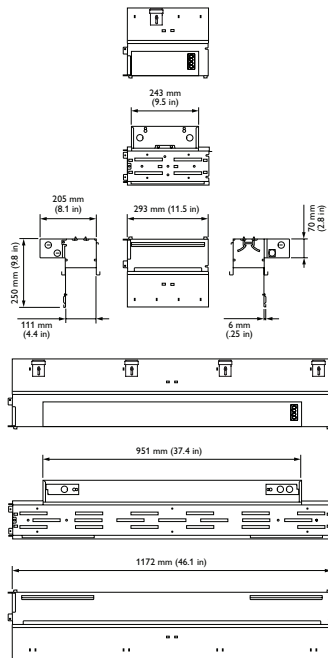
## SkyRibbon Wall Grazing Powercore Flanged Housing, 220 – 240 VAC



## SkyRibbon Wall Grazing Powercore Flangeless Housing, 220 – 240 VAC

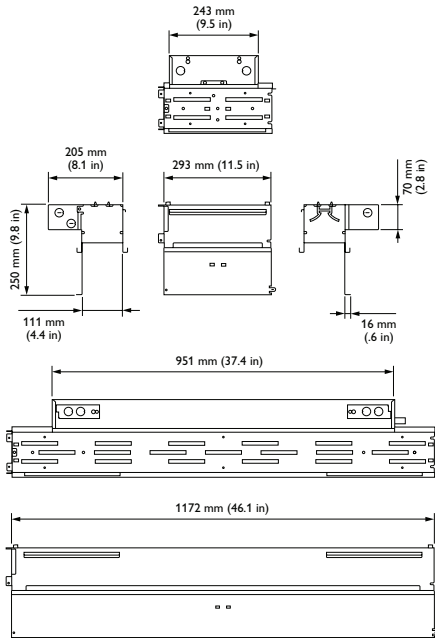


## SkyRibbon Wall Grazing Powercore T-Bar / Slotted-T Housing, 220 – 240 VAC

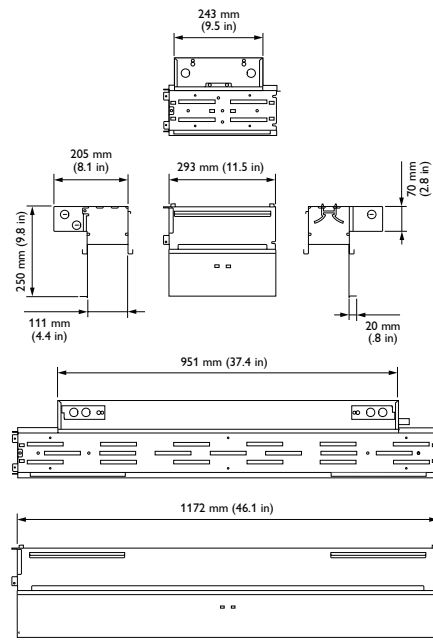


# UL Dimensional Diagrams

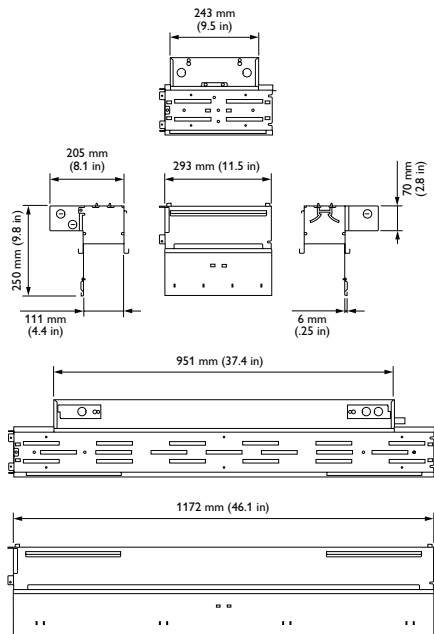
## SkyRibbon Wall Grazing Powercore Flanged Housing, 120 / 277 VAC



## SkyRibbon Wall Grazing Powercore Flangeless Housing, 120 / 277 VAC



## SkyRibbon Wall Grazing Powercore T-Bar / Slotted-T Housing, 120 / 277 VAC

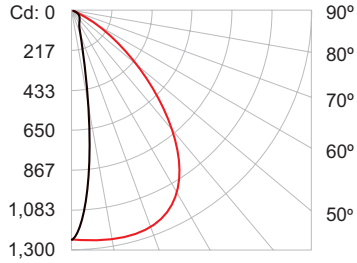


# Photometrics / SkyRibbon Essential White Wall Grazing Powercore, 3000 K, 10° x 90° spread lens, .3 m (1 ft)

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.philipscolorkinetics.com/support/ies](http://www.philipscolorkinetics.com/support/ies).

Lumens	Efficacy
821	51.2 lm / W

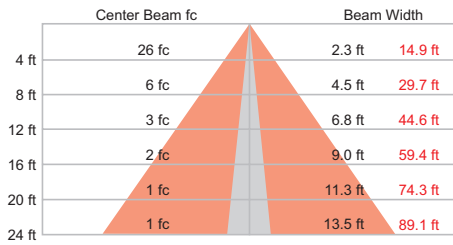
## Polar Candela Distribution



VA: 0° 10° 20° 30° 40°  
 ■ - 0° H      ■ - 90° H

	0	25	45	70	90
0	1622	1622	1622	1622	1622
5	1577	1562	1550	1533	1516
15	1083	1049	1024	989	956
25	492	476	462	416	391
35	181	176	171	153	137
45	102	99	95	88	75
55	77	75	71	63	50
65	59	56	52	42	31
75	34	34	33	25	14
85	25	23	19	11	2
90	24	22	18	9	1

## Illuminance at Distance



35.5 ft (10.8 m)      ■ Vert. Spread: 18.2°  
 1 fc maximum distance      ■ Horiz. Spread: 93.2°

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80	70	50	30	10	0													
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0				
RCR:	0	119	119	119	119	116	116	116	99	110	110	110	105	105	105	101	101	101	99
	1	111	108	105	102	109	106	103	89	101	99	97	97	95	94	94	92	91	89
	2	104	98	93	89	102	96	92	81	93	89	86	83	81	80	86	84	82	80
	3	98	90	84	79	95	88	83	73	85	81	77	75	73	75	80	77	74	72
	4	92	83	76	71	90	81	75	67	79	73	69	77	72	68	74	70	67	65
	5	86	76	69	64	84	75	69	61	73	67	63	71	66	62	69	65	62	60
	6	81	71	64	59	80	70	63	57	68	62	58	67	61	57	65	60	57	55
	7	77	66	59	54	75	65	59	53	64	58	54	62	57	53	61	56	53	51
	8	73	62	55	50	71	61	55	49	60	54	50	59	53	50	58	53	49	48
	9	69	58	51	47	68	58	51	46	56	51	47	55	50	46	54	50	46	45
	10	66	55	48	44	64	54	48	43	53	48	44	52	47	44	52	47	43	42

## Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	748.3	91.1 %
60 - 90	62.2	7.6 %
0 - 90	810.5	98.7 %
90 - 180	10.8	1.3 %
0 - 180	821.3	100 %

For lux multiply fc by 10.7

# Specifications / SkyRibbon Essential White Wall Grazing Powercore, 3000 K, 10° x 90° spread lens, .3 (1 ft)

Due to continuous improvements and innovations, specifications may change without notice

Item	Specification	Details
Output	Lumens*	821
	Efficacy (lm / W)	51.2
	CRI	84
	Power Factor	.99 @ 120 VAC
	Color Temperature†	3000 K
	Lumen Maintenance‡	76,000 hours L70 @ 25° C 50,000 hours L70 @ 40° C 100,000 hours L50 @ 25° C 80,000 hours L50 @ 40° C
Electrical	Input Voltage	120 VAC, 220 – 240 VAC, 277 VAC, 50 / 60 Hz
	Power Consumption	16 W (0.3 m / 1ft 120 VAC) 60 W (1.2 m / 4ft 120 VAC) 17 W (0.3 m / 1ft 220 – 240 / 277 VAC) 60 W (1.2 m / 4ft 220 – 240 / 277 VAC)
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Housing Material	Steel, white powder-coated finish
	Lens	Polycarbonate
	Fixture Connections	178 mm (7 in) flying leads, integral male / female connectors (120 / 277 VAC) Wieland integral male / female connectors (220 – 240 VAC)
	Temperature Ranges	-20° – 40° C (-4° – 104° F) Operating -20° – 40° C (-4° – 104° F) Startup -40° – 80° C (-40° – 176° F) Storage
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from <a href="http://www.philipscolorkinetics.com/support/install_tool/">www.philipscolorkinetics.com/support/install_tool/</a>
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certification	UL / cUL, FCC Class A, CE
	Environment	Dry / Damp Location, IP20

\* Lumen measurement complies with IES LM-79-08 testing procedures.

† Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

‡ L70 = 70% lumen maintenance (when light output drops below 70% of initial output).

L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to [www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf](http://www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf) for more information.

§ Refer to [www.philipscolorkinetics.com/support/appnotes/](http://www.philipscolorkinetics.com/support/appnotes/) for specific details.



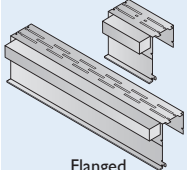
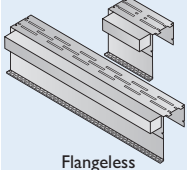
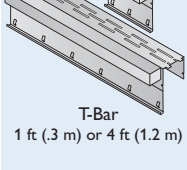
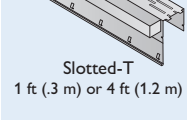
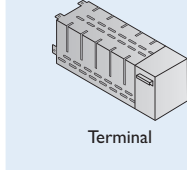
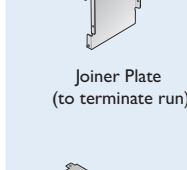
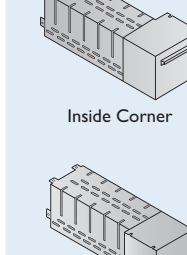
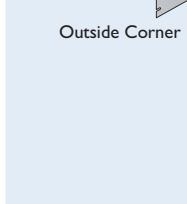
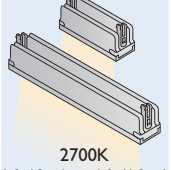
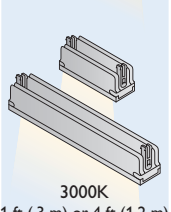
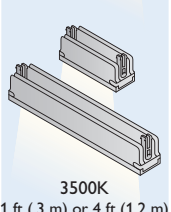
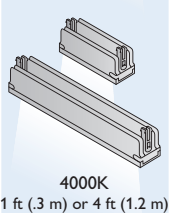
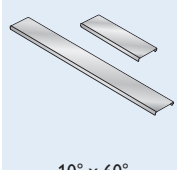
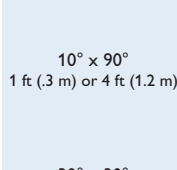
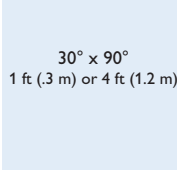
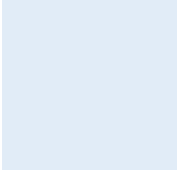
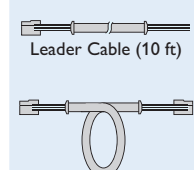
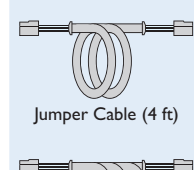
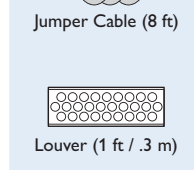
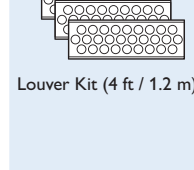
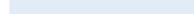
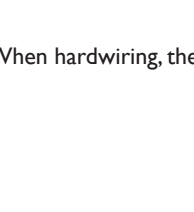
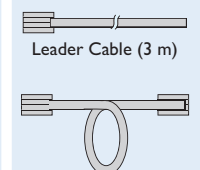
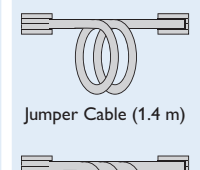
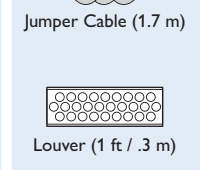
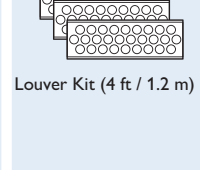
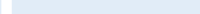
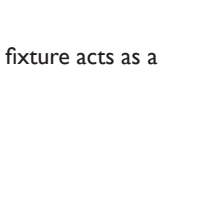
## Dimensions and Weight

Fixture	Physical Characteristics	T-Bar / Slotted-T	Flanged	Flangeless
.3 m (1 ft)	Housing Dimensions <i>Height x Width x Depth</i>	251 x 293 x 205 mm (9.9 x 11.5 x 8.1 in)	251 x 293 x 205 mm (9.9 x 11.5 x 8.1 in)	251 x 293 x 205 mm (9.9 x 11.5 x 8.1 in)
	Assembled Weight†	3.3 kg (7.3 lbs)	3.3 kg (7.3 lbs)	3.3 kg (7.3 lbs)
1.2 m (4 ft)	Housing Dimensions <i>Height x Width x Depth</i>	251 x 1172 x 205 mm (9.9 x 46.1 x 8.1 in)	251 x 1172 x 205 mm (9.9 x 46.1 x 8.1 in)	251 x 1172 x 205 mm (9.9 x 46.1 x 8.1 in)
	Assembled Weight†	10.5 kg (23.1 lb)	10.5 kg (23.1 lb)	10.5 kg (23.1 lb)

† Assembled weight includes fixture housing and LED module.

# Product Selection

To order a complete SkyRibbon Essential White Wall Grazing Powercore fixture, choose a housing (voltage, length, and type), an LED module, a spread lens, a Leader Cable, and optional Jumper Cables and louvers.

1 Choose housing type	2 Choose terminal housing and optional corners	3 Choose LED Module	4 Choose optional spread lens	5 Choose optional accessories		
<div data-bbox="131 346 316 598"> <p><b>120 VAC or 277 VAC</b></p>  <p>Flanged 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="131 619 316 871">  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="131 892 316 1144">  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="131 1165 316 1283">  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="534 346 768 556"> <p><b>220 – 240 VAC</b></p>  <p>Flanged 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 577 768 787">  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 808 768 1060">  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 1081 768 1283">  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="774 346 943 556">  <p>Terminal</p> </div> <div data-bbox="774 577 943 787">  <p>Joiner Plate (to terminate run)</p> </div> <div data-bbox="774 808 943 1018">  <p>Inside Corner</p> </div> <div data-bbox="774 1039 943 1249">  <p>Outside Corner</p> </div>	<div data-bbox="950 346 1125 556">  <p>2700K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="950 577 1125 787">  <p>3000K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="950 808 1125 1018">  <p>3500K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="950 1039 1125 1249">  <p>4000K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="1131 346 1323 556"> <p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p> </div> <div data-bbox="1131 577 1323 787">  <p>Jumper Cable (1 ft)</p> </div> <div data-bbox="1131 808 1323 1018">  <p>Jumper Cable (4 ft)</p> </div> <div data-bbox="1131 1039 1323 1249">  <p>Jumper Cable (8 ft)</p> </div> <div data-bbox="1131 1270 1323 1283">  <p>Louver (1 ft / .3 m)</p> </div> <div data-bbox="1131 1312 1323 1522">  <p>Louver Kit (4 ft / 1.2 m)</p> </div>		<div data-bbox="1330 346 1528 556"> <p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p> </div> <div data-bbox="1330 577 1528 787">  <p>Jumper Cable (0.9 m)</p> </div> <div data-bbox="1330 808 1528 1018">  <p>Jumper Cable (1.4 m)</p> </div> <div data-bbox="1330 1039 1528 1249">  <p>Jumper Cable (1.7 m)</p> </div> <div data-bbox="1330 1270 1528 1283">  <p>Louver (1 ft / .3 m)</p> </div> <div data-bbox="1330 1312 1528 1522">  <p>Louver Kit (4 ft / 1.2 m)</p> </div>

For 220—240 VAC installations, you must use leader and jumper cables.

For 120 / 277 VAC installations, you can either use leader and jumper cables or hardwire the fixtures. When hardwiring, the fixture acts as a junction box.

## Housing and Terminal Options

Item	Style	Length	Voltage	Item Number	Philips 12NC
Housing	Flanged	300 mm	220–240 VAC	172-000073-27	910503704343
		1200 mm	220–240 VAC	172-000073-25	910503704341
		1 ft	120 / 277 VAC	172-000073-04	910503704174
		4 ft	120 VAC	172-000073-01	910503704171
	277 VAC		172-000073-13	910503704329	
	Flangeless	300 mm	220–240 VAC	172-000073-41	910503705012
		1200 mm	220–240 VAC	172-000073-43	910503705014
		1 ft	120 / 277 VAC	172-000073-05	910503704321
		4 ft	120 VAC	172-000073-02	910503704172
	277 VAC		172-000073-14	910503704330	
	T-Bar / Slotted-T	300 mm	220–240 VAC	172-000073-26	910503704342
		1200 mm	220–240 VAC	172-000073-24	910503704340
1 ft		120 / 277 VAC	172-000073-03	910503704173	
4 ft		120 VAC	172-000073-00	910503704170	
	277 VAC	172-000073-12	910503704328		
Inside 90° Corner	Flanged		172-000073-33	910503704357	
	Flangeless		172-000073-34	910503704358	
	T-Bar / Slotted-T		172-000073-32	910503704356	
Outside 90° Corner	Flanged		172-000073-36	910503704360	
	Flangeless		172-000073-37	910503704361	
	T-Bar / Slotted-T		172-000073-35	910503704359	
Terminal Housing	Flanged		172-000073-39	910503704989	
	Flangeless		172-000073-40	910503704990	
	T-Bar / Slotted-T		172-000073-38	910503704988	
Joiner Plate	Compatible with All Housing Versions			172-000073-63	912400133612

Use Item Number when ordering in North America.

## LED Modules, Spread Lenses, and Louvers

Item	Length	Details	Item Number	Philips 12NC
LED Modules	.3 m / 1 ft	2700 K	523-000073-00	910503702652
	.3 m / 1 ft	3000 K	523-000073-02	910503702654
	.3 m / 1 ft	3500 K	523-000073-04	910503702656
	.3 m / 1 ft	4000 K	523-000073-06	910503702658
	1.2 m / 4 ft	2700 K	523-000073-01	910503702653
	1.2 m / 4 ft	3000 K	523-000073-03	910503702655
	1.2 m / 4 ft	3500 K	523-000073-05	910503702657
	1.2 m / 4 ft	4000 K	523-000073-07	910503702659
Spread Lens	.3 m / 1 ft	10° x 60°	120-000173-02	910503704574
	.3 m / 1 ft	10° x 90°	120-000173-01	910503704573
	.3 m / 1 ft	30° x 30°	120-000173-03	910503704575
	.3 m / 1 ft	30° x 60°	120-000173-04	910503704576
	1.2 m / 4 ft	10° x 60°	120-000173-07	910503704579
	1.2 m / 4 ft	10° x 90°	120-000173-14	912400130391
	1.2 m / 4 ft	30° x 30°	120-000173-08	910503704580
	1.2 m / 4 ft	30° x 60°	120-000173-09	910503704581
Louver	.3 m / 1 ft		120-000173-05	910503704577
	1.2 m / 4 ft		120-000173-13	910503705054

Use Item Number when ordering in North America.

## Leader and Jumper Cables

Item	Length	Voltage	Item Number	Philips 12NC
Leader Cable	10 ft	120 / 277 VAC	108-000072-03	910503703135
	3 m	220–240 VAC	108-000072-13	910503705047
Jumper Cable	1 ft	120 / 277 VAC	108-000072-00	910503702835
	4 ft	120 / 277 VAC	108-000072-01	910503702836
	8 ft	120 / 277 VAC	108-000072-02	910503702837
	0.9 m	220–240 VAC	108-000072-15	910503705049
	1.4 m	220–240 VAC	108-000072-16	910503705050
	1.7 m	220–240 VAC	108-000072-17	910503705051

Use Item Number when ordering in North America.





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