



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

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

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

## SkyRibbon

### IntelliHue Wall Washing Powercore, 90° × 90° spread lens

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

Introducing SkyRibbon IntelliHue Wall Washing Powercore, a recessed linear interior LED wall washing 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 washing applications. Users can rotate LED modules from 0° to 90° to evenly wash walls top to bottom regardless of fixture setback. 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 20° × 20° beam angle. Holographic diffusion lenses offer additional 30° × 30°, 65° × 65°, 70° × 95°, and 90° × 90° beam angle options for design flexibility.

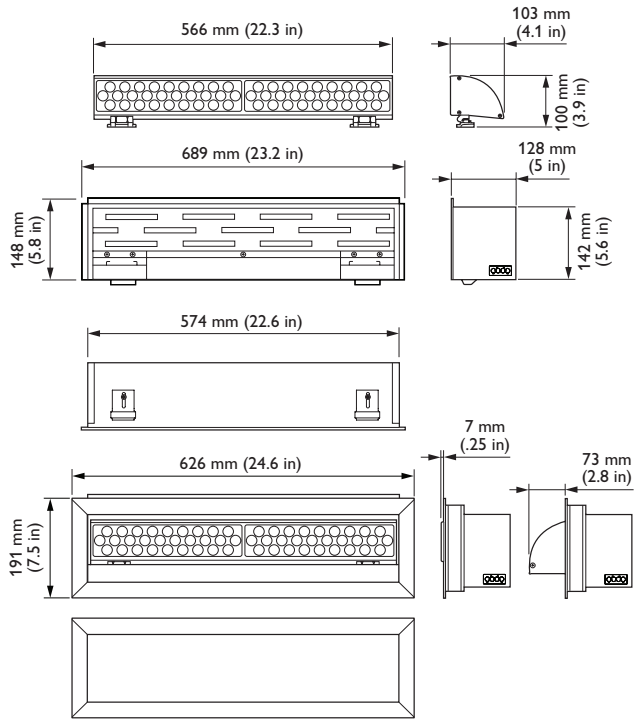
- Multiple housing options for installation and mounting flexibility — T-Bar, Flanged, and Flangeless housings support numerous installation methods and appearances.
- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. 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 Washing Powercore Product Guide at [www.philipscolorkinetics.com/ls/intellihue/skyribbon-wall-washing/](http://www.philipscolorkinetics.com/ls/intellihue/skyribbon-wall-washing/)

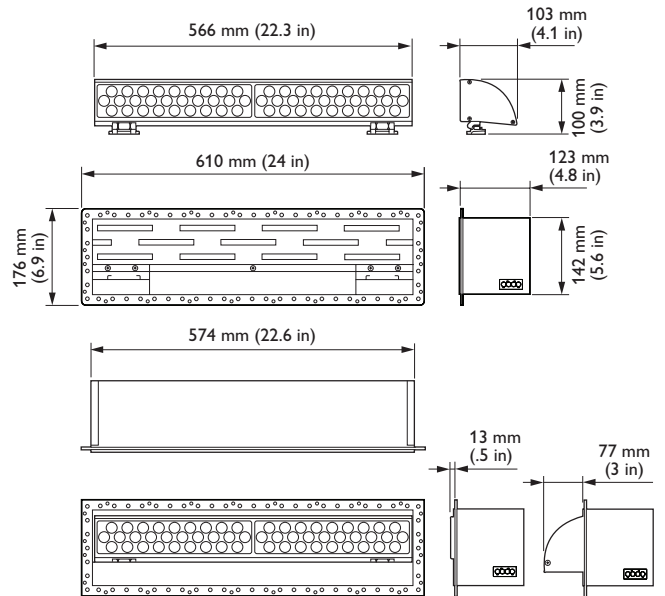
# PHILIPS

# CE Dimensional Diagrams

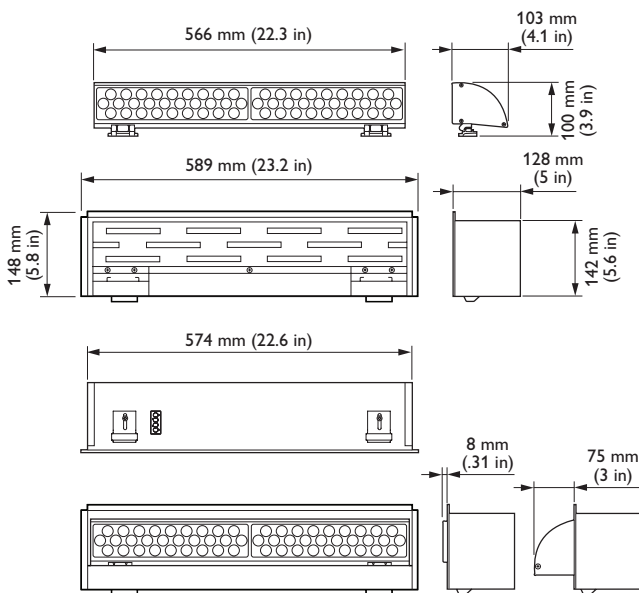
## SkyRibbon Wall Washing Powercore Flanged Housing, 220 – 240 VAC



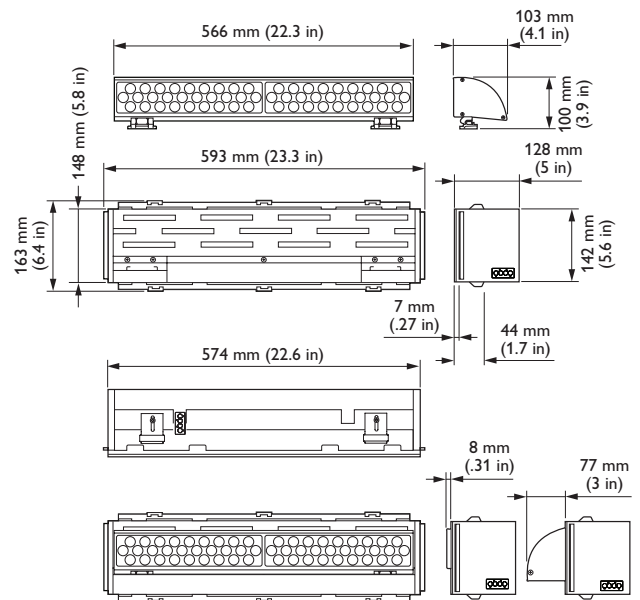
## SkyRibbon Wall Washing Powercore Flangeless Housing, 220 – 240 VAC



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

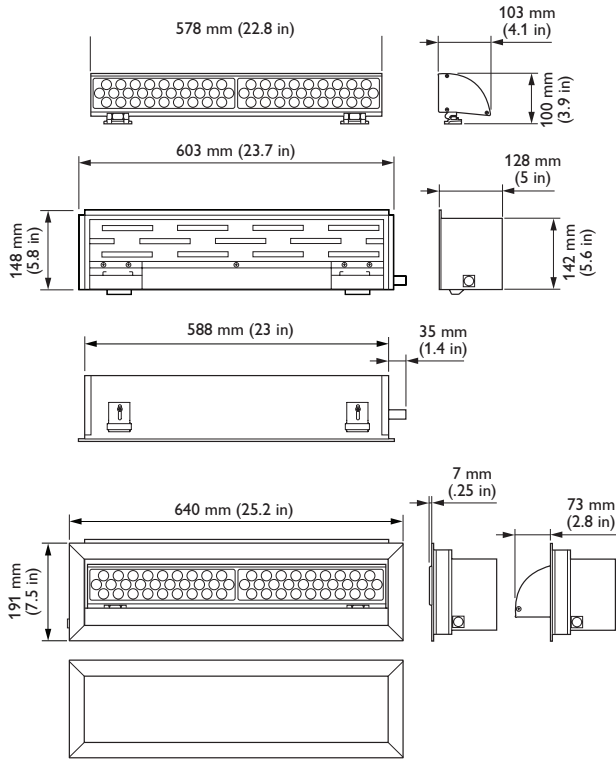


## SkyRibbon Wall Washing Powercore Slotted-T Housing, 220 – 240 VAC

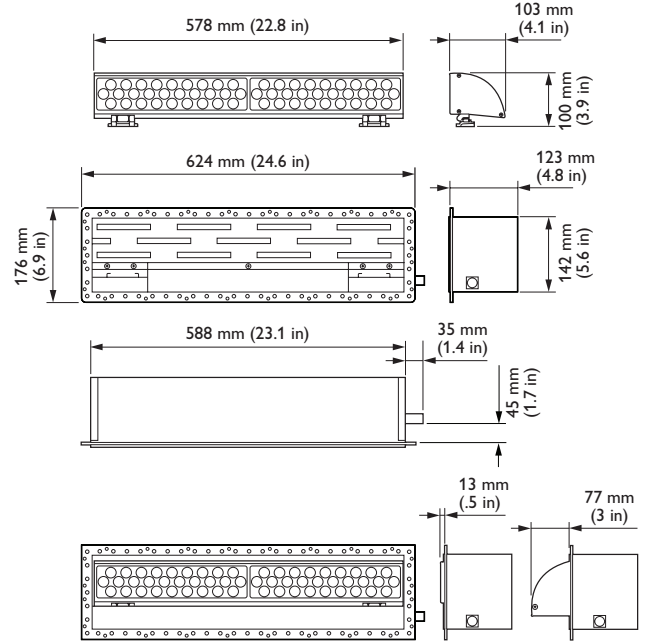


# UL Dimensional Diagrams

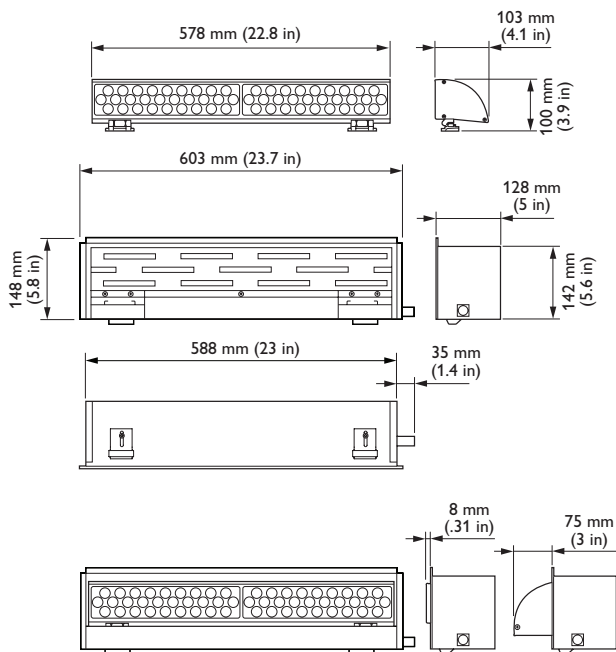
## SkyRibbon Wall Washing Powercore Flanged Housing, 120 VAC / 277 VAC



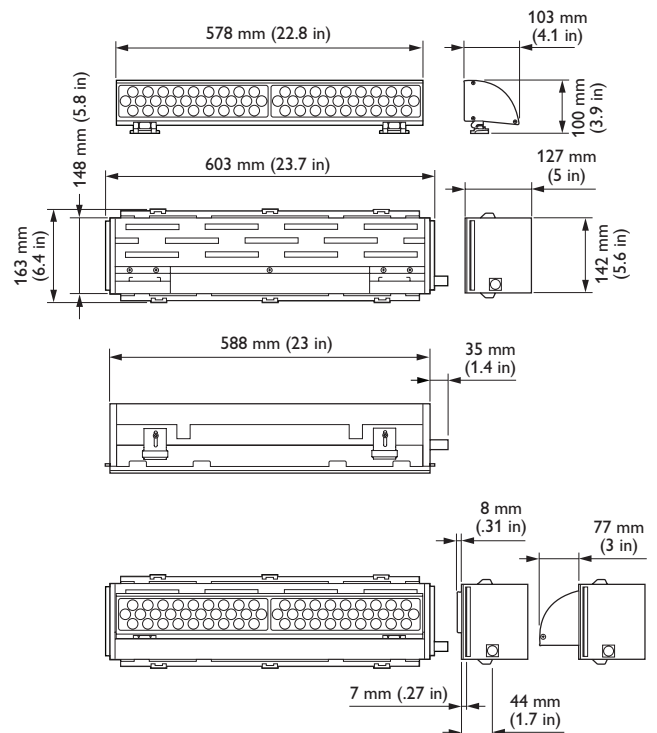
## SkyRibbon Wall Washing Powercore Flangeless Housing, 120 VAC / 277 VAC



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



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



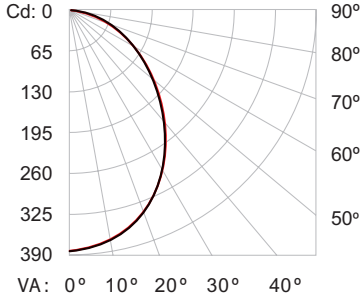
# Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 90° x 90° spread lens

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

## RGB channels only, full on

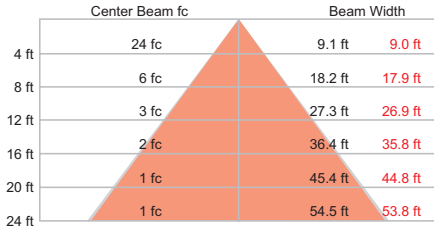
Lumens	Efficacy
919	21.1 lm / W

### Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0.0	90.0	180.0	270.0	0
5	384	384	384	384	384
15	380	383	380	381	381
25	357	359	358	357	357
35	317	318	318	315	315
45	266	267	268	263	263
55	212	211	214	209	209
65	157	156	159	155	155
75	102	103	104	102	102
85	50	52	52	51	51
90	8	9	9	9	9
90	0	0	0	0	0

### Illuminance at Distance



19.6 ft (6.0 m) Vert. Spread: 97.3°  
1 fc maximum distance Horiz. Spread: 96.5°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	111111111111	106106106106	102102102102	100
1	10910510197	1071039996	989593	949290	918987	85
2	100928580	97908479	878177	837975	807774	72
3	91817367	89807266	777065	746964	716763	61
4	84726457	82716357	686256	666055	645955	52
5	77655650	75645549	625449	605348	585248	46
6	72595044	70584943	564843	544742	524641	40
7	66534539	65524439	514438	504338	484238	36
8	62494035	60484035	474034	463934	443834	32
9	58453731	57443731	433631	423631	413531	29
10	54413429	53413428	403328	393328	383228	26

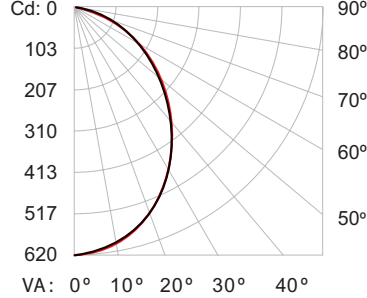
### Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	282	30.7
0- 40	448	48.7
0- 60	751	81.7
0- 90	919	100.0
90-180	0	0.0
0-180	919	100.0

## 2700 K

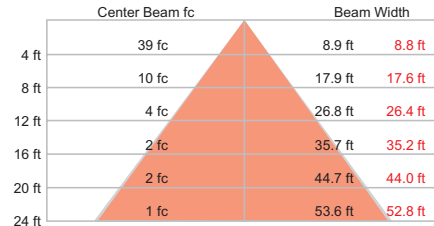
Lumens	Efficacy
1462	33.5 lm / W

### Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0.0	90.0	180.0	270.0	0
5	617	617	617	617	617
15	610	614	612	614	614
25	571	576	576	575	575
35	504	508	514	506	506
45	421	424	431	421	421
55	333	336	342	332	332
65	244	248	255	244	244
75	159	163	169	159	159
85	77	82	85	79	79
90	12	16	16	13	13
90	0	0	0	0	0

### Illuminance at Distance



24.9 ft (7.6 m) Vert. Spread: 96.3°  
1 fc maximum distance Horiz. Spread: 95.5°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	111111111111	106106106106	102102102102	100
1	10910510197	1071039996	989593	949290	918987	85
2	100928580	97908479	878277	837975	807774	72
3	91817367	89807267	777165	746964	716763	61
4	84726457	82716357	696256	666055	645955	53
5	77655650	75645650	625549	605348	585248	46
6	72595044	70585044	564943	544843	534742	40
7	67534539	65534539	514438	504338	484238	36
8	62494135	61484035	474035	463934	453834	32
9	58453732	57443731	433631	423631	413531	29
10	55423429	53413429	403329	393328	383228	27

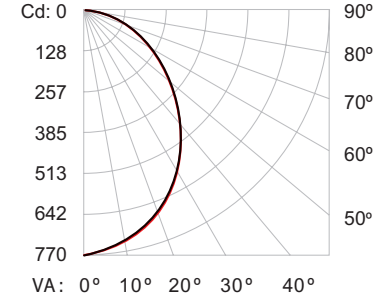
### Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	452	30.9
0- 40	717	49.1
0- 60	1197	81.8
0- 90	1462	100.0
90-180	0	0.0
0-180	1462	100.0

## 4000 K

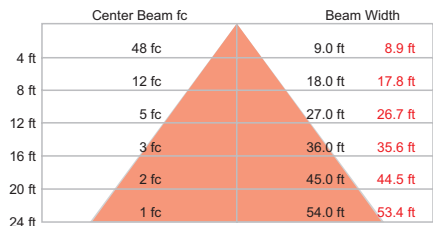
Lumens	Efficacy
1813	32.1 lm / W

### Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0.0	90.0	180.0	270.0	0
5	762	762	762	762	762
15	752	757	754	757	757
25	704	711	711	709	709
35	622	627	633	625	625
45	521	524	533	521	521
55	413	416	425	413	413
65	303	307	315	304	304
75	197	202	208	200	200
85	95	102	105	99	99
90	15	19	20	18	18
90	0	0	0	0	0

### Illuminance at Distance



27.6 ft (8.4 m) Vert. Spread: 96.7°  
1 fc maximum distance Horiz. Spread: 96.1°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	111111111111	106106106106	102102102102	100
1	10910510197	1071039996	989593	949290	918987	85
2	100928580	97908479	878277	837975	807774	72
3	91817367	89807266	777065	746964	716763	61
4	84726457	82716357	686256	666055	645955	53
5	77655650	75645649	625449	605348	585248	46
6	72595044	70584943	564943	544843	534742	40
7	67534539	65534439	514438	504338	484238	36
8	62494135	60484035	474034	463934	453834	32
9	58453731	57443731	433631	423631	413531	29
10	55423429	53413429	403328	393328	383228	26

### Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	558	30.8
0- 40	886	48.9
0- 60	1482	81.8
0- 90	1813	100.0
90-180	0	0.0
0-180	1813	100.0

For lux multiply fc by 10.7

# Specifications / SkyRibbon IntelliHue Wall Washing Powercore, 90° x 90° spread lens

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

Item	Specification	RGB channels only, full on	2700 K*	4000 K*
Output	Lumens†	919	1462	1813
	Efficacy (lm / W)	21.1	33.5	32.1
	CRI	—	90	88
	Power Factor	.913 @ 120 VAC	.913 @ 120 VAC	.943 @ 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	66 W maximum at full output, steady state		
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	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		

\* 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](http://www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf) for more information.



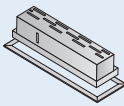
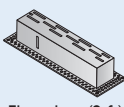
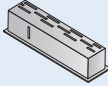
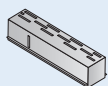
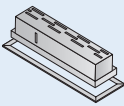
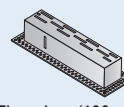
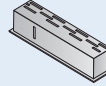
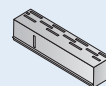
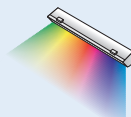
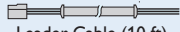
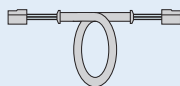
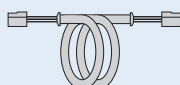
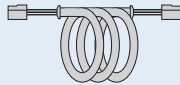
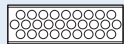
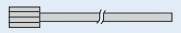
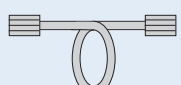
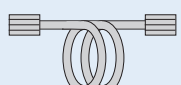
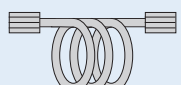
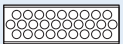
## Dimensions and Weight

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 IntelliHue Wall Washing Powercore fixture, choose a housing (voltage, length, and type), an optional spread lens, an optional accessories..

1 Choose housing type		2 Choose LED module	3 Choose optional spread lens	4 Choose accessories	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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> </div> <div style="width: 45%;"> <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> </div> </div>		 <p>2 ft or 600 mm</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>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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> </div> <div style="width: 45%;"> <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> </div> </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.

## 2 ft / 120 VAC or 277 VAC

Item	Voltage	Type	Item Number	Philips 12NC
Housings	120 VAC	Flanged (fixture and flange)	172-000072-02 and 120-000172-09	910503703215 and 910503703274
		Flangeless	172-000072-03	910503703216
		T-Bar	172-000072-02	910503703215
		Slotted-T	172-000072-13	910503704285
	277 VAC	Flanged (fixture and flange)	172-000072-06 and 120-000172-09	910503704247 and 910503703274
		Flangeless	172-000072-07	910503704248
		T-Bar	172-000072-06	910503704247
		Slotted-T	172-000072-15	910503704287

Item	Type	Item Number	Philips 12NC
LED Module	IntelliHue	123-000072-00	910503702668

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

Item		Length	Item Number	Philips 12NC
Leader Cable and Accessories	Leader Cable	10 ft	108-000072-04	910503703985
	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.

## Product Selection (continued)

### 600 mm / 220 – 240 VAC

Item	Type	Item Number	Philips 12NC
Housings	Flanged	172-000072-11	910503704265
	Flangeless	172-000072-19	910503705011
	T-Bar	172-000072-10	910503704264
	Slotted-T	172-000072-17	910503704632

Item	Type	Item Number	Philips 12NC
LED Module	IntelliHue	123-000072-01	910503704253

Item	Beam Angle	Item Number	Philips 12NC
Spread Lenses	30° x 30°	120-000161-01	910503704213
	30° x 60°	120-000161-04	910503704216
	35° x 105°	120-000161-03	910503704215
	40° x 80°	120-000161-02	910503704214
	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	108-000072-14	910503705048
	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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