



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

Firm Name: \_\_\_\_\_

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

## SkyRibbon

### Essential White Wall Washing Powercore, 3500 K, 35° × 105° spread lens

Recessed linear interior LED wall washing fixture with solid white light

SkyRibbon Essential White Wall Washing Powercore is a recessed linear interior LED wall washing 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-washing applications. Users can rotate LED modules up to 90° to evenly wash walls top to bottom regardless of fixture setback. Multiple housing options accommodate a number of installation methods.

- Four color temperatures — Solid white light LED modules are 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 20° × 20° beam angle. Holographic diffusion lenses offer additional 30° × 30°, 30° × 60°, 35° × 105°, 40° × 80°, 65° × 65°, 70° × 95°, and 90° × 90° 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.
- 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.

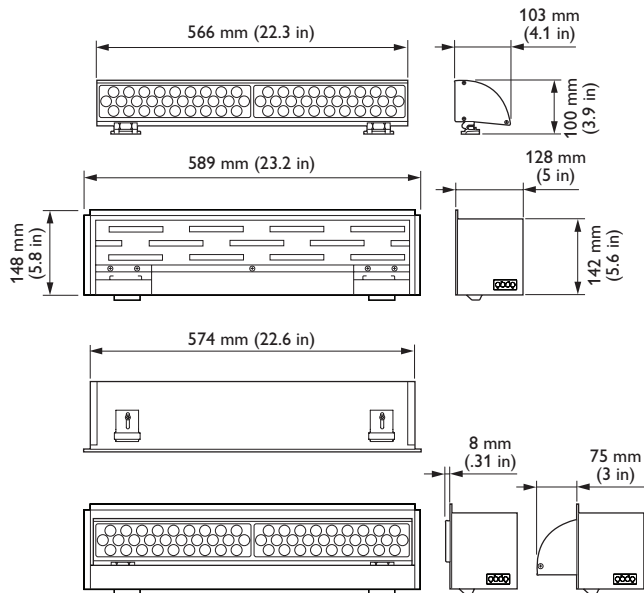
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Optibin advanced binning algorithm — Exceeds the recognized standards for color quality to guarantee uniformity and color consistency across LED sources, fixtures, and manufacturing runs.
- Three voltage options — Available 120 VAC, 220 – 240 VAC, and 277 VAC fixtures ensure consistent operation in a number of major international regions.

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

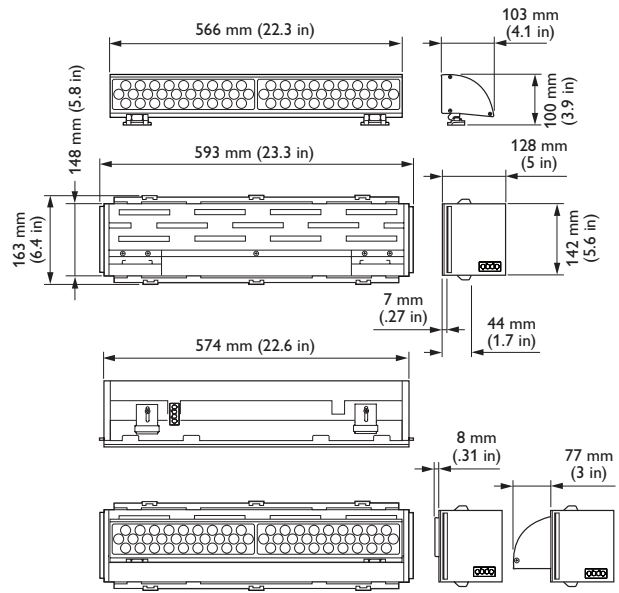
# PHILIPS

# CE Dimensional Diagrams

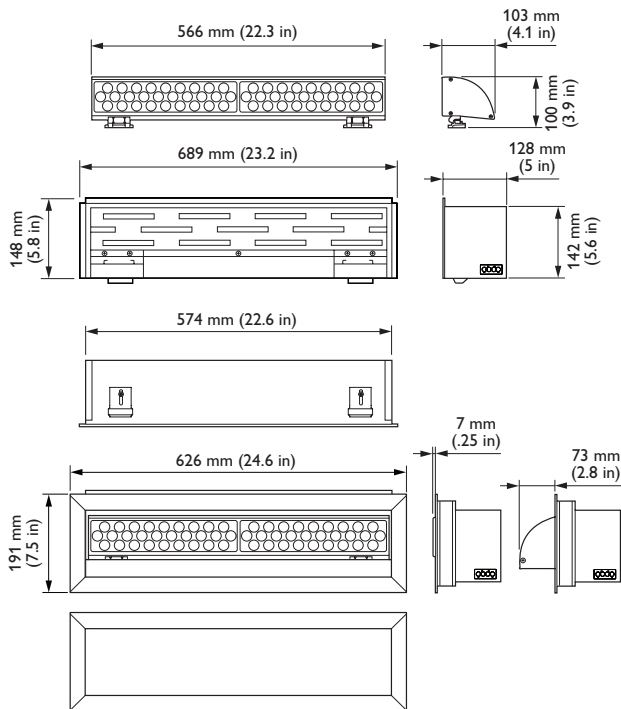
## SkyRibbon Wall Washing Powercore T-Bar Housing, 220 – 240 VAC



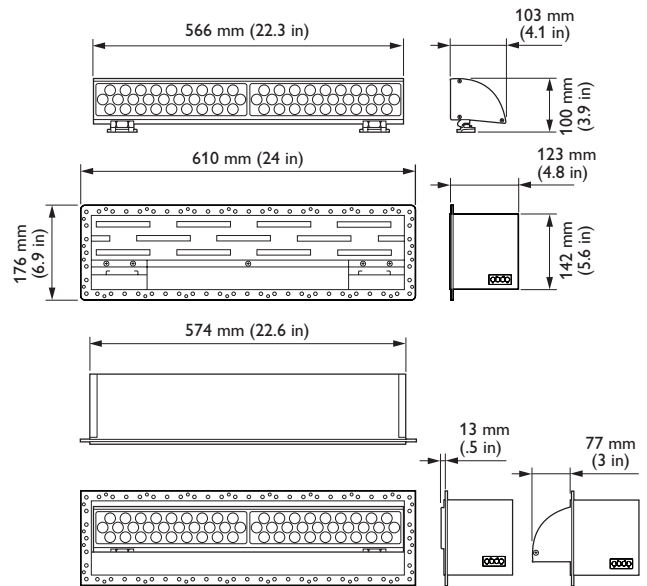
## SkyRibbon Wall Washing Powercore Slotted-T Housing, 220 – 240 VAC



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

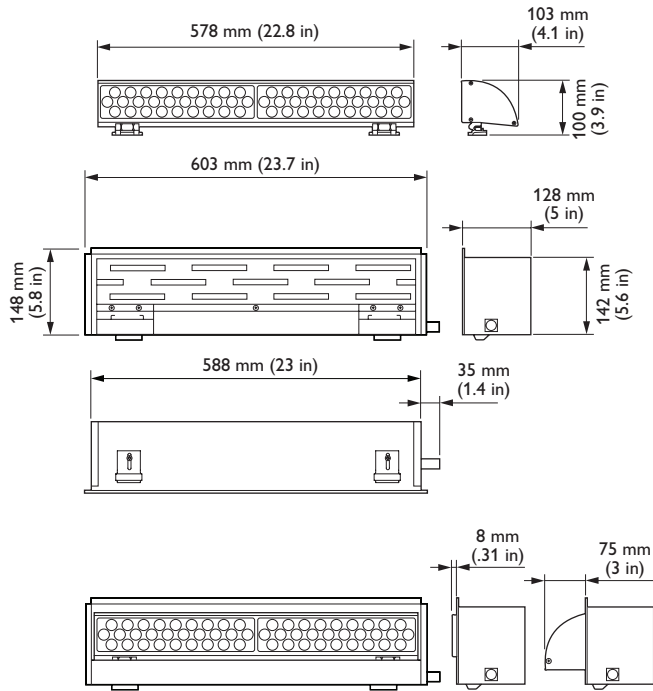


## SkyRibbon Wall Washing Powercore Flangeless Housing, 220 – 240 VAC

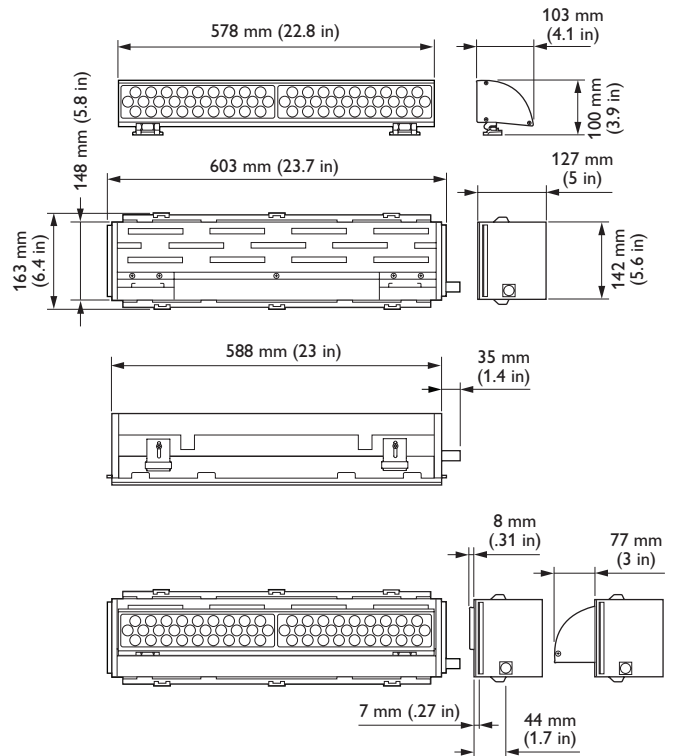


# UL Dimensional Diagrams

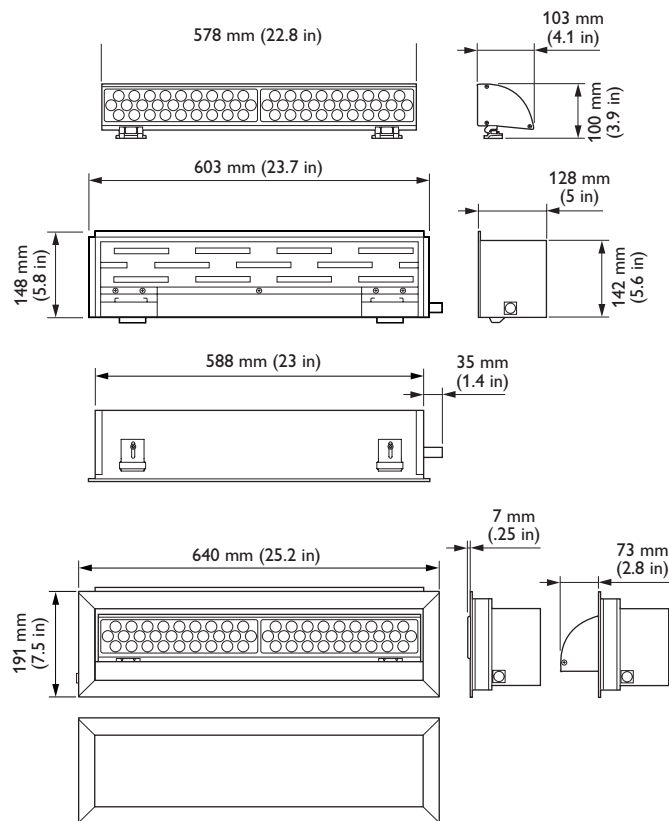
## SkyRibbon Wall Washing Powercore T-Bar Housing, 120 VAC / 277 VAC



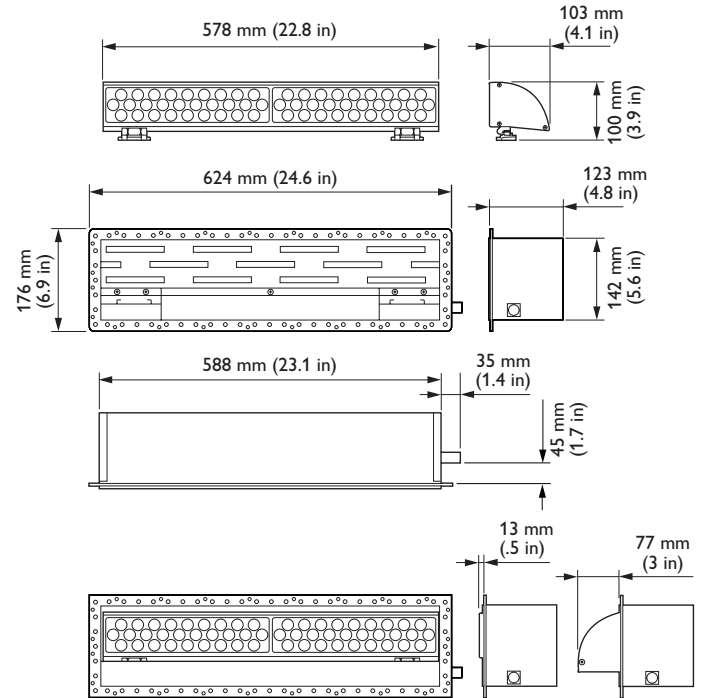
## SkyRibbon Wall Washing Powercore Slotted-T Housing, 120 VAC / 277 VAC



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



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

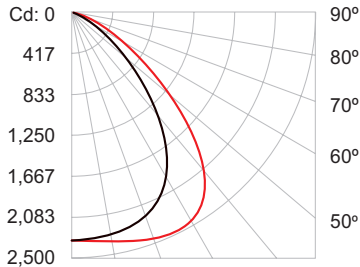


# Photometrics / SkyRibbon Essential White Wall Washing Powercore, 3500 K, 35° x 105° spread lens

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
2943	43.7 lm / W

## Polar Candela Distribution

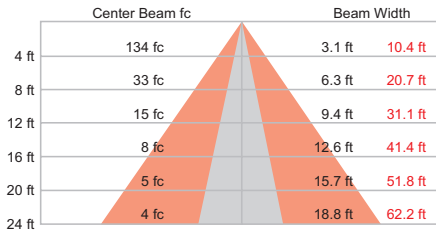


VA: 0° 10° 20° 30° 40°

■ - 0° H      ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	2138	2138	2138	2138	2138
5	2054	2068	2097	2134	2152
15	1527	1609	1833	2101	2229
25	821	947	1342	1947	2292
35	325	410	767	1565	2160
45	116	149	337	991	1675
55	54	64	129	466	945
65	30	34	54	173	363
75	15	16	22	55	104
85	3	3	4	7	13
90	0	0	0	0	0

## Illuminance at Distance



45 ft (12.2 m)  
1 fc maximum distance  
■ Vert. Spread: 42.8°  
■ Horiz. Spread: 104.7°

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	74	68	78	72	68	76	71	67	74	69	66	64
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

## Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1387	47.1
0- 40	2021	68.7
0- 60	2769	94.1
0- 90	2943	100.0
90-180	0	0.0
0-180	2943	100.0

For lux multiply fc by 10.7

# Specifications / SkyRibbon Essential White Wall Washing Powercore, 3500 K, 35° × 105° spread lens

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

Item	Specification	Details
Output	Lumens*	2943
	Efficacy (lm / W)	43.7
	CRI	86
	Power Factor	.992 @ 120 VAC
	Color Temperature†	3500 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	70 W maximum at full output, steady state
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Housing Material	Steel, white powder-coated finish
	Lens	Polycarbonate
	Fixture Connections	7 in (178 mm) flying leads, integral male / female connectors (120 / 277 VAC) Wieland integral male / female connectors (220 – 240 VAC)
	Temperature Ranges	-4° – 104° F (-20° – 40° C) Operating -4° – 104° F (-20° – 40° C) Startup -40° – 176° F (-40° – 80° C) 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, CE, FCC Class A
	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.



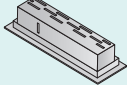
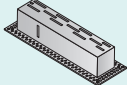
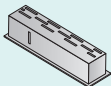
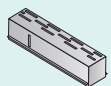
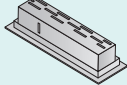
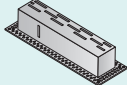
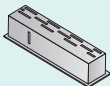
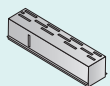




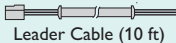
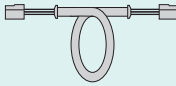
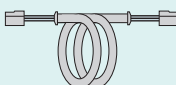
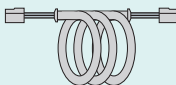
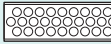
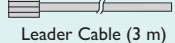
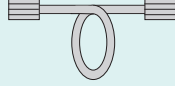
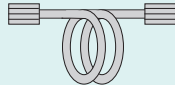
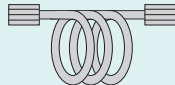
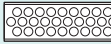
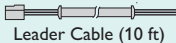
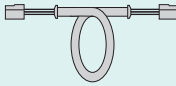
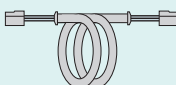
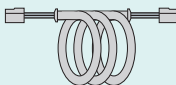
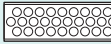
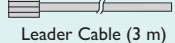
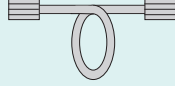
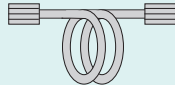
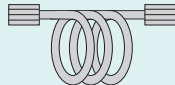
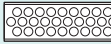
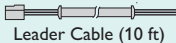
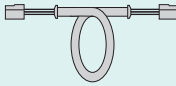
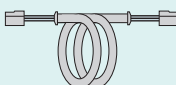
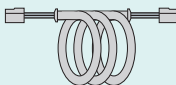
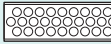
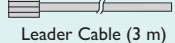
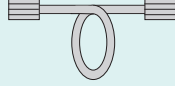
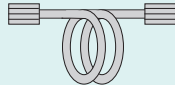
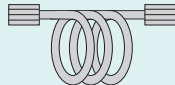
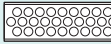
## Dimensions and Weight

Fixture		Flanged	Flangeless	T-Bar	Slotted-T
120 VAC / 277 VAC	Housing Dimensions (Height x Width x Depth)	5.8 x 23.7 x 5 in	6.9 x 24.6 x 4.8 in	5.8 x 23.7 x 5 in	6.4 x 23.7 x 5 in
	Assembled Weight†	10.4 lbs	8.6 lbs	8.6 lbs	8.6 lbs
220 – 240 VAC	Housing Dimensions (Height x Width x Depth)	148 x 689 x 128 mm	176 x 610 x 123 mm	148 x 589 x 128 mm	163 x 593 x 128 mm
	Assembled Weight†	4.7 kg	3.9 kg	3.9 kg	3.9 kg

† Assembled weight includes fixture housing and LED module.

# Product Selection

To order a complete SkyRibbon Essential White Wall Washing 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 LED module	3 Choose optional spread lens	4 Choose accessories		
<p><b>120 VAC or 277 VAC</b></p>  <p>Flanged (2 ft)</p>  <p>Flangeless (2 ft)</p>  <p>T-Bar (2 ft)</p>  <p>Slot-T (2 ft)</p>	<p><b>220 – 240 VAC</b></p>  <p>Flanged (600 mm)</p>  <p>Flangeless (600 mm)</p>  <p>T-Bar (600 mm)</p>  <p>Slot-T (600 mm)</p>	 <p>2700 K 2 ft or 600 mm</p>  <p>3000 K 2 ft or 600 mm</p>  <p>3500 K 2 ft or 600 mm</p>  <p>4000 K 2 ft or 600 mm</p>	<table border="0"> <tr> <td data-bbox="1084 323 1299 930"> <p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p>  <p>Jumper Cable (1 ft)</p>  <p>Jumper Cable (4 ft)</p>  <p>Jumper Cable (8 ft)</p>  <p>Louver (2 ft)</p> </td> <td data-bbox="1308 323 1523 930"> <p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p>  <p>Jumper Cable (0.9 m)</p>  <p>Jumper Cable (1.4 m)</p>  <p>Jumper Cable (1.7 m)</p>  <p>Louver (600 m)</p> </td> </tr> </table>	<p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p>  <p>Jumper Cable (1 ft)</p>  <p>Jumper Cable (4 ft)</p>  <p>Jumper Cable (8 ft)</p>  <p>Louver (2 ft)</p>	<p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p>  <p>Jumper Cable (0.9 m)</p>  <p>Jumper Cable (1.4 m)</p>  <p>Jumper Cable (1.7 m)</p>  <p>Louver (600 m)</p>
<p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p>  <p>Jumper Cable (1 ft)</p>  <p>Jumper Cable (4 ft)</p>  <p>Jumper Cable (8 ft)</p>  <p>Louver (2 ft)</p>	<p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p>  <p>Jumper Cable (0.9 m)</p>  <p>Jumper Cable (1.4 m)</p>  <p>Jumper Cable (1.7 m)</p>  <p>Louver (600 m)</p>				
		<p>30° x 30°</p> <p>30° x 60°</p> <p>35° x 105°</p> <p>40° x 80°</p> <p>65° x 65°</p> <p>70° x 95°</p> <p>90° x 90°</p>			

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.

## 2 ft / 120 VAC or 277 VAC

Item	Voltage	Type	Item Number	Philips 12NC
Housings	120 VAC	T-Bar	172-000072-00	910503703213
		Slotted-T	172-000072-12	910503704284
		Flanged (fixture and flange)	172-000072-00 and 120-000172-14	910503703213 and 120-000172-09
		Flangeless	172-000072-01	910503703214
	277 VAC	T-Bar	172-000072-04	910503704245
		Slotted-T	172-000072-14	910503704245
		Flanged (fixture and flange)	172-000072-04 and 120-000172-14	910503704245 and 120-000172-09
		Flangeless	172-000072-05	910503704246

Item	Color Temperature	Item Number	Philips 12NC
LED Modules	2700 K	523-000072-00	910503702648
	3000 K	523-000072-01	910503702649
	3500 K	523-000072-02	910503702650
	4000 K	523-000072-03	910503702651

Item	Beam Angle	Item Number	Philips 12NC
Spread Lenses	30° x 30°	120-000172-01	910503702691
	30° x 60°	120-000172-02	910503702692
	35° x 105°	120-000172-03	910503702693
	40° x 80°	120-000172-04	910503702694
	65° x 65°	120-000172-06	910503702696
	70° x 95°	120-000172-07	910503702697
	90° x 90°	120-000172-08	910503702698

Use Item Number when ordering in North America.

## Product Selection (continued)

Item		Length	Item Number	Philips 12NC
Leader Cable and Accessories	Leader Cable	10 ft	108-000072-03	910503703135
	Jumper Cable	1 ft	108-000072-00	910503702835
		4 ft	108-000072-01	910503702836
		8 ft	108-000072-02	910503702837
	Louver		120-000172-00	910503702690

Use Item Number when ordering in North America.

## 600 mm / 220 – 240 VAC

Item	Type	Item Number	Philips 12NC
Housings	T-Bar	172-000072-08	910503704262
	Slotted-T	172-000072-16	910503704631
	Flanged (fixture and flange)	172-000072-08 and	910503704263 and
		120-000172-10	910503704271
	Flangeless	172-000072-18	910503705010

Item	Color Temperature	Item Number	Philips 12NC
LED Modules	2700 K	523-000072-04	910503704258
	3000 K	523-000072-05	910503704259
	3500 K	523-000072-06	910503704260
	4000 K	523-000072-07	910503704261

Item	Beam Angle	Item Number	Philips 12NC
Spread Lenses	30° x 30°	120-000161-01	910503704213
	30° x 60°	120-000161-02	910503704214
	35° x 105°	120-000161-03	910503704215
	40° x 80°	120-000161-04	910503704216
	65° x 65°	120-000161-06	910503704218
	70° x 95°	120-000161-07	910503704219
	90° x 90°	120-000161-08	910503704220

Item		Length	Item Number	Philips 12NC
Leader Cable and Accessories	Leader Cable	3 m	108-000072-13	910503705047
	Jumper Cable	0.9 m	108-000072-15	910503705049
		1.4 m	108-000072-16	910503705050
		1.7 m	108-000072-17	910503705051
	Louver		120-000161-00	910503704249

Use Item Number when ordering in North America.



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