

SkyRibbon IntelliHue Wall Washing Powercore

Recessed linear interior LED luminaire for wall washing and general illumination with intelligent white and color light



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Introducing SkyRibbon IntelliHue Wall Washing Powercore, a recessed linear interior LED wall washing luminaire offering high-quality intelligent color and white light from the same luminaire. 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 luminaires 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 luminaire setback. Multiple housing options accommodate a number of installation methods.

- Color-changing and high-quality white light from the same luminaire—IntelliHue is an advanced approach to color mixing that enables high-quality intelligent color and white light from a single luminaire. 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° x 20° beam angle. Holographic diffusion lenses offer additional 30° x 30°, 65° x 65°, 70° x 95°, and 90° x 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 luminaires directly from line voltage. Philips Data Enabler Pro merges line voltage and control data and delivers them to luminaires 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 luminaires in an installation—imperceptible to the human eye.
- Industry-leading controls—Luminaires 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 luminaires ensure consistent operation in a number of major international regions.



Seamless Illumination

SkyRibbon IntelliHue Wall Washing Powercore LED lighting luminaires create seamless, uniform illumination, with high visual impact and color consistency across luminaires. These luminaires are appropriate for a variety of downlighting applications in hospitals, hotels, office buildings, and retail.

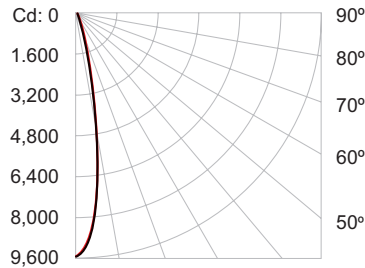
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 20° x 20° native (no spread lens)

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
1451	33.4 lm / W

Polar Candela Distribution



VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	9514	9514	9514	9514
5	8000	8220	8115	7887
15	2064	2255	2083	2032
25	227	238	206	209
35	44	40	43	38
45	22	20	23	20
55	14	14	14	14
65	9	10	9	10
75	4	5	4	5
85	0	1	1	1
90	0	0	0	0

Illuminance at Distance

Center Beam fc	Beam Width
4 ft	595 fc 1.4 ft 1.4 ft
8 ft	149 fc 2.8 ft 2.9 ft
12 ft	66 fc 4.2 ft 4.3 ft
16 ft	37 fc 5.6 ft 5.7 ft
20 ft	24 fc 7.1 ft 7.2 ft
24 ft	17 fc 8.5 ft 8.6 ft

97.7 ft (29.8 m) ■ Vert. Spread: 20.0°
1 fc maximum distance ■ Horiz. Spread: 20.3°

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	115113111110	113111109108	107106105	103102101	100 99 99	97
2	112108105103	110106104102	103101 99	100 99 97	98 97 95	94
3	108104100 98	107103 99 97	100 98 95	98 96 94	96 94 93	91
4	105100 96 94	104 99 96 93	97 94 92	95 93 91	94 92 90	89
5	103 97 93 90	101 96 93 90	95 92 89	93 90 88	92 90 88	87
6	100 94 90 87	99 93 90 87	92 89 87	91 88 86	90 87 86	85
7	98 92 88 85	97 91 87 85	90 87 84	89 86 84	88 86 84	83
8	95 89 85 83	94 89 85 83	88 85 82	87 84 82	86 84 82	81
9	93 87 83 81	92 87 83 81	86 83 81	85 82 80	85 82 80	79
10	91 85 82 79	91 85 81 79	84 81 79	84 81 79	83 80 79	78

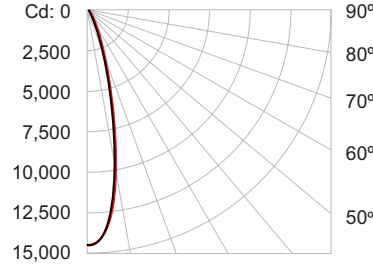
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1377	94.9
0- 40	1406	96.9
0- 60	1436	99.0
0- 90	1451	100.0
90-180	0	0.0
0-180	1451	100.0

2700 K

Lumens	Efficacy
2315	53.1 lm / W

Polar Candela Distribution



VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	14645	14645	14645	14645
5	12373	12673	12473	12354
15	3272	3607	3386	3392
25	349	394	364	377
35	62	71	75	69
45	39	32	36	36
55	22	26	26	24
65	11	17	15	15
75	6	7	9	7
85	1	1	2	1
90	0	0	0	0

Illuminance at Distance

Center Beam fc	Beam Width
4 ft	915 fc 1.4 ft 1.5 ft
8 ft	229 fc 2.8 ft 2.9 ft
12 ft	102 fc 4.3 ft 4.4 ft
16 ft	57 fc 5.7 ft 5.8 ft
20 ft	37 fc 7.1 ft 7.3 ft
24 ft	25 fc 8.5 ft 8.8 ft

121 ft (36.9 m) ■ Vert. Spread: 20.2°
1 fc maximum distance ■ Horiz. Spread: 20.7°

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	115113111109	11311109108	107106104	103102101	100 99 98	97
2	111108105103	109106104101	103101 99	100 99 97	98 96 95	94
3	108104100 97	106102 99 97	100 97 95	98 95 94	96 94 92	91
4	105100 96 93	104 99 95 93	97 94 92	95 93 91	93 91 90	89
5	102 97 93 90	101 96 92 89	94 91 89	93 90 88	91 89 87	86
6	100 94 90 87	98 93 89 87	92 89 86	91 88 86	89 87 85	84
7	97 91 87 84	96 91 87 84	90 86 84	88 86 83	88 85 83	82
8	95 89 85 82	94 88 85 82	87 84 82	87 84 82	86 83 81	80
9	93 87 83 80	92 86 83 80	85 82 80	85 82 80	84 81 79	79
10	91 85 81 78	90 84 81 78	84 80 78	83 80 78	82 80 78	77

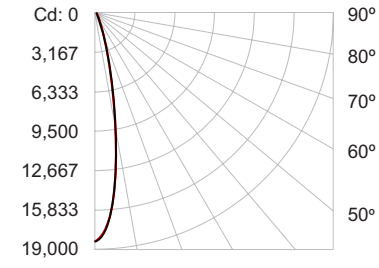
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	2188	94.5
0- 40	2237	96.6
0- 60	2289	98.9
0- 90	2315	100.0
90-180	0	0.0
0-180	2315	100.0

4000 K

Lumens	Efficacy
2867	50.7 lm / W

Polar Candela Distribution



VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	18297	18297	18297	18297
5	15633	15506	15164	15669
15	4314	4270	3928	4442
25	465	452	434	503
35	91	77	87	86
45	45	41	45	43
55	28	28	28	29
65	17	19	18	21
75	8	10	8	10
85	1	2	1	2
90	0	0	0	0

Illuminance at Distance

Center Beam fc	Beam Width
4 ft	1,144 fc 1.4 ft 1.5 ft
8 ft	286 fc 2.9 ft 2.9 ft
12 ft	127 fc 4.3 ft 4.4 ft
16 ft	71 fc 5.7 ft 5.9 ft
20 ft	46 fc 7.1 ft 7.3 ft
24 ft	32 fc 8.6 ft 8.8 ft

135 ft (41.1 m) ■ Vert. Spread: 20.2°
1 fc maximum distance ■ Horiz. Spread: 20.8°

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	115113111110	11311109108	107106104	103102101	100 99 98	97
2	112108105103	109106104102	103101 99	100 99 97	98 96 95	94
3	108104100 97	106102 99 97	100 97 95	98 95 94	96 94 92	91
4	105100 96 93	104 99 96 93	97 94 92	95 93 91	94 91 90	89
5	102 97 93 90	101 96 92 89	94 91 89	93 90 88	91 89 87	86
6	100 94 90 87	99 93 90 87	92 89 86	91 88 86	89 87 85	84
7	97 91 87 84	96 91 87 84	90 86 84	88 86 83	88 85 83	82
8	95 89 85 82	94 88 85 82	87 84 82	87 84 82	86 83 81	80
9	93 87 83 80	92 86 83 80	85 82 80	85 82 80	84 81 79	79
10	91 85 81 78	90 84 81 78	84 80 78	83 80 78	82 80 78	77

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	2716	94.7
0- 40	2776	96.8
0- 60	2836	98.9
0- 90	2867	100.0
90-180	0	0.0
0-180	2867	100.0

For lux multiply fc by 10.7

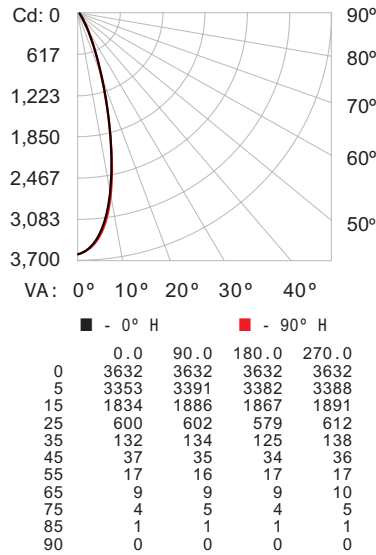
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 30° x 30° spread lens

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

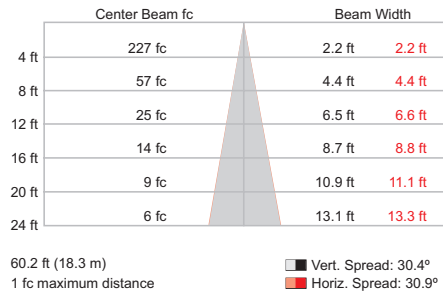
RGB channels only, full on

Lumens	Efficacy
1245	28.6 lm / W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0												
RW	70	50	30	10	50	30	10	0										
0	119119119119	116116116116	1111111111	106106106	102102102	100												
1	114112110108	112110108106	106104103	102101100	99	98	97	95										
2	110106102	108104101	98	101	98	96	95	93	92	90								
3	105100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86	
4	101	95	91	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	77	73	71	70
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

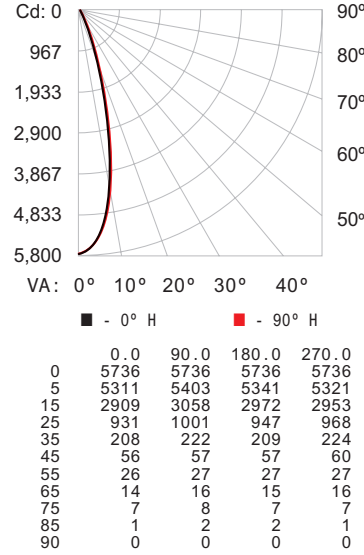
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1095	87.9
0- 40	1185	95.2
0- 60	1230	98.8
0- 90	1245	100.0
90-180	0	0.0
0-180	1245	100.0

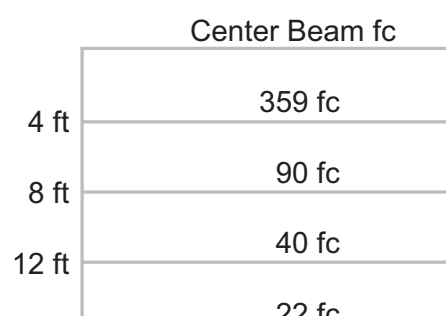
2700 K

Lumens	Efficacy
1992	45.7 lm / W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0												
RW	70	50	30	10	50	30	10	0										
0	119119119119	116116116116	1111111111	106106106	102102102	100												
1	114112110108	112110108106	106104103	102101100	99	98	97	95										
2	110106102	108104101	98	101	98	96	95	93	92	90								
3	105100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	88	86	
4	101	95	91	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69
9	84	77	72	69	83	76	72	68	75	71	68	74	70	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64

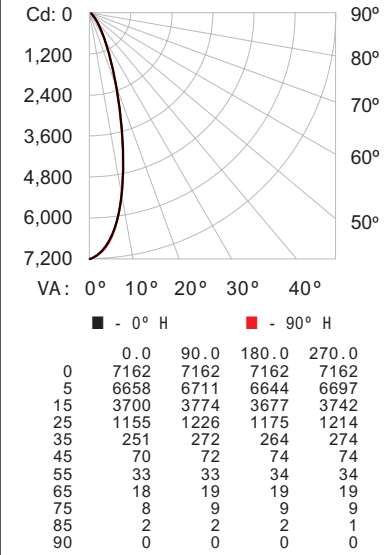
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1747	87.7
0- 40	1895	95.1
0- 60	1967	98.8
0- 90	1992	100.0
90-180	0	0.0
0-180	1992	100.0

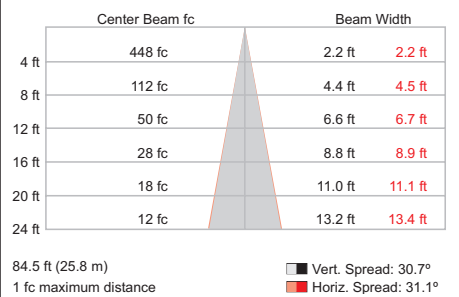
4000 K

Lumens	Efficacy
2479	43.8 lm / W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0												
RW	70	50	30	10	50	30	10	0										
0	119119119119	116116116116	1111111111	106106106	102102102	100												
1	114112110108	112110108106	106104103	102101100	99	98	97	95										
2	110106102	108104101	98	101	98	96	95	93	92	90								
3	105100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86	
4	101	95	91	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	72	86	79	75	71	78	74	71	77	73	71	76	73	70	69
9	85	77	72	69	84	76	72	69	75	71	68	74	70	68	74	70	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	71	68	65	64

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	2176	87.8
0- 40	2358	95.1
0- 60	2448	98.8
0- 90	2479	100.0
90-180	0	0.0
0-180	2479	100.0

For lux multiply fc by 10.7

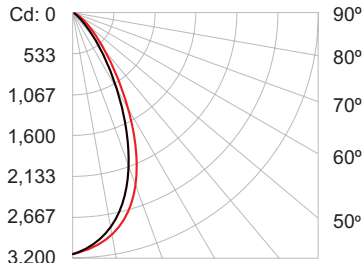
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 30° x 60° spread lens

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
1209	28.0 lm / W

Polar Candela Distribution

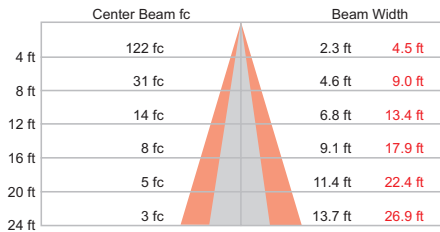


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	1950	1950	1950	1950	1950
5	1812	1829	1859	1904	1923
15	1050	1122	1316	1557	1672
25	368	432	652	1000	1206
35	94	119	229	482	674
45	30	36	68	173	275
55	16	18	26	54	84
65	9	10	13	20	27
75	4	5	6	8	10
85	1	1	1	1	2
90	0	0	0	0	0

Illuminance at Distance



44 ft (13.4 m) ■ Vert. Spread: 31.8°
 1 fc maximum distance ■ Horiz. Spread: 58.5°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113111108106	11108106104	104103101	1019998	979695	93
2	1081039995	1061019794	989592	959290	929088	87
3	102969187	100949086	928885	898683	878482	81
4	97908480	95898379	868279	848178	837977	75
5	92847874	91837874	817773	807672	787572	70
6	88797369	87787369	777268	767168	747067	66
7	84756965	83746965	736864	726764	716764	62
8	80716561	79706561	696460	686460	676360	59
9	77676157	75676157	666157	656057	646057	55
10	73645854	72635854	635854	625754	615754	53

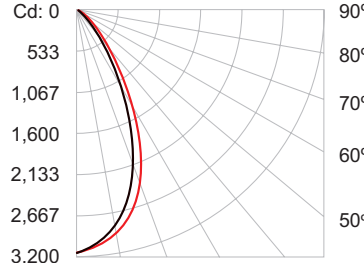
Zonal Lumen

ZONE	LUMENS	%FIXT
0-30	1161	48.0
0-40	1683	69.6
0-60	2285	94.5
0-90	2418	100.0
90-180	0	0.0
0-180	2418	100.0

2700 K

Lumens	Efficacy
1932	44.3 lm / W

Polar Candela Distribution

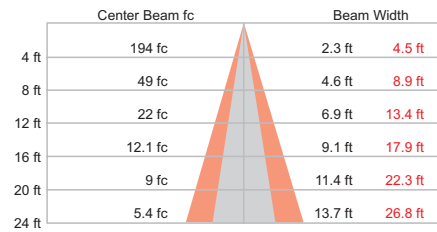


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	1454	1454	1454	1454	1454
5	1397	1403	1425	1451	1464
15	1018	1081	1238	1428	1518
25	532	619	895	1318	1560
35	201	257	497	1052	1471
45	69	90	209	653	1131
55	33	39	76	297	626
65	20	21	32	104	230
75	9	10	13	32	64
85	2	2	3	5	8
90	0	0	0	0	0

Illuminance at Distance



55 ft (16.8 m) ■ Vert. Spread: 31.9°
 1 fc maximum distance ■ Horiz. Spread: 58.4°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113111108106	11108106104	104103101	1019998	979695	93
2	1081039995	1061019794	989592	959290	929088	87
3	102969187	100949086	928885	898683	878482	81
4	97908480	95898379	868279	848178	837977	75
5	93847874	91837874	817773	807672	787572	70
6	88797369	87787369	777268	767168	747067	66
7	84756965	83746965	736864	726764	716764	62
8	80716561	79706561	696461	686461	676360	59
9	77676157	75676157	666157	656057	646057	55
10	73645854	72635854	635854	625754	615754	53

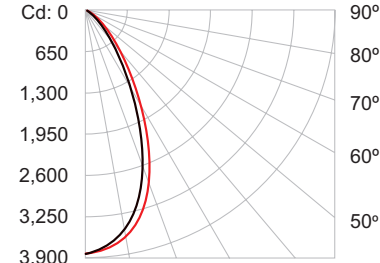
Zonal Lumen

ZONE	LUMENS	%FIXT
0-30	934	47.9
0-40	1355	69.5
0-60	1842	94.5
0-90	1949	100.0
90-180	0	0.0
0-180	1949	100.0

4000 K

Lumens	Efficacy
2376	42.0 lm / W

Polar Candela Distribution

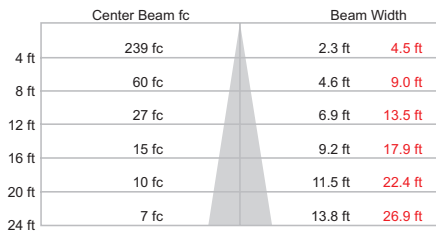


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	1806	1806	1806	1806	1806
5	1736	1745	1770	1803	1815
15	1271	1345	1539	1775	1883
25	664	769	1109	1641	1941
35	250	318	613	1308	1825
45	87	111	257	810	1404
55	42	48	94	366	779
65	24	26	39	129	287
75	12	13	17	40	79
85	3	3	3	6	10
90	0	0	0	0	0

Illuminance at Distance



61 ft (18.6 m) ■ Vert. Spread: 32°
 1 fc maximum distance ■ Horiz. Spread: 58.6°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113111108106	11108106104	104103101	1019998	979695	93
2	1081039995	1061019794	989592	959290	929088	87
3	102969187	100949086	928885	898684	878582	81
4	97908480	95898380	868279	848178	837977	75
5	93847874	91837874	817773	807673	787572	70
6	88797369	87787369	777268	767168	747067	66
7	84756965	83746965	736864	726764	716764	62
8	80716561	79706561	696461	686460	676360	59
9	77676157	75676157	666157	656057	646057	56
10	73645854	72635854	635854	625754	615754	53

Zonal Lumen

ZONE	LUMENS	%FIXT
0-30	1711	72.0
0-40	2092	88.1
0-60	2329	98.0
0-90	2376	100.0
90-180	0	0.0
0-180	2376	100.0

For lux multiply fc by 10.7

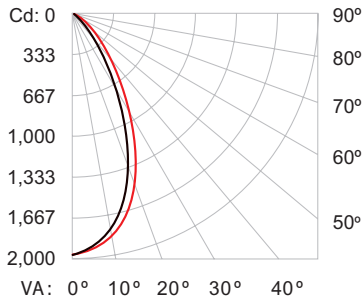
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 35° x 105° spread lens

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

RGB channels only, full on

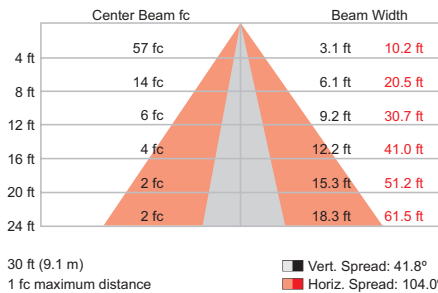
Lumens	Efficacy
1223	28.2 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1950	1950	1950	1950	1950
5	1812	1829	1859	1904	1923
15	1050	1122	1316	1557	1672
25	368	432	652	1000	1206
35	94	119	229	482	674
45	30	36	68	173	275
55	16	18	26	54	84
65	9	10	13	20	27
75	4	5	6	8	10
85	1	1	1	1	2
90	0	0	0	0	0

Illuminance at Distance



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	119119119119	116116116116	1111111111	106106106	102102102	100
1	112108105103	109106103101	102100 98	98 97 95	95 93 92	90
2	105 98 93 89	102 97 92 88	93 89 86	90 87 84	87 85 82	81
3	98 89 83 78	95 88 82 78	85 80 76	83 79 75	80 77 74	72
4	91 82 75 69	89 80 74 69	78 73 68	76 71 67	74 70 66	65
5	85 75 68 62	83 74 67 62	72 66 61	70 65 61	68 64 60	58
6	80 69 62 56	78 68 61 56	66 60 56	65 59 55	63 59 55	53
7	75 64 56 51	73 63 56 51	61 55 51	60 55 50	59 54 50	48
8	70 59 52 47	69 58 52 47	57 51 47	56 50 46	55 50 46	44
9	66 55 48 43	65 54 48 43	53 47 43	52 47 43	51 46 43	41
10	63 51 45 40	62 51 44 40	50 44 40	49 44 40	48 43 39	38

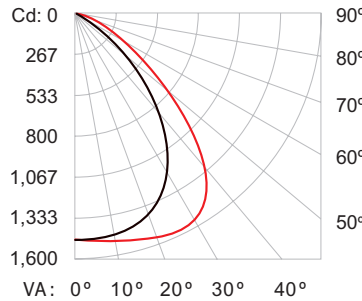
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	588	48.1
0- 40	851	69.6
0- 60	1157	94.6
0- 90	1223	100.0
90-180	0	0.0
0-180	1223	100.0

2700 K

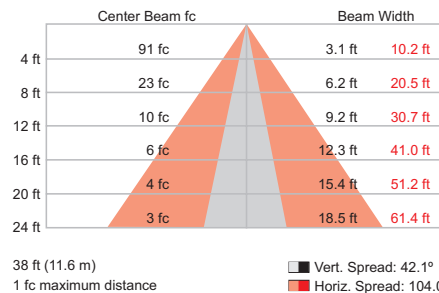
Lumens	Efficacy
1949	44.7 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1454	1454	1454	1454	1454
5	1397	1403	1425	1451	1464
15	1018	1081	1238	1428	1518
25	532	619	895	1318	1560
35	201	257	497	1052	1471
45	69	90	209	653	1131
55	33	39	76	297	626
65	20	21	32	104	230
75	9	10	13	32	64
85	2	2	3	5	8
90	0	0	0	0	0

Illuminance at Distance



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	119119119119	116116116116	1111111111	106106106	102102102	100
1	112108105103	109106103101	102100 98	98 97 95	95 93 92	90
2	105 98 93 89	102 97 92 88	93 89 86	90 87 84	87 85 82	80
3	98 89 83 78	95 88 82 78	85 80 76	83 78 75	80 77 74	72
4	91 82 75 69	89 80 74 69	78 73 68	76 71 67	74 70 66	65
5	85 75 68 62	83 74 67 62	72 66 61	70 65 61	68 64 60	58
6	80 69 62 56	78 68 61 56	66 60 56	65 59 55	63 59 55	53
7	75 64 56 51	73 63 56 51	61 55 51	60 55 50	59 54 50	48
8	70 59 52 47	69 58 51 47	57 51 46	56 50 46	55 50 46	44
9	66 55 48 43	65 54 48 43	53 47 43	52 47 43	51 46 43	41
10	63 51 44 40	62 51 44 40	50 44 40	49 43 40	48 43 39	38

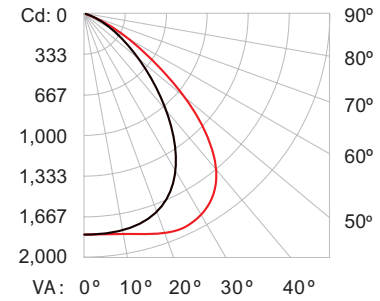
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	934	47.9
0- 40	1355	69.5
0- 60	1842	94.5
0- 90	1949	100.0
90-180	0	0.0
0-180	1949	100.0

4000 K

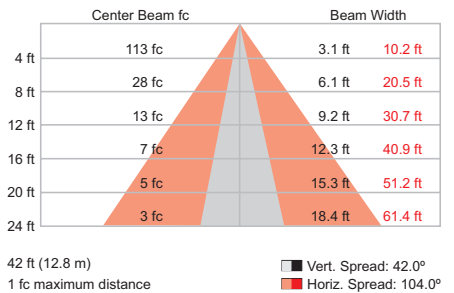
Lumens	Efficacy
2418	42.7 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1806	1806	1806	1806	1806
5	1736	1745	1770	1803	1815
15	1271	1345	1539	1775	1883
25	664	769	1109	1641	1941
35	250	318	613	1308	1825
45	87	111	257	810	1404
55	42	48	94	366	779
65	24	26	39	129	287
75	12	13	17	40	79
85	3	3	3	6	10
90	0	0	0	0	0

Illuminance at Distance



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	119119119119	116116116116	1111111111	106106106	102102102	100
1	112108105103	109106103101	102100 98	98 97 95	95 93 92	90
2	105 98 93 89	102 97 92 88	93 89 86	90 87 84	87 85 82	80
3	98 89 83 78	95 88 82 78	85 80 76	83 78 75	80 77 74	72
4	91 82 75 69	89 80 74 69	78 73 68	76 71 67	74 70 66	65
5	85 75 68 62	83 74 67 62	72 66 61	70 65 61	68 64 60	58
6	80 69 62 56	78 68 61 56	66 60 56	65 59 55	63 59 55	53
7	75 64 56 51	73 63 56 51	61 55 51	60 55 50	59 54 50	48
8	70 59 52 47	69 58 52 47	57 51 47	56 50 46	55 50 46	44
9	66 55 48 43	65 54 48 43	53 47 43	52 47 43	51 46 43	41
10	63 51 44 40	62 51 44 40	50 44 40	49 44 40	48 43 39	38

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1161	48.0
0- 40	1683	69.6
0- 60	2285	94.5
0- 90	2418	100.0
90-180	0	0.0
0-180	2418	100.0

For lux multiply fc by 10.7

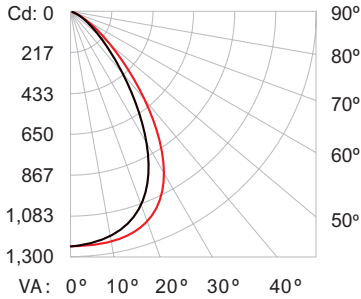
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 40° x 80° spread lens

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

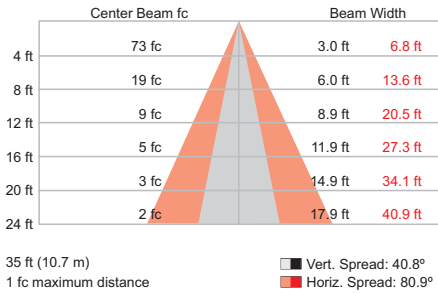
Lumens	Efficacy
1214	28.0 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1237	1237	1237	1237	1237
5	1184	1192	1208	1229	1240
15	846	892	1011	1151	1217
25	420	481	669	944	1096
35	147	183	327	615	818
45	46	58	118	293	454
55	21	24	40	102	171
65	12	13	17	33	51
75	6	6	8	11	16
85	1	1	1	2	2
90	0	0	0	0	0

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%												
	80	70	50	30	10	0	80	70	50	30	10	0	
RW	70	50	30	10	0	0	70	50	30	10	0	0	
0	119119119119	116116116116	1111111111	106106106	102102102	100	0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113110107104	110107105103	10310199	1009896	969594	92	1	113110107104	110107105103	10310199	1009896	969594	92
2	1061019692	104999591	969289	939087	908886	84	2	1061019692	104999591	969289	939087	908886	84
3	100938783	98918682	898481	868379	848178	76	3	100938783	98918682	898481	868379	848178	76
4	94868075	92857974	827773	807673	787572	70	4	94868075	92857974	827773	807673	787572	70
5	89807368	87797268	777167	757067	736966	64	5	89807368	87797268	777167	757067	736966	64
6	84746763	82736762	726662	706561	696461	59	6	84746763	82736762	726662	706561	696461	59
7	79696258	78686258	676157	666157	656057	55	7	79696258	78686258	676157	666157	656057	55
8	75655854	74645853	635753	625753	615653	51	8	75655854	74645853	635753	625753	615653	51
9	71615450	70605450	595450	585349	575349	48	9	71615450	70605450	595450	585349	575349	48
10	68575147	67575147	565046	555046	545046	45	10	68575147	67575147	565046	555046	545046	45

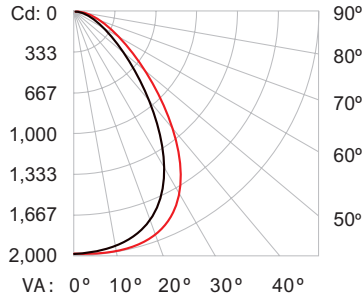
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	723	59.6
0- 40	975	80.3
0- 60	1178	97.0
0- 90	1214	100.0
90-180	0	0.0
0-180	1214	100.0

2700 K

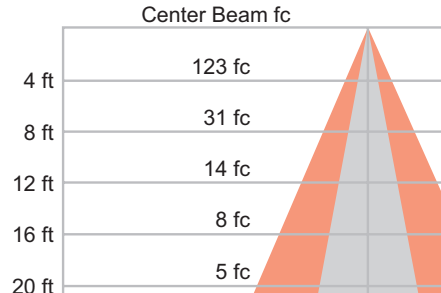
Lumens	Efficacy
1931	44.3 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1967	1967	1967	1967	1967
5	1883	1892	1922	1954	1974
15	1342	1419	1604	1829	1934
25	668	767	1062	1498	1737
35	234	295	519	976	1295
45	75	93	190	467	721
55	34	38	65	162	271
65	19	21	28	53	81
75	10	10	12	19	25
85	2	3	3	3	4
90	0	0	0	0	0

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%												
	80	70	50	30	10	0	80	70	50	30	10	0	
RW	70	50	30	10	0	0	70	50	30	10	0	0	
0	119119119119	116116116116	1111111111	106106106	102102102	100	0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113110107104	110107105103	10310199	1009896	969594	92	1	113110107104	110107105103	10310199	1009896	969594	92
2	1061019692	104999591	969289	939087	908886	84	2	1061019692	104999591	969289	939087	908886	84
3	100938783	98918682	898481	868379	848178	76	3	100938783	98918682	898481	868379	848178	76
4	94868075	92857974	827773	807673	787572	70	4	94868075	92857974	827773	807673	787572	70
5	89807368	87797268	777167	757067	736966	64	5	89807368	87797268	777167	757067	736966	64
6	84746763	82736762	726662	706561	696461	59	6	84746763	82736762	726662	706561	696461	59
7	79696258	78686258	676157	666157	656057	55	7	79696258	78686258	676157	666157	656057	55
8	75655854	74645853	635753	625753	615653	51	8	75655854	74645853	635753	625753	615653	51
9	71615450	70605450	595450	585349	575349	48	9	71615450	70605450	595450	585349	575349	48
10	68575147	67575147	565046	555046	545046	45	10	68575147	67575147	565046	555046	545046	45

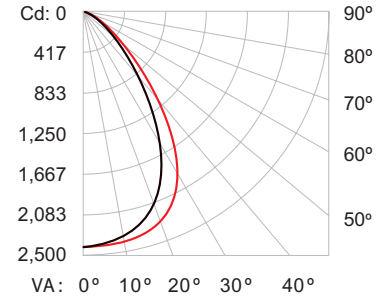
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1148	59.5
0- 40	1548	80.2
0- 60	1872	96.9
0- 90	1931	100.0
90-180	0	0.0
0-180	1931	100.0

4000 K

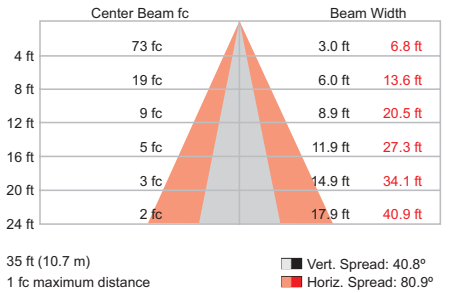
Lumens	Efficacy
2378	42.0 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	2423	2423	2423	2423	2423
5	2321	2334	2372	2407	2422
15	1667	1749	1983	2253	2373
25	833	946	1315	1848	2137
35	293	361	643	1206	1584
45	93	116	231	574	876
55	42	47	79	201	331
65	24	26	34	65	99
75	11	12	15	23	31
85	2	2	2	3	4
90	0	0	0	0	0

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%												
	80	70	50	30	10	0	80	70	50	30	10	0	
RW	70	50	30	10	0	0	70	50	30	10	0	0	
0	119119119119	116116116116	1111111111	106106106	102102102	100	0	119119119119	116116116116	1111111111	106106106	102102102	100
1	113110107104	110107105103	10310199	1009896	969594	92	1	113110107104	110107105103	10310199	1009896	969594	92
2	1061019692	104999591	969289	939087	908886	84	2	1061019692	104999591	969289	939087	908886	84
3	100938783	98918682	898481	868379	848178	76	3	100938783	98918682	898481	868379	848178	76
4	94868075	92857974	827773	807673	787572	70	4	94868075	92857974	827773	807673	787572	70
5	89807368	87797268	777167	757067	736966	64	5	89807368	87797268	777167	757067	736966	64
6	84746763	82736762	726662	706561	696461	59	6	84746763	82736762	726662	706561	696461	59
7	79696258	78686258	676157	666157	656057	55	7	79696258	78686258	676157	666157	656057	55
8	75655854	74645853	635753	625753	615653	51	8	75655854	74645853	635753	625753	615653	51
9	71615450	70605450	595450	585349	575349	48	9	71615450	70605450	595450	585349	575349	48
10	68575147	67575147	565046	555046	545046	45	10	68575147	67575147	565046	555046	545046	45

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1417	59.6
0- 40	1910	80.3
0- 60	2307	97.0
0- 90	2378	100.0
90-180	0	0.0
0-180	2378	100.0

For lux multiply fc by 10.7

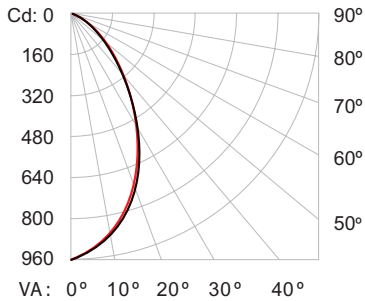
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 65° x 65° spread lens

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
1212	27.9 lm / W

Polar Candela Distribution

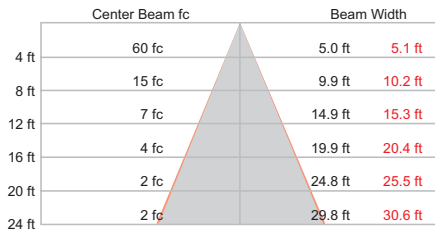


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	0.0	956	956	956
5	931	924	936	956
15	807	783	812	863
25	625	596	618	680
35	420	409	406	455
45	243	246	221	246
55	112	123	94	103
65	43	51	35	37
75	15	18	12	13
85	3	3	2	2
90	0	0	0	0

Illuminance at Distance



30.9 ft (9.4 m) 1 fc maximum distance
 ■ Vert. Spread: 63.7°
 ■ Horiz. Spread: 65.1°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	112109106103	109106104101	102100 98	99 97 95	95 94 92	90
2	105 99 94 90	102 97 92 88	94 90 86	91 87 85	88 85 83	81
3	98 90 84 79	96 88 83 78	86 81 77	83 79 76	81 77 74	73
4	92 82 75 70	90 81 75 70	79 73 69	77 72 68	75 71 67	66
5	86 76 68 63	84 75 68 63	73 67 62	71 66 62	69 65 61	59
6	80 70 62 57	79 69 62 57	67 61 57	66 60 56	64 59 56	54
7	76 64 57 52	74 64 57 52	62 56 52	61 56 51	60 55 51	49
8	71 60 53 48	70 59 52 48	58 52 48	57 51 47	56 51 47	45
9	67 56 49 44	66 55 49 44	54 48 44	53 48 44	52 47 44	42
10	63 52 45 41	62 52 45 41	51 45 41	50 44 41	49 44 40	39

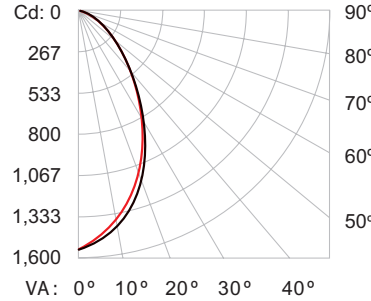
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	603	49.7
0- 40	866	71.4
0- 60	1151	94.9
0- 90	1212	100.0
90-180	0	0.0
0-180	1212	100.0

2700 K

Lumens	Efficacy
1898	43.5 lm / W

Polar Candela Distribution

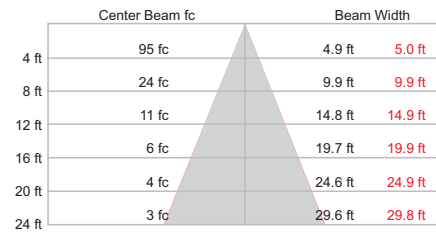


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	1522	1522	1522	1522
5	1484	1457	1487	1524
15	1281	1229	1291	1368
25	986	923	985	1067
35	665	630	648	705
45	381	377	356	380
55	174	186	154	158
65	67	77	58	58
75	23	27	20	19
85	4	4	3	2
90	0	0	0	0

Illuminance at Distance



39 ft (11.9 m) 1 fc maximum distance
 ■ Vert. Spread: 63.3°
 ■ Horiz. Spread: 63.7°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	112109106103	109106104101	102100 98	99 97 95	95 94 92	90
2	105 99 94 90	102 97 92 88	94 90 87	91 87 85	88 85 83	81
3	98 90 84 79	96 88 83 78	86 81 77	83 79 76	81 77 74	73
4	92 82 75 70	90 81 75 70	79 73 69	77 72 68	75 71 67	66
5	86 76 68 63	84 75 68 63	73 67 62	71 66 62	69 65 61	60
6	80 70 62 57	79 69 62 57	67 61 57	66 60 56	64 60 56	54
7	76 65 57 52	74 64 57 52	63 56 52	61 56 52	60 55 51	50
8	71 60 53 48	70 59 53 48	58 52 48	57 52 48	56 51 47	46
9	67 56 49 44	66 55 49 44	54 48 44	53 48 44	53 48 44	42
10	64 52 46 41	63 52 45 41	51 45 41	50 45 41	49 44 41	39

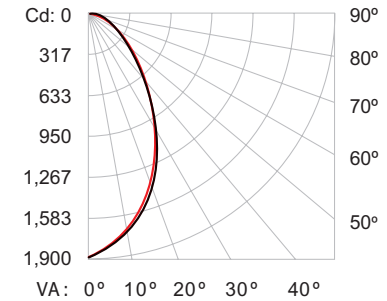
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	951	50.1
0- 40	1362	71.8
0- 60	1803	95.0
0- 90	1898	100.0
90-180	0	0.0
0-180	1898	100.0

4000 K

Lumens	Efficacy
2395	42.3 lm / W

Polar Candela Distribution

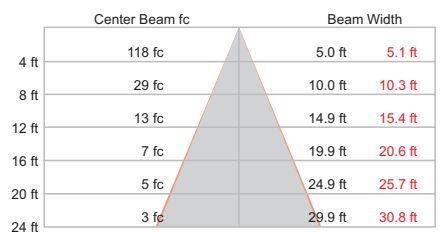


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	1882	1882	1882	1882
5	1840	1827	1844	1879
15	1597	1557	1600	1691
25	1229	1188	1218	1335
35	830	817	799	892
45	483	490	429	474
55	223	250	187	198
65	86	104	70	72
75	30	37	24	24
85	5	7	4	3
90	0	0	0	0

Illuminance at Distance



43.3 ft (13.2 m) 1 fc maximum distance
 ■ Vert. Spread: 63.8°
 ■ Horiz. Spread: 65.4°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	112109106103	109106104101	102100 98	99 97 95	95 94 92	90
2	105 99 94 89	102 97 92 88	94 90 86	91 87 85	88 85 83	81
3	98 90 84 79	96 88 83 78	86 81 77	83 79 76	81 77 74	73
4	92 82 75 70	90 81 75 70	79 73 69	77 72 68	75 71 67	65
5	86 76 68 63	84 75 68 63	73 67 62	71 66 62	69 65 61	59
6	80 70 62 57	79 69 62 57	67 61 57	66 60 56	64 59 56	54
7	76 64 57 52	74 64 57 52	62 56 52	61 56 51	60 55 51	49
8	71 60 53 48	70 59 52 48	58 52 48	57 52 48	56 51 47	45
9	67 56 49 44	66 55 49 44	54 48 44	53 48 44	53 48 44	42
10	63 52 45 41	62 52 45 41	51 45 41	50 45 41	49 44 40	39

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	1191	49.7
0- 40	1712	71.5
0- 60	2271	94.8
0- 90	2395	100.0
90-180	0	0.0
0-180	2395	100.0

For lux multiply fc by 10.7

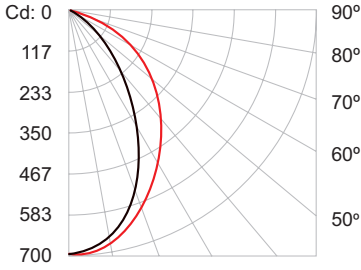
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 70° x 95° spread lens

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
1179	27.1 lm / W

Polar Candela Distribution

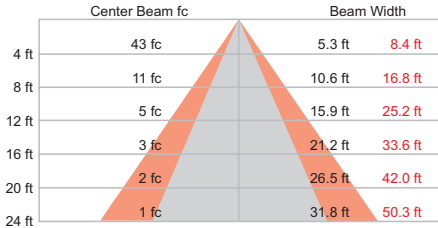


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	692	692	692	692
5	682	688	681	685
15	602	633	599	629
25	473	544	469	551
35	315	453	327	463
45	173	357	196	363
55	78	251	97	247
65	33	146	43	134
75	12	63	17	54
85	2	11	4	7
90	0	0	0	0

Illuminance at Distance



26.3 ft (8.0 m) 1 fc maximum distance
 ■ Vert. Spread: 67.1° ■ Horiz. Spread: 92.7°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	1111107104100	108105102 99	101 98 96	97 95 93	93 92 90	88
2	103 96 90 85	100 94 89 84	91 86 82	87 84 81	85 82 79	77
3	95 86 79 74	93 85 78 73	82 76 72	79 74 71	77 73 69	67
4	88 78 70 64	86 76 69 64	74 68 63	72 67 62	70 65 62	60
5	82 71 63 57	80 69 62 57	67 61 56	66 60 55	64 59 55	53
6	76 64 56 51	74 64 56 51	62 55 50	60 54 50	59 53 49	48
7	71 59 51 46	70 58 51 46	57 50 45	55 49 45	54 49 45	43
8	67 54 47 41	65 54 46 41	53 46 41	51 45 41	50 45 41	39
9	63 50 43 38	61 50 43 38	49 42 38	48 42 37	47 41 37	36
10	59 47 40 35	58 46 39 35	45 39 35	45 39 34	44 38 34	33

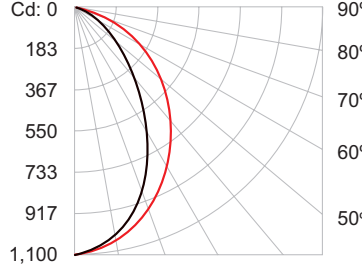
Zonal Lumens

ZONE	LUMENS	%FIXT
0- 30	469	39.8
0- 40	712	60.4
0- 60	1060	90.0
0- 90	1179	100.0
90-180	0	0.0
0-180	1179	100.0

2700 K

Lumens	Efficacy
1869	42.8 lm / W

Polar Candela Distribution

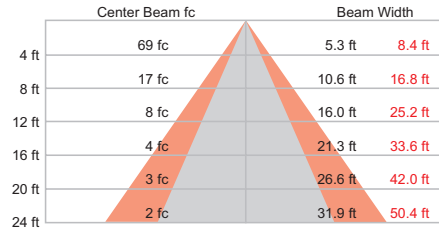


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	1096	1096	1096	1096
5	1077	1086	1079	1093
15	945	1000	954	1003
25	740	875	756	865
35	516	735	517	724
45	300	576	287	568
55	147	395	131	394
65	65	217	55	225
75	25	90	22	93
85	4	15	4	13
90	0	0	0	0

Illuminance at Distance



33.1 ft (10.1 m) 1 fc maximum distance
 ■ Vert. Spread: 67.3° ■ Horiz. Spread: 92.8°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	1111107104101	108105102 99	101 98 96	97 95 93	93 92 90	88
2	103 96 90 85	100 94 89 84	91 86 82	87 84 81	85 82 79	77
3	95 86 79 74	93 85 78 73	82 76 72	79 74 71	77 73 69	68
4	88 78 70 64	86 76 69 64	74 68 63	72 67 62	70 65 62	60
5	82 71 63 57	80 70 62 57	68 61 56	66 60 56	64 59 55	53
6	76 64 57 51	74 64 56 51	62 55 50	60 54 50	59 54 49	48
7	71 59 51 46	70 58 51 46	57 50 45	56 50 45	54 49 45	43
8	67 54 47 42	65 54 47 41	53 46 41	51 45 41	50 45 41	39
9	63 50 43 38	61 50 43 38	49 42 38	48 42 37	47 41 37	36
10	59 47 40 35	58 46 39 35	45 39 35	45 39 35	44 38 34	33

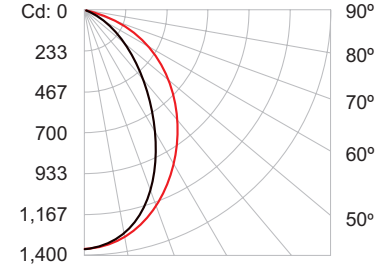
Zonal Lumens

ZONE	LUMENS	%FIXT
0- 30	745	39.9
0- 40	1131	60.5
0- 60	1682	90.0
0- 90	1869	100.0
90-180	0	0.0
0-180	1869	100.0

4000 K

Lumens	Efficacy
2330	41.2 lm / W

Polar Candela Distribution

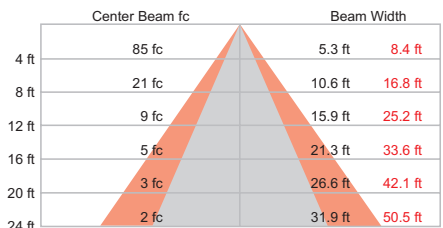


VA: 0° 10° 20° 30° 40°

■ - 0° H ■ - 90° H

	0.0	90.0	180.0	270.0
0	1365	1365	1365	1365
5	1342	1350	1340	1359
15	1183	1241	1179	1251
25	933	1084	922	1082
35	651	909	622	903
45	389	716	346	709
55	193	490	157	499
65	84	268	66	287
75	32	111	26	122
85	6	18	5	18
90	0	0	0	0

Illuminance at Distance



37 ft (11.3 m) 1 fc maximum distance
 ■ Vert. Spread: 67.2° ■ Horiz. Spread: 92.9°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	1111111111	106106106	102102102	100
1	1111107104100	108105102 99	101 98 96	97 95 93	93 92 90	88
2	103 96 90 85	100 94 89 84	91 86 82	87 84 81	85 82 79	77
3	95 86 79 74	93 85 78 73	82 76 72	79 74 71	77 73 69	67
4	88 78 70 64	86 76 69 64	74 68 63	72 67 62	70 65 61	60
5	82 71 63 57	80 69 62 57	67 61 56	66 60 55	64 59 55	53
6	76 64 56 51	74 63 56 51	62 55 50	60 54 50	59 53 49	48
7	71 59 51 46	70 58 51 46	57 50 45	55 49 45	54 49 45	43
8	67 54 47 41	65 54 46 41	53 46 41	51 45 41	50 45 41	39
9	63 50 43 38	61 50 43 38	49 42 38	48 42 37	47 41 37	36
10	59 47 40 35	58 46 39 35	45 39 35	45 39 35	44 38 34	33

Zonal Lumens

ZONE	LUMENS	%FIXT
0- 30	927	39.8
0- 40	1407	60.4
0- 60	2096	90.0
0- 90	2330	100.0
90-180	0	0.0
0-180	2330	100.0

For lux multiply fc by 10.7

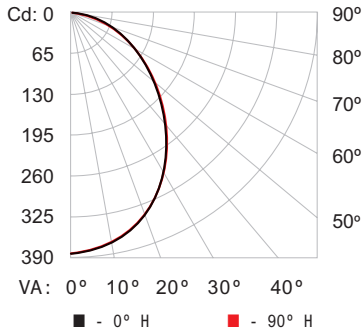
Photometrics / SkyRibbon IntelliHue Wall Washing Powercore, 90° x 90° spread lens

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

RGB channels only, full on

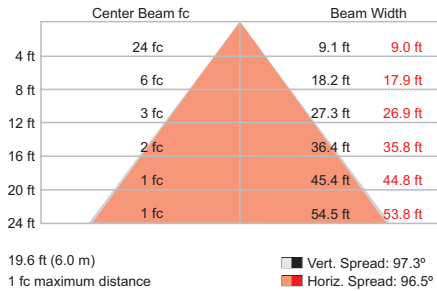
Lumens	Efficacy
919	21.1 lm / W

Polar Candela Distribution



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

Illuminance at Distance



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

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	109105101 97	107103 99 96	98 95 93	94 92 90	91 89 87	85
2	100 92 85 80	97 90 84 79	87 81 77	83 79 75	80 77 74	72
3	91 81 73 67	89 80 72 66	77 70 65	74 69 64	71 67 63	61
4	84 72 64 57	82 71 63 57	68 62 56	66 60 55	64 59 55	52
5	77 65 56 50	75 64 55 49	62 54 49	60 53 48	58 52 48	46
6	72 59 50 44	70 58 49 43	56 48 43	54 48 43	53 47 42	40
7	66 53 45 39	65 52 44 39	51 44 38	50 43 38	48 42 38	36
8	62 49 40 35	60 48 40 35	47 40 34	46 39 34	44 38 34	32
9	58 45 37 31	57 44 37 31	43 36 31	42 36 31	41 35 31	29
10	54 41 34 29	53 41 34 28	40 33 28	39 33 28	38 32 28	26

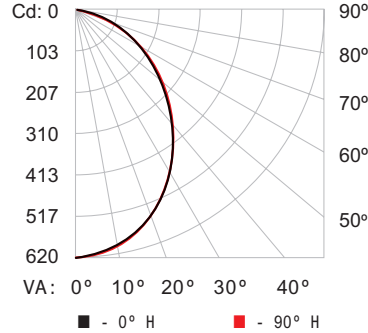
Zonal Lumen

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

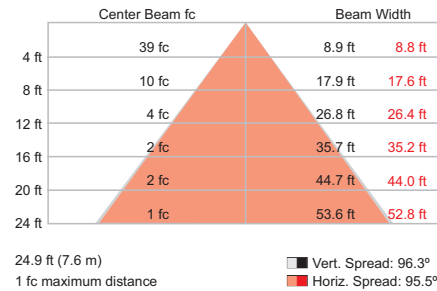
Lumens	Efficacy
1462	33.5 lm / W

Polar Candela Distribution



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

Illuminance at Distance



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

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	109105101 97	107103 99 96	98 95 93	94 92 90	91 89 87	85
2	100 92 85 80	97 90 84 79	87 82 77	83 79 75	80 77 74	72
3	91 81 73 67	89 80 72 66	77 71 65	74 69 64	71 67 63	61
4	84 72 64 57	82 71 63 57	69 62 56	66 60 55	64 59 55	53
5	77 65 56 50	75 64 56 50	62 55 49	60 53 48	58 52 48	46
6	72 59 50 44	70 58 50 44	56 49 43	54 48 43	53 47 42	40
7	67 53 45 39	65 53 45 39	51 44 38	50 43 38	48 42 38	36
8	62 49 41 35	61 48 40 35	47 40 35	46 39 34	45 39 34	32
9	58 45 37 32	57 44 37 31	43 36 31	42 36 31	41 35 31	29
10	55 42 34 29	53 41 34 29	40 33 29	39 33 28	38 32 28	27

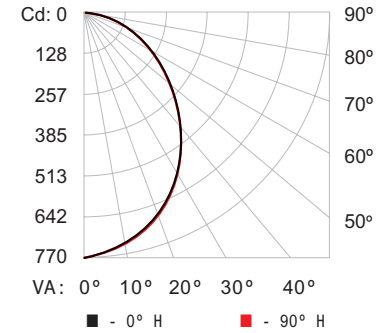
Zonal Lumen

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

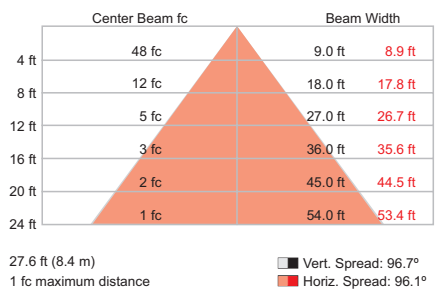
Lumens	Efficacy
1813	32.1 lm / W

Polar Candela Distribution



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

Illuminance at Distance



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

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	119119119119	116116116116	1111111111	106106106	102102102	100
1	109105101 97	107103 99 96	98 95 93	94 92 90	91 89 87	85
2	100 92 85 80	97 90 84 79	87 82 77	83 79 75	80 77 74	72
3	91 81 73 67	89 80 72 66	77 70 65	74 69 64	71 67 63	61
4	84 72 64 57	82 71 63 57	68 62 56	66 60 55	64 59 55	53
5	77 65 56 50	75 64 56 49	62 54 49	60 53 48	58 52 48	46
6	72 59 50 44	70 58 49 43	56 49 43	54 48 43	53 47 42	40
7	67 53 45 39	65 53 44 39	51 44 38	50 43 38	48 42 38	36
8	62 49 41 35	60 48 40 35	47 40 34	46 39 34	44 38 34	32
9	58 45 37 31	57 44 37 31	43 36 31	42 36 31	41 35 31	29
10	55 42 34 29	53 41 34 29	40 33 28	39 33 28	38 32 28	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

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

Item	Specification	RGB channels only, full on	2700*	4000*
Output	Lumens†	1451	2315	2867
	Efficacy (lm / W)	33.4	53.1	50.7
	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	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, 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 luminaires 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

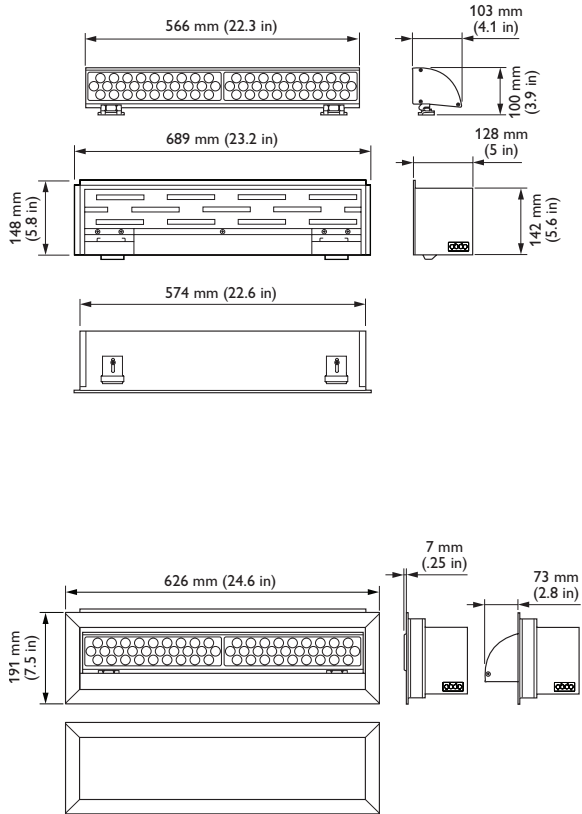
Luminaire		Flanged	Flangeless	T-Bar	Slotted-T
120 VAC/277 VAC	Housing Dimensions (Height x Width x Depth)	5 x 23.2 x 5.8 in	4.8 x 24 x 6.9 in	5 x 23.2 x 5.8 in	5 x 23.3 x 6.4 in
	Assembled Weight†	10.4 lbs	8.6 lbs	8.6 lbs	8.6 lbs
220 – 240 VAC	Housing Dimensions (Height x Width x Depth)	128 x 603 x 148 mm	123 x 624 x 176 mm	128 x 603 x 148 mm	127 x 603 x 142 mm
	Assembled Weight†	4.7 kg	3.9 kg	3.9 kg	3.9 kg

† Assembled weight includes luminaire housing and LED module.

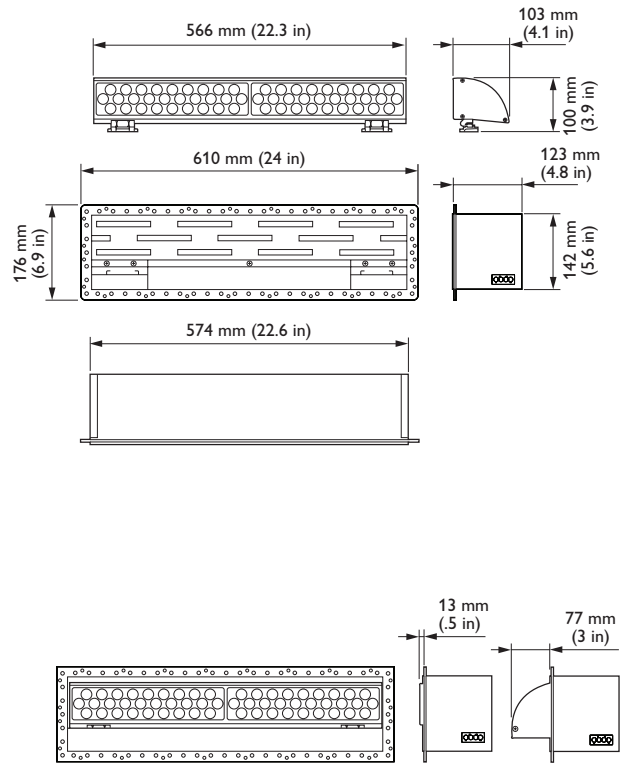


CE Dimensional Diagrams

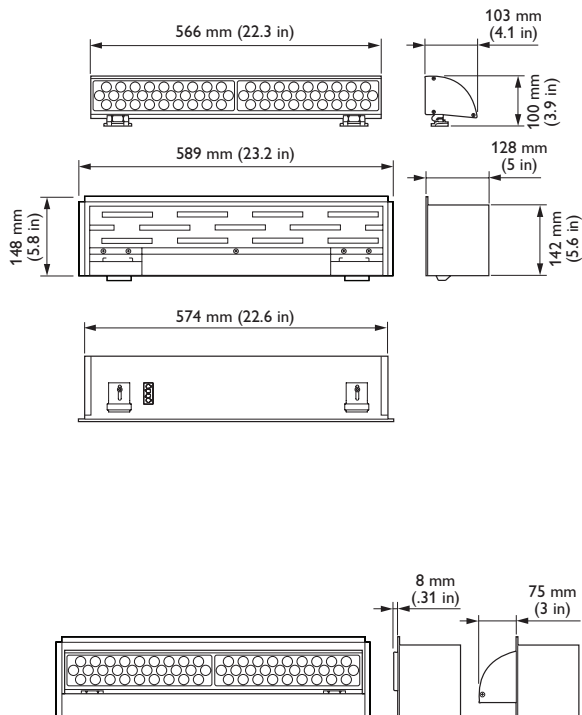
SkyRibbon Wall Washing Powercore Flanged Housing, 220 – 240 VAC



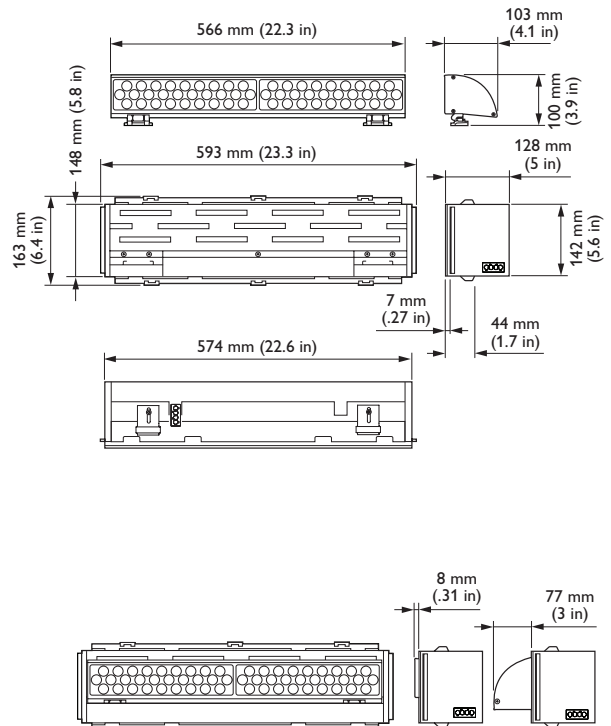
SkyRibbon Wall Washing Powercore Flangeless Housing, 220 – 240 VAC



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

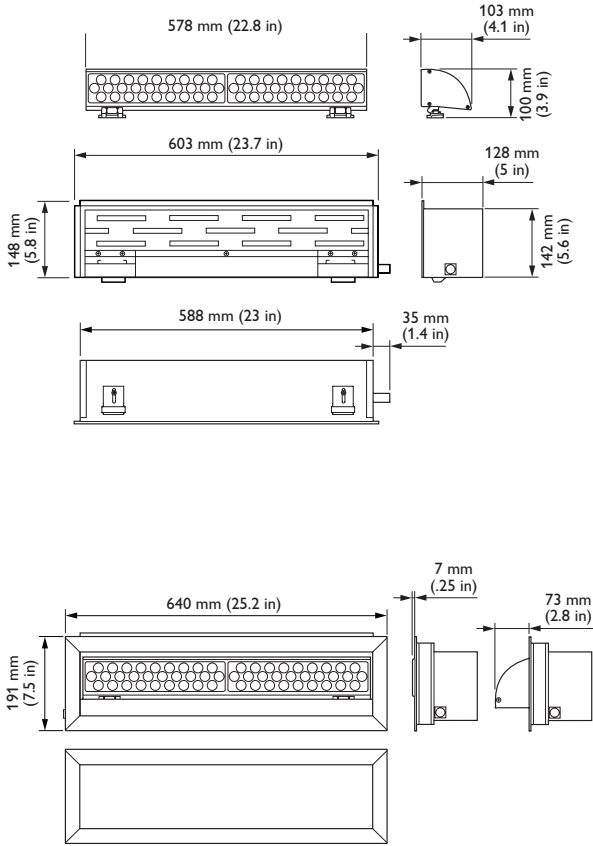


SkyRibbon Wall Washing Powercore Slotted-T Housing, 220 – 240 VAC

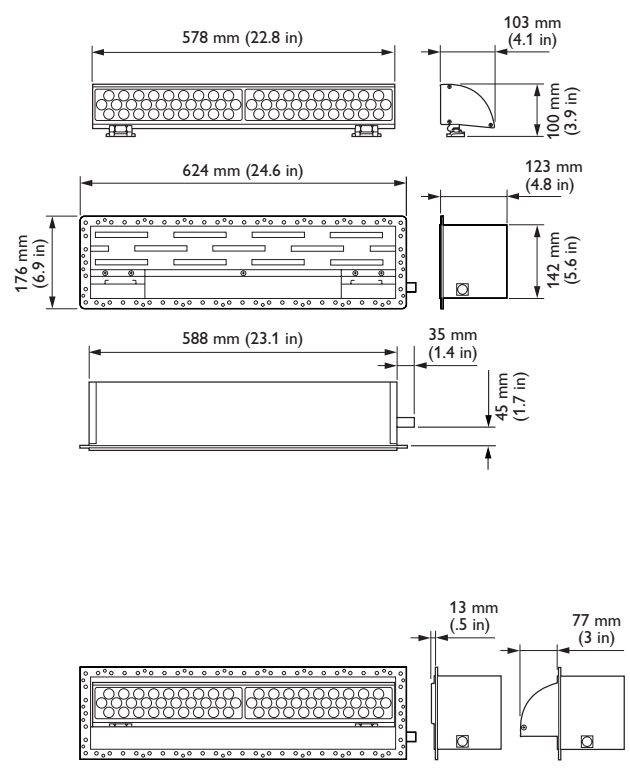


UL Dimensional Diagrams

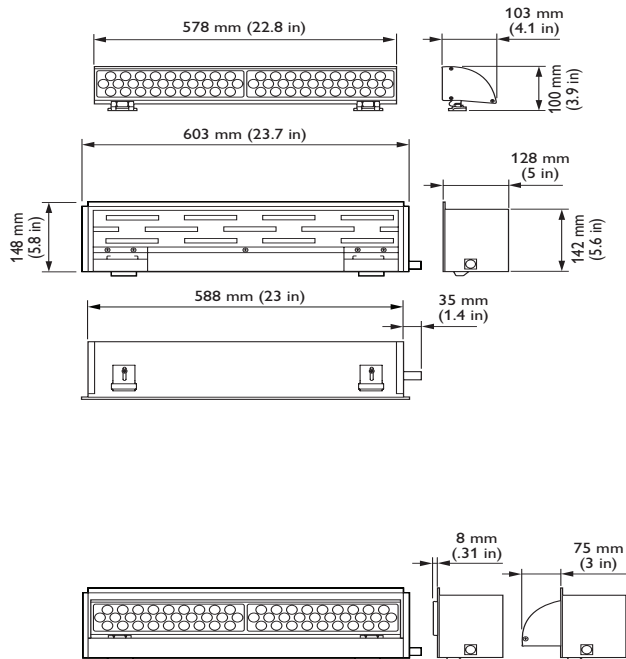
SkyRibbon Wall Washing Powercore Flanged Housing, 120 VAC/277 VAC



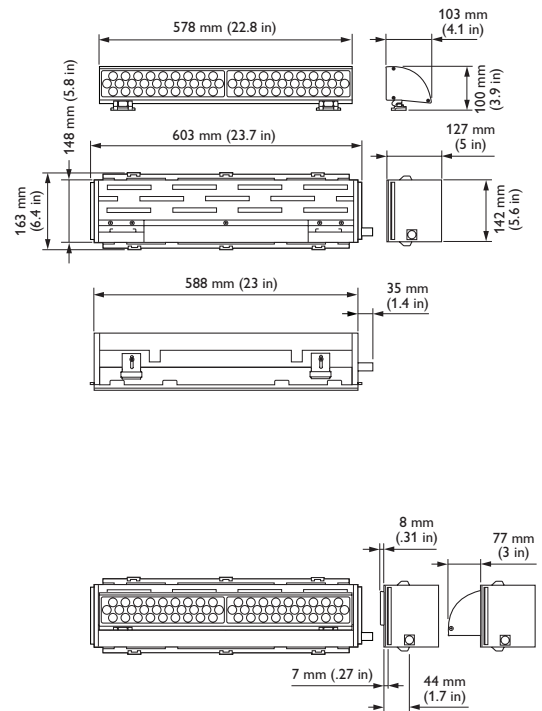
SkyRibbon Wall Washing Powercore Flangeless Housing, 120 VAC/277 VAC



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

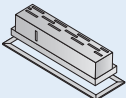
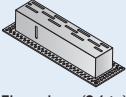
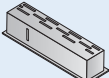
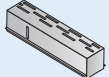
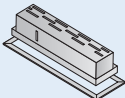
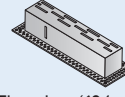
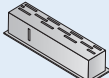
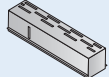
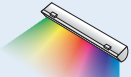
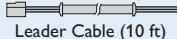
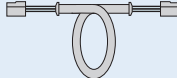
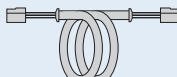
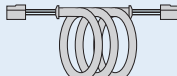
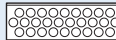
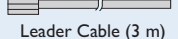
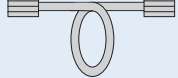
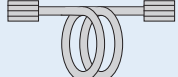
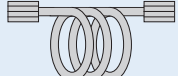
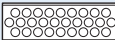


SkyRibbon Wall Washing Powercore Slotted-T Housing, 120 VAC/277 VAC



Product Selection

To order a complete SkyRibbon IntelliHue Wall Washing Powercore luminaire, 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		
<p>120 VAC or 277 VAC</p>  <p>Flanged (23.2 in)</p>  <p>Flangeless (24 in)</p>  <p>T-Bar (23.2 in)</p>  <p>Slot-T (23.3 in)</p>	<p>220 – 240 VAC</p>  <p>Flanged (603 mm)</p>  <p>Flangeless (624 mm)</p>  <p>T-Bar (603 mm)</p>  <p>Slot-T (624 mm)</p>	 <p>24 in or 600 mm</p>	<p>120 VAC / 277 VAC</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>220 – 240 VAC</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 luminaires. When hardwiring, the luminaire acts as a junction box.

Housing Options

Item	Style	Voltage	Item Number	Philips 12NC
Housing	Flanged (luminaire and flange)	220 – 240 VAC	172-000072-10 and 120-000172-10	910503704264 and 910503704271
		120 VAC	172-000072-02 and 120-000172-09	910503703215 and 910503703274
		277 VAC	172-000072-06 and 120-000172-09	910503704247 and 910503703274
	Flangeless	220 – 240 VAC	172-000072-19	910503705011
		120 VAC	172-000072-03	910503703216
		277 VAC	172-000072-07	910503704248
	T-Bar	220 – 240 VAC	172-000072-10	910503704264
		120 VAC	172-000072-02	910503703215
		277 VAC	172-000072-06	910503704247
	Slotted-T	220 – 240 VAC	172-000072-17	910503704632
		120 VAC	172-000072-13	910503704285
		277 VAC	172-000072-15	910503704287

Use Item Number when ordering in North America.

LED Modules, Spread Lenses, and Louvers

Item	Voltage	Details	Item Number	Philips 12NC
LED Modules	220 – 240 VAC	IntelliHue	123-000072-01	910503704253
	120/277 VAC	IntelliHue	123-000072-00	910503702668
Spread Lens	220 – 240 VAC	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
		120/277 VAC	30° x 30°	120-000172-01
	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	
Louver	220 – 240 VAC		120-000161-00	910503704249
	120/277 VAC		120-000172-00	910503702690

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
	3 m	120/277 VAC	108-000072-04	910503703985
Jumper Cable	0.9 m	220 – 240 VAC	108-000072-15	910503705049
	1.4 m		108-000072-16	910503705050
	1.7 m		108-000072-17	910503705051
	0.9 m	120/277 VAC	108-000072-00	910503702835
	1.4 m		108-000072-01	910503702836
	1.7 m		108-000072-02	910503702837

Use Item Number when ordering in North America.

Installation

SkyRibbon IntelliHue Wall Washing Powercore is a recessed linear interior LED lighting luminaire offering high-quality intelligent color and white light from the same lighting source. Brilliant light output and industry-leading color consistency make luminaires ideal for a variety of general illumination applications. Multiple housing options accommodate a number of installation methods. Powercore eases installation by eliminating the need for external power supplies or special wiring.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate SkyRibbon IntelliHue Wall Washing Powercore luminaires in compliance with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.


Create a Lighting Design Plan

Regardless of the details of your installation, it's good practice to create a lighting design plan that identifies your luminaires, records the DMX addresses assigned to them, and identifies their locations in relation to other required hardware.

To create a lighting design plan, determine the appropriate location of each SkyRibbon IntelliHue Wall Washing Powercore luminaire in relation to power sources and controllers. On an architectural diagram or other diagram that shows the physical layout of the installation, identify the locations of all controllers, luminaires, power sources, and cables. To streamline installation and aid in light show programming, you can affix a label identifying the order or placement in the installation to an inconspicuous location on each luminaire's housing.

Keep the following considerations in mind when planning your installation:

- Confirm voltage rating of the luminaire matches the voltage requirement your installation.
- You can connect SkyRibbon IntelliHue Wall Washing luminaires in series or parallel using either flexible conduit jumpers or hard wiring power directly to the luminaires.
- You can mix 305 mm (1 ft) and 1219 mm (4 ft) SkyRibbon IntelliHue Wall Washing luminaires in a single run. A mixture of luminaire lengths can offer flexibility in architectural applications where you need to install luminaires around corners or in confined areas.
- You can mount SkyRibbon IntelliHue Wall Washing Powercore luminaires end to end, or you can space them however you wish, so long as the distance from the power source to the last luminaire does not exceed or falls within the recommendations for voltage drop shown in the configuration calculator. For more information, and for help calculating the number of luminaires your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/, or consult Application Engineering Services at support@colorkinetics.com.

 Refer to the SkyRibbon IntelliHue Wall Washing Powercore Installation Instructions at <http://www.colorkinetics.com/ls/essentialwhite/skyribbon-wall-washing/> for specific warning and caution statements.

Wall Washing Installation Variations

In order to achieve illuminance uniformity, all SkyRibbon Wall Washing fixtures need to be positioned properly. This guide will help lighting designers and contractors specify, layout, construct, and commission their space.

The first thing to decide when planning an installation is the illuminance needed for the space. Pre-existing light in a space will contribute to the overall illuminance, so it is important to factor in all sources of light present when deciding on the amount of illuminance needed from the luminaires.

Once illuminance targets are set, lighting designers can play around with setback, luminaire to luminaire distance, and beam angle in order to achieve the desired illuminance.

Setback is the distance between the wall and the luminaire. The recommended setback distance for wall washing fixtures should be either 610 mm (2 ft) or 915 mm (3 ft).

Luminaire to luminaire distance is the distance from the center of one luminaire to another. Luminaires should be installed between 1.2 m (4 ft) – 1.8 m (6 ft) on-center from one another.

Tilt angle is the angle a luminaire should be positioned at when installed.

The table below shows several layout recommendations for achieving uniform illumination:

Spread Lens	610 mm (2 ft) Setback	915 mm (3 ft) Setback
20° x 20° (native)	30° (A), 4' (D)	36° (A), 4' (D)
30° x 30°	30° (A), 4' (D)	32° (A), 4' (D)
65° x 65°	25° (A), 5' (D)	10° (A), 5' (D)
90° x 90°	5° (A), 5' (D)	10° (A), 6' (D)
70° x 95°	10° (A), 5' (D)	3° (A), 6' (D)
35° x 105°	30° (A), 6' (D)	35° (A), 6' (D)
40° x 80°	30° (A), 5' (D)	40° (A), 5' (D)
35° x 60°	30° (A), 5' (D)	45° (A), 5' (D)

(A) - Tilt Angle

(D) - Luminaire to Luminaire Distance

✳ Refer to the installation instructions included with the wall or dimmer switch for installation and wiring information.

Install Wall Dimmers and Switches

SkyRibbon IntelliHue Wall Washing Powercore luminaires can be controlled either with a standard wall switch (on/off) or a compatible, commercially available reverse-phase ELV-type dimmers. SkyRibbon IntelliHue Wall Washing Powercore luminaires work with selected trailing edge reverse-phase (ELV) dimmers.

For a list of compatible dimmers, and for details on selecting the appropriate dimmer for your lighting installation, visit www.colorkinetics.com/support/appnotes, or consult Application Engineering services at support@colorkinetics.com.

Start the Installation

1. SkyRibbon IntelliHue Wall Washing Powercore can be installed in series or in parallel wired to a common junction box. The maximum number of luminaires per circuit depends on specific configuration details such as luminaire length, luminaire spacing, circuit size, line voltage, and leader cable length. For more information, and for help calculating the number of luminaires your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/, or consult Application Engineering Services at support@colorkinetics.com.
2. Verify that all supporting equipment (switches, line power sources, controllers, etc.) is in place.
3. If your installation calls for leader or jumper cables, make sure they are readily available.
4. Ensure that all additional parts and tools are available, including:
 - The included mounting hardware
 - 2+ ground copper wire, as needed. (Standard 12 AWG [2.05 mm] stranded wire is recommended.)
 - Junction boxes, as needed, rated for your application. (Refer to the manufacturer's literature for additional items required for mounting or sealing.)

✳ Refer to the SkyRibbon IntelliHue Wall Washing Powercore web page at www.colorkinetics.com/Is/IntelliHue/skyribbon-wall-Washing/ for detailed installation instructions.

Mount and Connect Luminaires

1. Make sure the power is OFF before mounting and connecting SkyRibbon Wall Washing Powercore luminaires.
2. SkyRibbon Wall Washing Powercore luminaires offer bulkhead connectors that accept the SkyRibbon Wall Washing Powercore pre-configured Leader and Jumper Cables. Because they have a male connector on one end of the luminaire and a female connector on the other end, SkyRibbon Wall Washing Powercore luminaires are directional, and must all be oriented in the same direction.
3. SkyRibbon Wall Washing Powercore luminaires can also be hardwired, with the back of the housing acting as a junction box.

