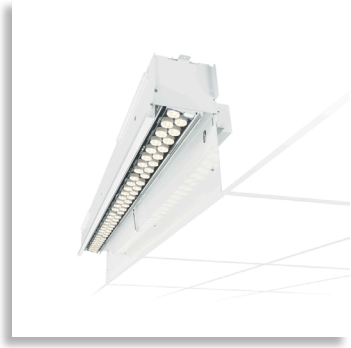


Date: \_\_\_\_\_ Type: \_\_\_\_\_

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

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



## SkyRibbon

### Essential White Wall Grazing Powercore, 2700 K, 30° × 30° 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.

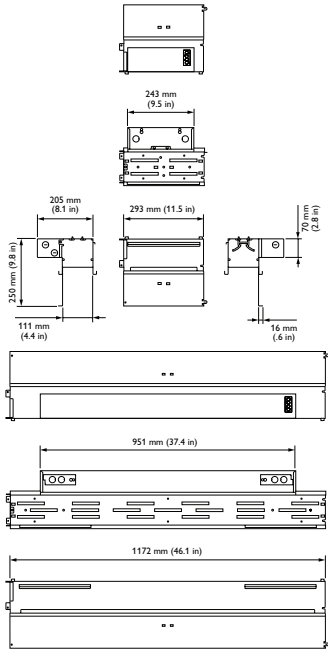
- Four color temperatures — Solid white light LED modules available in 2700 K, 3000 K, 3500 K, and 4000 K color temperatures, supporting a broad selection of design objectives.
- High-quality illumination in a variety of beam angles — Native 10° × 10° beam angle. Holographic diffusion lenses offer additional 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/)

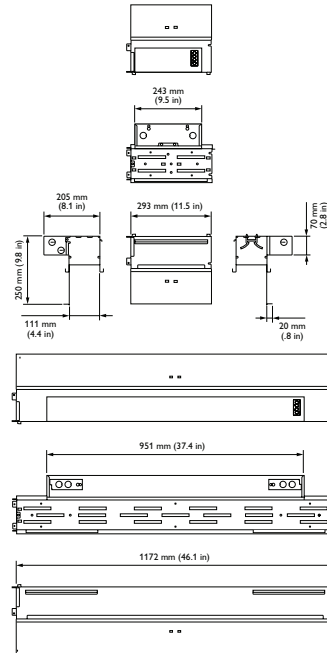
**PHILIPS**

# CE Dimensional Diagrams

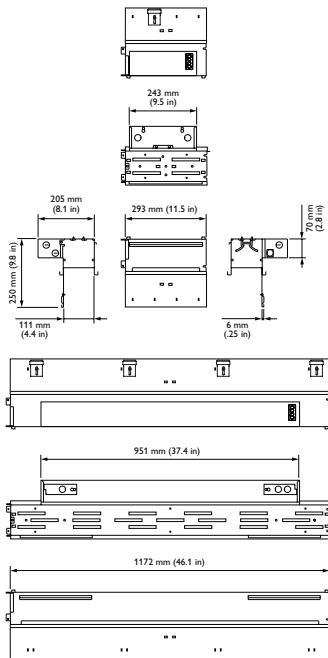
## SkyRibbon Wall Grazing Powercore Flanged Housing, 220 – 240 VAC



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

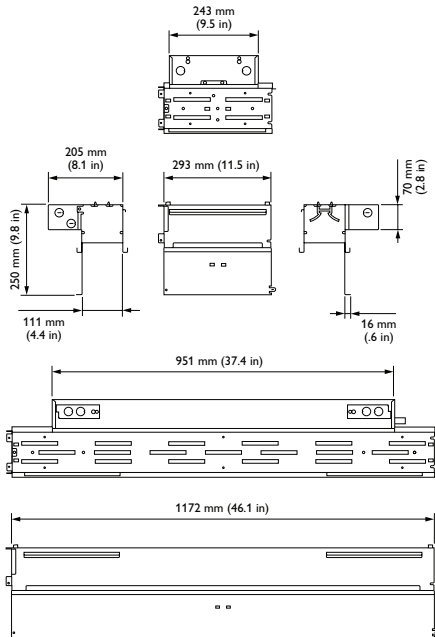


## SkyRibbon Wall Grazing Powercore T-Bar / Slotted-T Housing, 220 – 240 VAC

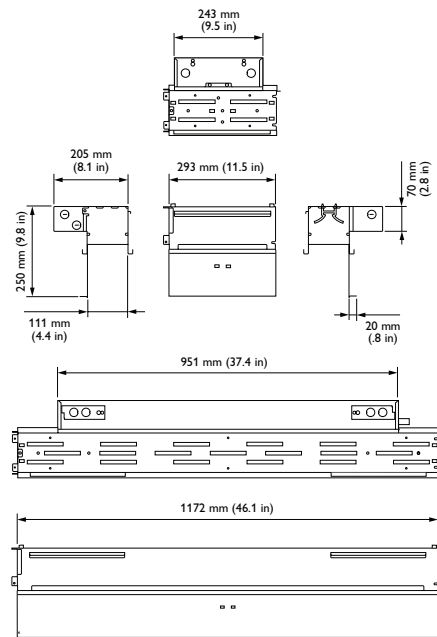


# UL Dimensional Diagrams

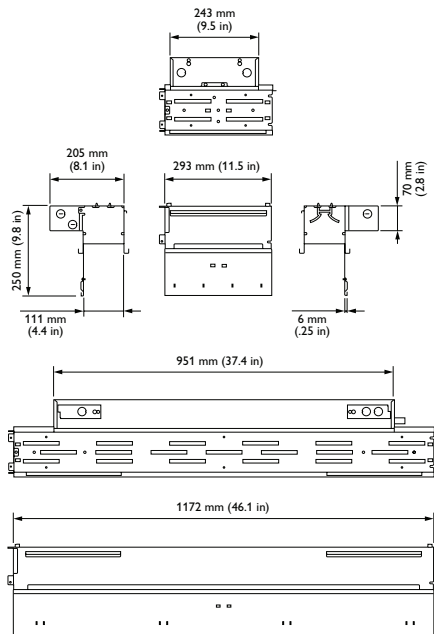
## SkyRibbon Wall Grazing Powercore Flanged Housing, 120 / 277 VAC



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



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

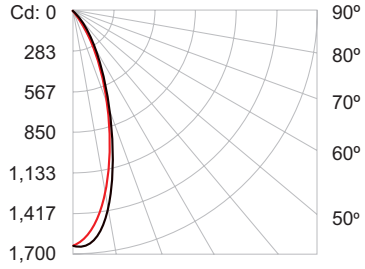


# Photometrics / SkyRibbon Essential White Wall Grazing Powercore, 2700 K, 30° x 30° spread lens, .3 m (1 ft)

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
811	50.0 lm / W

## Polar Candela Distribution



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

	0	25	45	70	90
0	1617	1617	1617	1617	1617
5	1592	1578	1562	1537	1514
15	1110	1095	1057	1014	972
25	478	481	476	440	411
35	170	172	171	161	145
45	90	90	88	85	73
55	67	66	64	59	50
65	49	49	46	40	32
75	25	27	29	23	16
85	18	17	14	9	3
90	17	16	13	7	1

## Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	101 fc	2.5 ft <b>2.6 ft</b>
8 ft	25 fc	5.1 ft <b>5.2 ft</b>
12 ft	11 fc	7.6 ft <b>7.8 ft</b>
16 ft	6 fc	10.1 ft <b>10.4 ft</b>
20 ft	4 fc	12.7 ft <b>13.0 ft</b>
24 ft	3 fc	15.2 ft <b>15.6 ft</b>

40.2 ft (12.3 m)      ■ Vert. Spread: 35.2°  
 1 fc maximum distance      ■ Horiz. Spread: 36.0°

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>	<b>70</b>	<b>60</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>0</b>				
RW %:	70	50	30	0	70	50	30	0			
RCR:	0	1	2	3	4	5	6	7	8	9	10
	119	119	119	119	116	116	116	98	110	110	110
	105	105	105	101	101	101	98	98	97	95	95
	95	94	92	90	87	85	84	89	87	85	84
	85	84	81	85	82	80	78	87	84	81	80
	80	77	74	80	77	74	73	82	79	75	74
	76	73	70	76	73	70	69	78	74	71	70
	73	69	66	73	69	66	65	74	70	67	66
	70	66	63	70	66	63	61	71	67	63	62
	67	63	60	67	63	60	58	68	63	60	58
	64	60	57	64	60	57	56	65	61	57	56
	62	57	55	62	57	55	53	63	58	55	53

## Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	746.8	92.1 %
60 - 90	51.2	6.3 %
0 - 90	798.0	98.4 %
90 - 180	13.2	1.6 %
0 - 180	811.1	100 %

For lux multiply fc by 10.7

# Specifications / SkyRibbon Essential White Wall Grazing Powercore, 2700 K, 30° x 30° spread lens, .3 (1 ft)

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

Item	Specification	Details
Output	Lumens*	811
	Efficacy (lm / W)	50
	CRI	83
	Power Factor	.99 @ 120 VAC
	Color Temperature†	2700 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.



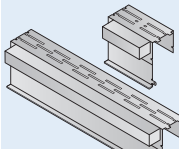
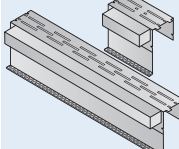
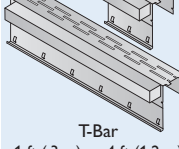
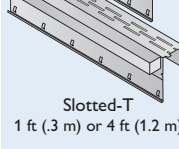
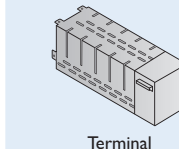
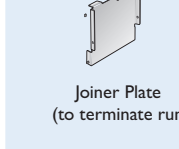
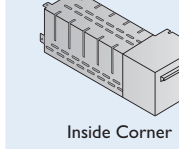
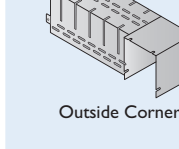
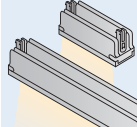
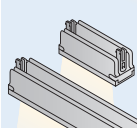
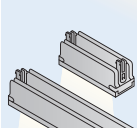
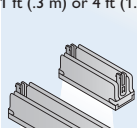
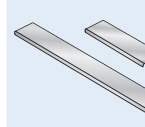
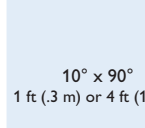
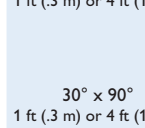
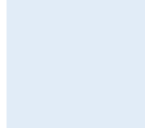
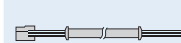
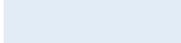


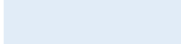
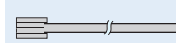
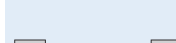


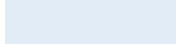
## Dimensions and Weight

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="131 340 324 588"> <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="131 598 324 840">  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="131 850 324 1092">  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="131 1102 324 1285">  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="534 340 768 546"> <p><b>220 – 240 VAC</b></p>  <p>Flanged 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 556 768 756">  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 766 768 966">  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="534 976 768 1285">  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="774 340 938 546">  <p>Terminal</p> </div> <div data-bbox="774 556 938 756">  <p>Joiner Plate (to terminate run)</p> </div> <div data-bbox="774 766 938 966">  <p>Inside Corner</p> </div> <div data-bbox="774 976 938 1176">  <p>Outside Corner</p> </div>	<div data-bbox="945 340 1130 546">  <p>2700K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="945 556 1130 756">  <p>3000K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="945 766 1130 966">  <p>3500K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div> <div data-bbox="945 976 1130 1176">  <p>4000K 1 ft (.3 m) or 4 ft (1.2 m)</p> </div>	<div data-bbox="1135 340 1328 546"> <p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p> </div> <div data-bbox="1135 556 1328 756">  <p>Jumper Cable (1 ft)</p> </div> <div data-bbox="1135 766 1328 966">  <p>Jumper Cable (4 ft)</p> </div> <div data-bbox="1135 976 1328 1176">  <p>Jumper Cable (8 ft)</p> </div> <div data-bbox="1135 1186 1328 1285">  <p>Louver (1 ft / .3 m) Louver Kit (4 ft / 1.2 m)</p> </div> <div data-bbox="1334 340 1524 546"> <p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p> </div> <div data-bbox="1334 556 1524 756">  <p>Jumper Cable (0.9 m)</p> </div> <div data-bbox="1334 766 1524 966">  <p>Jumper Cable (1.4 m)</p> </div> <div data-bbox="1334 976 1524 1176">  <p>Jumper Cable (1.7 m)</p> </div> <div data-bbox="1334 1186 1524 1285">  <p>Louver (1 ft / .3 m) 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.





Philips Color Kinetics  
3 Burlington Woods Drive  
Burlington, Massachusetts 01803 USA  
Tel 888.385.5472  
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