



Date: _____ Type: _____

Firm Name: _____

Project: _____

SkyRibbon

IntelliHue Wall Grazing Powercore, 10° × 90° spread lens

Recessed linear interior LED wall grazing fixture with intelligent white and color light

Introducing SkyRibbon IntelliHue Wall Grazing Powercore, a recessed linear interior LED wall grazing fixture offering high-quality intelligent color and white light from the same fixture. IntelliHue is an advanced approach to color mixing that gives users the ability to precisely target a full spectrum of saturated color and high-quality white light, granting an unprecedented level of design freedom. Brilliant light output and industry-leading controls make fixtures ideal for a variety of interior wall grazing applications. Multiple housing options accommodate a number of installation methods.

- Color-changing and high-quality white light from the same fixture — IntelliHue is an advanced approach to color mixing that enables high-quality intelligent color and white light from a single fixture. Multiple channels of LED light sources combine to produce a full spectrum of precisely controllable light, including millions of saturated colors, pastels, and uniform white light with CRI of greater than 85 in the 2700 K – 4000 K range.
- Tunable white light — Select color temperatures from 2000 K – 10,000 K with CRI greater than 85 in the 2700 K – 4000 K range.
- Purposefully move off the Black Body Curve — Create pastels and shades of white to match hues of other technologies, such as halogen or fluorescent.
- 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.

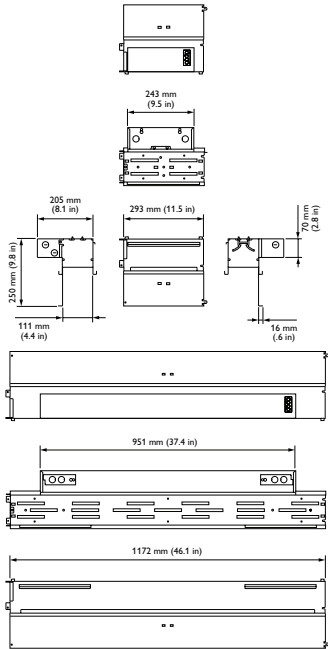
- Flexible configuration — Available in 1 ft and 4 ft fixture lengths with multiple jumper cable, corner terminal, and connector options to accommodate nearly any layout.
- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. Philips Data Enabler Pro merges line voltage and control data and delivers them to fixtures over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Superior color consistency and accuracy — Optibin, an advanced binning algorithm, sets a new standard for the color consistency and uniformity of LED sources used in manufacturing. Chromasync technology achieves unprecedented consistency of light performance and color precision while maximizing intensity and color range. With Chromasync enabled, SkyRibbon IntelliHue Powercore offers color variation of less than 2 MacAdam ellipses (2 SDCM) across multiple fixtures in an installation — imperceptible to the human eye.
- Industry-leading controls — Fixtures work seamlessly with the complete Philips Color Kinetics line of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.
- 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 IntelliHue Wall Grazing Powercore Product Guide at www.philipscolorkinetics.com/ls/intellihue/skyribbon-wall-grazing/

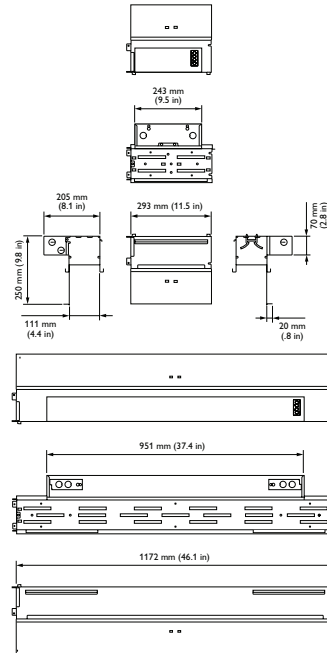
PHILIPS

CE Dimensional Diagrams

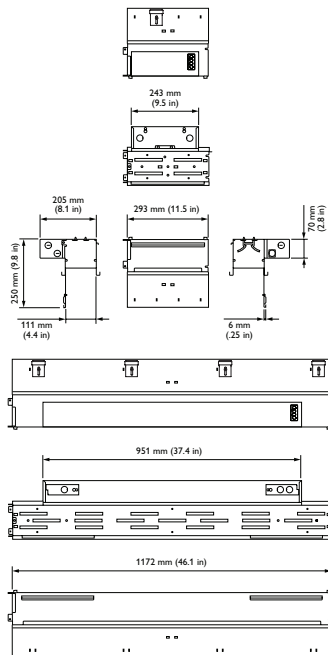
SkyRibbon Wall Grazing Powercore Flanged Housing, 220 – 240 VAC



SkyRibbon Wall Grazing Powercore Flangeless Housing, 220 – 240 VAC

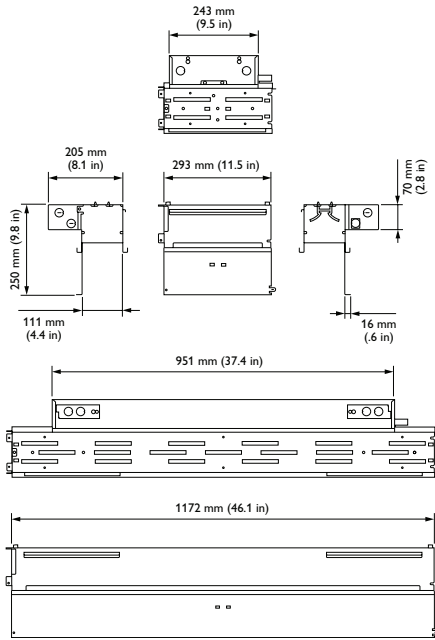


SkyRibbon Wall Grazing Powercore T-Bar / Slotted-T Housing, 220 – 240 VAC

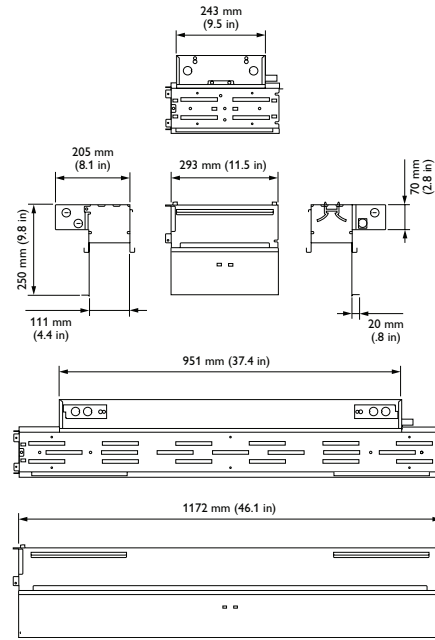


UL Dimensional Diagrams

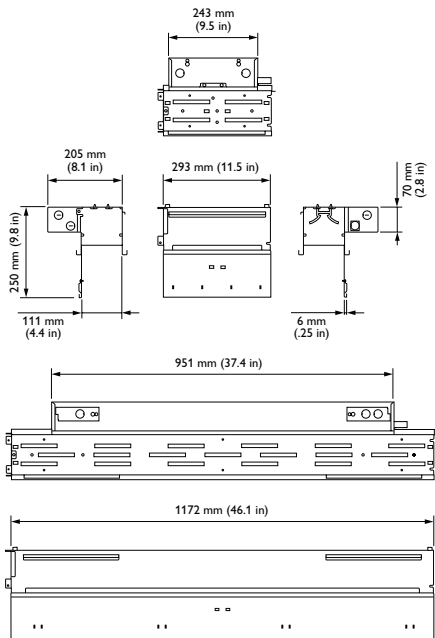
SkyRibbon Wall Grazing Powercore Flanged Housing, 120 VAC / 277 VAC



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



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



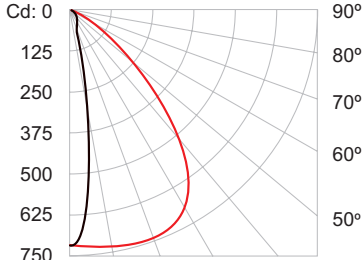
Photometrics / SkyRibbon IntelliHue Wall Grazing Powercore, 10° × 90° spread lens

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

RGB channels only, full on

Lumens	Efficacy
439	24.2 lm / W

Polar Candela Distribution



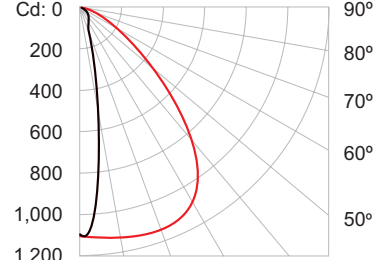
VA: 0° 10° 20° 30° 40°
 ■ - 0° H ■ - 90° H

	0	25	45	70	90
0	717	717	717	717	717
5	613	624	661	710	722
15	134	169	286	598	742
25	56	60	90	393	733
35	45	47	54	201	631
45	34	38	44	93	427
55	25	29	36	50	195
65	18	20	27	31	59
75	12	13	17	18	20
--	-	-	-	-	-

2700 K

Lumens	Efficacy
687	39.0 lm / W

Polar Candela Distribution



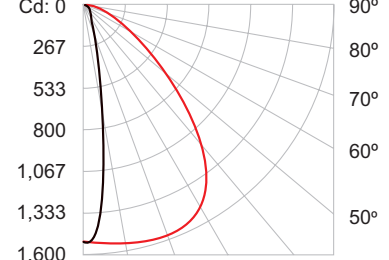
VA: 0° 10° 20° 30° 40°
 ■ - 0° H ■ - 90° H

	0	25	45	70	90
0	1104	1104	1104	1104	1104
5	923	949	1012	1091	1112
15	205	258	435	913	1141
25	88	95	141	599	1128
35	70	74	84	309	980
45	53	60	69	145	670
55	38	44	57	81	307
65	28	32	42	50	93
75	18	20	27	29	31
85	14	13	12	10	6
90	14	13	10	6	1

4000 K

Lumens	Efficacy
957	40.1 lm / W

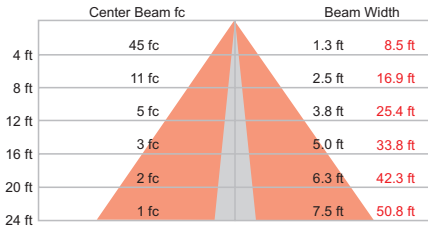
Polar Candela Distribution



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

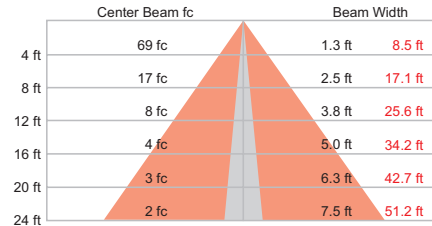
	0	25	45	70	90
0	1533	1533	1533	1533	1533
5	1286	1325	1411	1518	1543
15	294	366	615	1279	1585
25	122	132	198	846	1570
35	97	103	118	438	1364
45	73	83	96	205	934
55	53	61	79	112	429
65	39	44	58	70	131
75	25	28	37	40	43
85	20	18	16	14	9
90	19	17	15	8	1

Illuminance at Distance



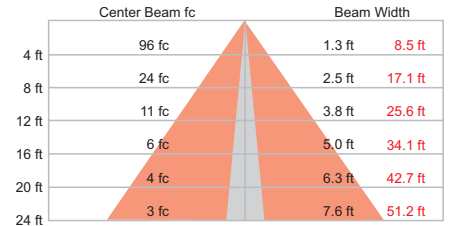
26.8 ft (8.2 m) ■ Vert. Spread: 17.8°
 1 fc maximum distance ■ Horiz. Spread: 93.2°

Illuminance at Distance



33.2 ft (10.1 m) ■ Vert. Spread: 17.8°
 1 fc maximum distance ■ Horiz. Spread: 93.7°

Illuminance at Distance



39.2 ft (11.9 m) ■ Vert. Spread: 17.9°
 1 fc maximum distance ■ Horiz. Spread: 93.7°

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%														
	80					70					50				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0
RCR:	0	119	119	119	116	116	116	99	110	110	110	105	105	105	101
0	1111	108	105	102	109	105	103	89	101	99	97	97	95	94	93
1	104	98	93	89	102	96	92	81	93	89	86	90	86	84	82
2	98	90	84	79	96	88	83	73	85	81	77	83	79	75	80
3	92	83	76	71	90	82	75	67	79	74	70	77	72	69	75
4	87	77	70	65	85	76	69	62	73	68	64	72	67	63	70
5	82	71	64	59	80	70	64	57	69	63	58	67	62	58	65
6	77	67	60	55	76	66	59	53	64	58	54	63	58	54	62
7	73	62	56	51	72	62	55	50	60	55	50	59	54	50	58
8	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55
9	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	4000	910 %
60 - 90	329	75 %
0 - 90	4329	985 %
90 - 180	65	15 %
0 - 180	4394	100 %

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%														
	80					70					50				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0
RCR:	0	119	119	119	116	116	116	99	110	110	110	105	105	105	101
0	1111	108	105	102	109	105	103	89	101	99	97	97	95	94	93
1	104	98	93	89	102	96	92	81	93	89	86	90	86	84	82
2	98	90	84	79	96	88	83	73	85	81	77	83	79	75	80
3	92	83	76	71	90	82	75	67	79	74	69	77	72	68	74
4	87	77	70	65	85	76	69	62	73	68	63	71	66	63	69
5	82	71	64	59	80	70	64	57	69	63	58	67	62	58	65
6	77	66	59	54	75	65	59	53	64	58	54	63	58	54	62
7	73	62	56	51	71	61	55	49	60	54	50	59	54	50	58
8	69	58	52	48	68	58	52	47	57	51	47	56	51	47	55
9	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	624.0	90.8 %
60 - 90	52.3	7.6 %
0 - 90	676.3	98.4 %
90 - 180	10.9	1.6 %
0 - 180	687.3	100 %

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%														
	80					70					50				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0
RCR:	0	119	119	119	116	116	116	99	110	110	110	105	105	105	101
0	1111	108	105	102	109	105	103	89	101	99	97	97	95	94	93
1	104	98	93	89	102	96	92	81	93	89	86	90	86	84	82
2	98	90	84	79	96	88	83	73	85	81	77	83	79	75	80
3	92	83	76	71	90	82	75	67	79	74	69	77	72	68	74
4	87	77	70	65	85	76	69	62	73	68	63	71	66	63	69
5	82	71	64	59	80	70	64	57	69	63	58	67	62	58	65
6	77	66	59	54	75	65	59	53	64	58	54	63	58	54	62
7	73	62	56	51	71	61	55	49	60	54	50	59	54	50	58
8	69	58	52	48	68	58	52	47	57	51	47	56	51	47	55
9	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	868.8	90.8 %
60 - 90	72.5	7.6 %
0 - 90	941.4	98.4 %
90 - 180	15.2	1.6 %
0 - 180	956.5	100 %

For lux multiply fc by 10.7

Specifications / SkyRibbon IntelliHue Wall Grazing Powercore, .3 m (1 ft)

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

Item	Specification	RGB channels only, full on	2700 K*	4000 K*
Output	Beam Angle	10° x 90°		
	Lumens†	439	687	957
	Efficacy (lm / W)	24.2	39.0	40.1
	CRI	—		
	Power Factor	.82 @ 120 VAC	.81 @ 120 VAC	.88 @ 120 VAC
	LED Channels	Red / Green / Blue / Mint White / 4000 K		
	Lumen Maintenance‡	60,000 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	25 W (0.3 m / 1 ft 120 / 277 VAC) 100 W (1.2 m / 4 ft 120 / 277 VAC) 23 W (0.3 m / 1 ft 220 — 240 VAC) 90 W (1.2 m / 4 ft 220 — 240 VAC)		
Control	Interface	Data Enabler Pro (DMX / Ethernet)		
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager and iPlayer 3, or third-party controllers		
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 www.philipscolorkinetics.com/support/install_tool/		
	Humidity	0 – 95%, non-condensing		
Certification and Safety	Certification	UL / cUL, FCC Class A, CE		
	Environment	Dry / Damp Location, IP20		

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

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

‡ 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 for more information.



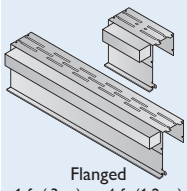
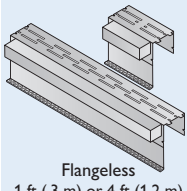
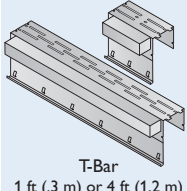
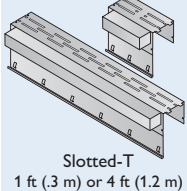
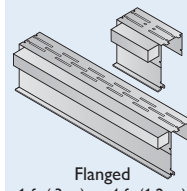
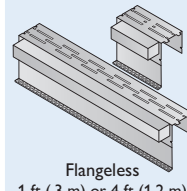
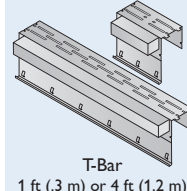
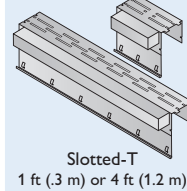
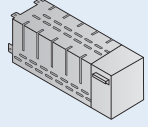

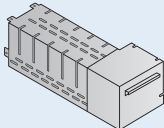
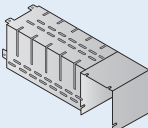
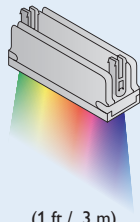
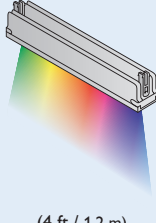
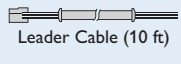
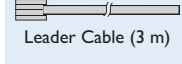
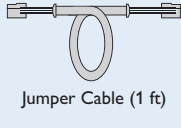
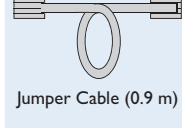
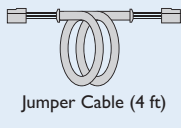
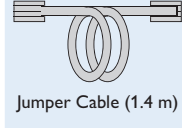
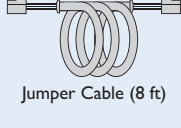
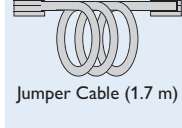
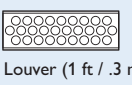
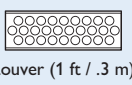
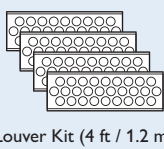
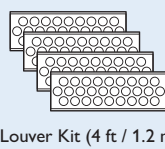
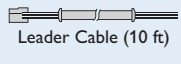
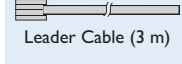
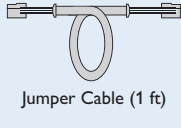
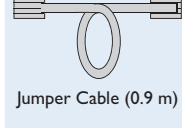
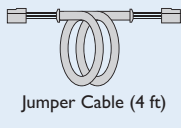
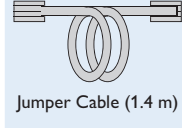
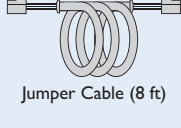
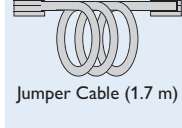
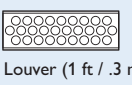
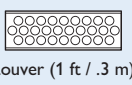
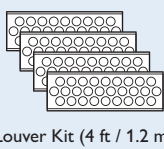
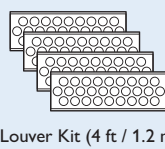
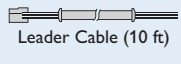
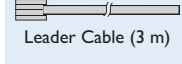
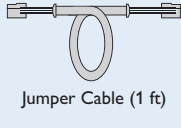
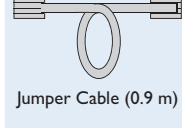
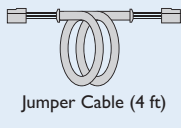
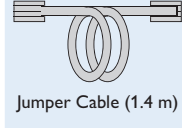
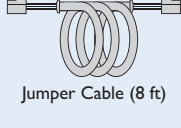
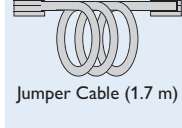
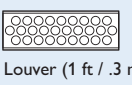
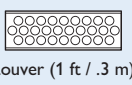
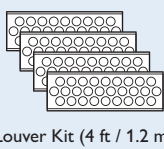
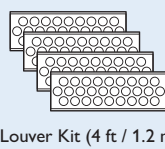
Dimensions and Weight

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†	11.4 kg (25.1 lb)	11.4 kg (25.1 lb)	11.4 kg (25.1 lb)

† Assembled weight includes fixture housing and LED module.

Product Selection

To order a complete SkyRibbon IntelliHue Wall Grazing Powercore fixture, choose a housing (voltage, length, and type), an optional spread lens, an optional accessories.

1 Choose housing type	2 Choose terminal housing and optional corners	3 Choose LED Module	4 Choose optional spread lens	5 Choose accessories															
<p>120 VAC or 277 VAC</p>  <p>Flanged 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p>	<p>220 – 240 VAC</p>  <p>Flanged 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>Flangeless 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>T-Bar 1 ft (.3 m) or 4 ft (1.2 m)</p>  <p>Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)</p>	<p>Terminal</p>  <p>Joiner Plate (to terminate run)</p>  <p>Inside Corner</p>  <p>Outside Corner</p> 	 <p>(1 ft / .3 m)</p>  <p>(4 ft / 1.2 m)</p>	<table border="1"> <thead> <tr> <th>120 VAC / 277 VAC</th> <th>220 – 240 VAC</th> </tr> </thead> <tbody> <tr> <td>  Leader Cable (10 ft) </td> <td>  Leader Cable (3 m) </td> </tr> <tr> <td>  Jumper Cable (1 ft) </td> <td>  Jumper Cable (0.9 m) </td> </tr> <tr> <td>  Jumper Cable (4 ft) </td> <td>  Jumper Cable (1.4 m) </td> </tr> <tr> <td>  Jumper Cable (8 ft) </td> <td>  Jumper Cable (1.7 m) </td> </tr> <tr> <td>  Louver (1 ft / .3 m) </td> <td>  Louver (1 ft / .3 m) </td> </tr> <tr> <td>  Louver Kit (4 ft / 1.2 m) </td> <td>  Louver Kit (4 ft / 1.2 m) </td> </tr> </tbody> </table>		120 VAC / 277 VAC	220 – 240 VAC	 Leader Cable (10 ft)	 Leader Cable (3 m)	 Jumper Cable (1 ft)	 Jumper Cable (0.9 m)	 Jumper Cable (4 ft)	 Jumper Cable (1.4 m)	 Jumper Cable (8 ft)	 Jumper Cable (1.7 m)	 Louver (1 ft / .3 m)	 Louver (1 ft / .3 m)	 Louver Kit (4 ft / 1.2 m)	 Louver Kit (4 ft / 1.2 m)
120 VAC / 277 VAC	220 – 240 VAC																		
 Leader Cable (10 ft)	 Leader Cable (3 m)																		
 Jumper Cable (1 ft)	 Jumper Cable (0.9 m)																		
 Jumper Cable (4 ft)	 Jumper Cable (1.4 m)																		
 Jumper Cable (8 ft)	 Jumper Cable (1.7 m)																		
 Louver (1 ft / .3 m)	 Louver (1 ft / .3 m)																		
 Louver Kit (4 ft / 1.2 m)	 Louver Kit (4 ft / 1.2 m)																		

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	172-000073-31	910503704347
		1200 mm	220–240 VAC	172-000073-29	910503704345
		1 ft	120 VAC	172-000073-10	910503704326
			277 VAC	172-000073-22	910503704338
		4 ft	120 VAC	172-000073-07	910503704323
			277 VAC	172-000073-19	910503704335
	Flangeless	300 mm	220–240 VAC	172-000073-42	910503705013
		1200 mm	220–240 VAC	172-000073-44	910503705015
		1 ft	120 VAC	172-000073-11	910503704327
			277 VAC	172-000073-23	910503704339
		4 ft	120 VAC	172-000073-08	910503704324
			277 VAC	172-000073-20	910503704336
	T-Bar / Slotted-T	300 mm	220–240 VAC	172-000073-30	910503704346
		1200 mm	220–240 VAC	172-000073-28	910503704344
		1 ft	120 VAC	172-000073-09	910503704325
			277 VAC	172-000073-21	910503704337
		4 ft	120 VAC	172-000073-06	910503704322
			277 VAC	172-000073-18	910503704334
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	300 mm / 1 ft	IntelliHue	123-000073-00	910503702669
	1200 mm / 4 ft	IntelliHue	123-000073-01	910503702670
Spread lens	300 mm / 1 ft	10° x 60°	120-000173-02	910503704574
	300 mm / 1 ft	10° x 90°	120-000173-01	910503704573
	300 mm / 1 ft	30° x 30°	120-000173-03	910503704575
	300 mm / 1 ft	30° x 60°	120-000173-04	910503704576
	1200 mm / 4 ft	10° x 60°	120-000173-07	910503704579
	1200 mm / 4 ft	10° x 90°	120-000173-14	912400130391
	1200 mm / 4 ft	30° x 30°	120-000173-08	910503704580
	1200 mm / 4 ft	30° x 60°	120-000173-09	910503704581
Louver	300 mm / 1 ft		120-000173-05	910503704577
	1200 mm / 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	3 m	220–240 VAC	108-000072-14	910503705048
	10 ft	120 / 277 VAC	108-000072-04	910503703985
Jumper Cable	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
	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

Use Item Number when ordering in North America.



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