



SkyRibbon IntelliHue Wall Grazing Powercore

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

SkyRibbon IntelliHue Wall Grazing Powercore

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

Introducing SkyRibbon IntelliHue Wall Grazing Powercore, a recessed linear interior LED wall grazing 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 grazing applications. 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 a 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° x 10° beam angle. Holographic diffusion lenses offer additional 10° x 60°, 10° x 90°, 30° x 30°, and 30° x 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.
- 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 Grazing Powercore LED lighting luminaires create seamless, uniform illumination, with high visual impact and color consistency across luminaires. With clean lines that accentuate architectural design, these luminaires are appropriate for a variety of downlighting applications in hospitals, hotels, office buildings, and retail.

Photometrics/SkyRibbon IntelliHue Wall Grazing Powercore

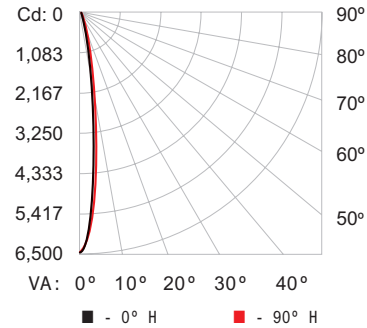
293 mm (11.535 in), 10° × 10° native (no spread lens)

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

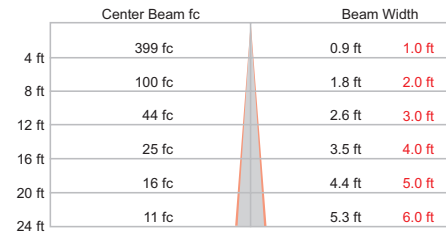
Lumens	Efficacy
522	28.6 lm/W

Polar Candela Distribution



	0	25	45	70	90
0	6376	6376	6376	6376	6376
5	3558	3623	3913	4271	4453
15	149	162	193	255	280
25	67	66	65	60	60
35	76	73	71	67	62
45	52	52	51	49	43
55	37	37	36	33	27
65	28	27	26	22	17
75	14	15	16	13	8
85	12	11	9	5	1
90	11	10	8	4	0

Illuminance at Distance



24.4 m (80 ft)
1 fc maximum distance

■ Vert. Spread: 12.5°
■ Horiz. Spread: 14.2°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%															
RCC %:		80	70	60	50	40	30	20	10	0	80	70	60	50	40	30	20
RW %:	0	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119
RCR %:	0	114	111	109	107	105	103	102	101	100	98	97	96	95	93	92	91
	2	109	105	102	99	107	103	100	90	100	97	95	97	94	93	94	92
	3	106	100	96	93	104	99	95	87	96	93	91	94	91	89	91	89
	4	102	96	92	89	100	95	91	84	93	90	87	91	88	86	89	87
	5	99	93	88	85	98	92	88	82	90	87	84	88	85	83	87	84
	6	97	90	86	82	95	89	85	80	88	84	82	86	83	81	85	82
	7	94	88	83	80	93	87	83	78	86	82	80	85	81	79	83	81
	8	92	85	81	78	91	85	81	77	84	80	77	83	80	77	82	79
	9	90	84	80	77	89	83	79	76	82	79	76	81	78	76	81	78
	10	89	82	78	76	88	82	78	75	81	77	75	80	77	75	79	77

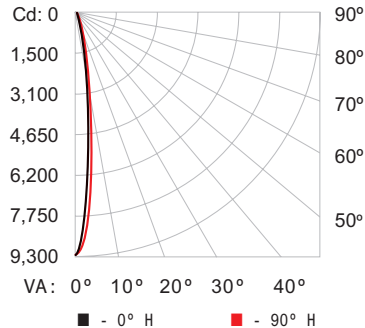
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	486.0	93.2 %
60 - 90	28.0	5.4 %
0 - 90	514.0	98.5 %
90 - 180	7.7	1.5 %
0 - 180	521.7	100 %

2700 K

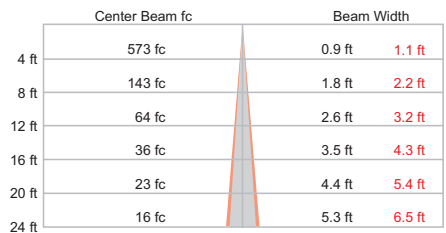
Lumens	Efficacy	CRI*	CRI R9*
823	46.4 lm/W	87	83.6

Polar Candela Distribution



	0	25	45	70	90
0	9166	9166	9166	9166	9166
5	4959	5087	5565	6312	6660
15	232	247	309	486	593
25	107	107	107	100	100
35	119	117	115	106	97
45	82	83	83	81	71
55	59	58	57	54	45
65	43	42	40	36	27
75	22	24	25	21	13
85	18	17	14	8	2
90	17	16	13	7	1

Illuminance at Distance



29.2 m (95.7 ft)
1 fc maximum distance

■ Vert. Spread: 12.5°
■ Horiz. Spread: 15.3°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%															
RCC %:		80	70	60	50	40	30	20	10	0	80	70	60	50	40	30	20
RW %:	0	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119
RCR %:	0	114	111	109	107	105	103	102	101	100	98	97	96	95	93	92	91
	2	109	105	101	98	107	103	100	90	100	97	95	97	94	93	94	92
	3	105	100	96	92	103	98	95	86	96	93	90	93	91	89	91	89
	4	102	96	91	88	100	94	90	83	92	89	86	90	87	85	88	86
	5	99	92	88	84	97	91	87	81	89	86	83	88	85	82	86	83
	6	96	89	85	81	95	88	84	79	87	83	80	85	82	80	84	81
	7	93	87	82	79	92	86	82	77	85	81	78	84	80	78	82	80
	8	91	84	80	77	90	84	80	76	83	79	76	82	79	76	81	78
	9	89	83	78	76	88	82	78	74	81	78	75	80	77	75	79	77
	10	88	81	77	74	87	80	77	73	80	76	74	79	76	74	78	75

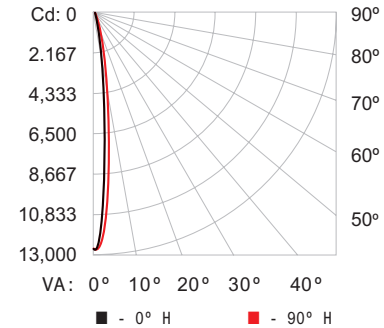
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	765.2	93.0 %
60 - 90	45.2	5.5 %
0 - 90	810.4	98.5 %
90 - 180	12.2	1.5 %
0 - 180	822.6	100 %

4000 K

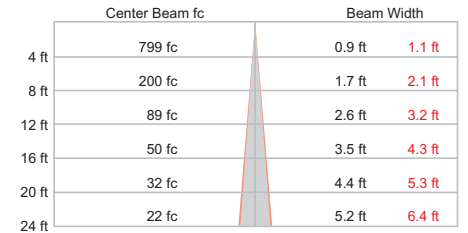
Lumens	Efficacy	CRI*	CRI R9*
1141	47.7 lm/W	88	83

Polar Candela Distribution



	0	25	45	70	90
0	12778	12778	12778	12778	12778
5	6951	7248	7916	8914	9409
15	328	355	456	692	831
25	148	149	147	139	139
35	166	162	158	146	135
45	113	114	115	111	98
55	82	81	79	74	62
65	60	59	56	49	38
75	30	33	34	28	18
85	25	23	20	11	3
90	23	21	18	9	1

Illuminance at Distance



34.4 m (113 ft)
1 fc maximum distance

■ Vert. Spread: 12.5°
■ Horiz. Spread: 15.2°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%															
RCC %:		80	70	60	50	40	30	20	10	0	80	70	60	50	40	30	20
RW %:	0	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119
RCR %:	0	114	111	109	107	105	103	102	101	100	98	97	96	95	93	92	91
	2	109	105	101	98	107	103	100	90	100	97	95	97	94	93	94	92
	3	105	100	96	92	103	98	95	86	96	93	90	93	91	89	91	89
	4	102	96	91	88	100	94	90	83	92	89	86	90	87	85	88	86
	5	99	92	88	84	97	91	87	81	89	86	83	88	85	82	86	83
	6	96	89	85	81	95	88	84	79	87	83	80	85	82	80	84	81
	7	94	87	82	79	92	86	82	77	85	81	78	84	80	78	82	80
	8	91	84	80	77	90	84	80	76	83	79	76	82	79	76	81	78
	9	89	83	78	76	88	82	78	74	81	78	75	80	77	75	79	77
	10	88	81	77	74	87	80	77	73	80	76	74	79	76	74	78	75

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	1061.4	93.0 %
60 - 90	62.4	5.5 %
0 - 90	1123.8	98.5 %
90 - 180	16.9	1.5 %
0 - 180	1140.7	100 %

* CRI refers to CRI Ra value, CRI R9 refers to R9 value in accordance with IESNA LM-79 standards.

For lux multiply fc by 10.7

Photometrics/SkyRibbon IntelliHue Wall Grazing Powercore

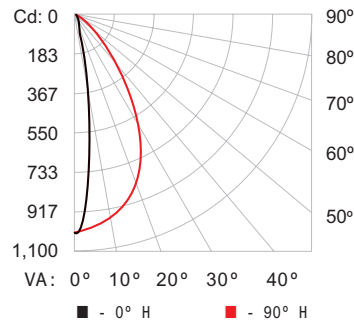
293 mm (11.535 in), 10° x 60° spread lens

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

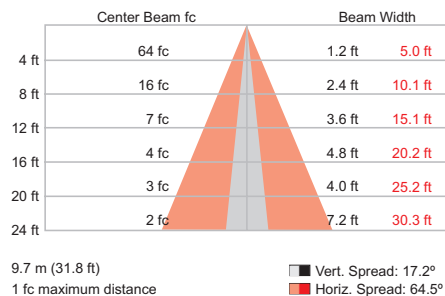
RGB channels only, full on

Lumens	Efficacy
447	24.6 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																				
RCC %:	80	70	50	30	10	0	80	70	50	30	10	0	80	70	50	30	10	0	80	0
RW %:	70	50	30	0	0	0	70	50	30	0	0	0	70	50	30	0	0	0	70	0
RCR:	0	119	119	119	119	119	0	119	119	119	119	119	0	119	119	119	119	119	0	119
	1	112	109	106	104	101	1	112	109	106	104	101	1	112	109	106	104	101	1	112
	2	106	100	96	92	88	2	106	100	96	92	88	2	106	100	96	92	88	2	106
	3	100	93	88	83	78	3	100	93	88	83	78	3	100	93	88	83	78	3	100
	4	95	87	81	76	71	4	95	87	81	76	71	4	95	87	81	76	71	4	95
	5	90	81	75	70	65	5	90	81	75	70	65	5	90	81	75	70	65	5	90
	6	86	76	70	66	61	6	86	76	70	66	61	6	86	76	70	66	61	6	86
	7	82	72	66	62	57	7	82	72	66	62	57	7	82	72	66	62	57	7	82
	8	78	68	62	58	53	8	78	68	62	58	53	8	78	68	62	58	53	8	78
	9	75	65	59	55	50	9	75	65	59	55	50	9	75	65	59	55	50	9	75
	10	72	62	56	52	47	10	72	62	56	52	47	10	72	62	56	52	47	10	72

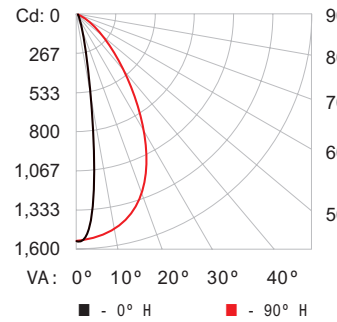
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	412.7	92.3 %
60 - 90	28.2	6.3 %
0 - 90	440.9	98.6 %
90 - 180	6.1	1.4 %
0 - 180	447.0	100 %

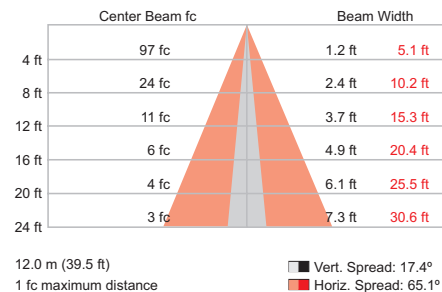
2700 K

Lumens	Efficacy
704	39.9 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																				
RCC %:	80	70	50	30	10	0	80	70	50	30	10	0	80	70	50	30	10	0	80	0
RW %:	70	50	30	0	0	0	70	50	30	0	0	0	70	50	30	0	0	0	70	0
RCR:	0	119	119	119	119	119	0	119	119	119	119	119	0	119	119	119	119	119	0	119
	1	112	109	106	104	101	1	112	109	106	104	101	1	112	109	106	104	101	1	112
	2	106	100	96	92	88	2	106	100	96	92	88	2	106	100	96	92	88	2	106
	3	100	93	88	83	78	3	100	93	88	83	78	3	100	93	88	83	78	3	100
	4	95	87	81	76	71	4	95	87	81	76	71	4	95	87	81	76	71	4	95
	5	90	81	75	70	65	5	90	81	75	70	65	5	90	81	75	70	65	5	90
	6	86	76	70	66	61	6	86	76	70	66	61	6	86	76	70	66	61	6	86
	7	82	72	66	62	57	7	82	72	66	62	57	7	82	72	66	62	57	7	82
	8	78	68	62	58	53	8	78	68	62	58	53	8	78	68	62	58	53	8	78
	9	74	64	58	54	49	9	74	64	58	54	49	9	74	64	58	54	49	9	74
	10	71	61	55	51	46	10	71	61	55	51	46	10	71	61	55	51	46	10	71

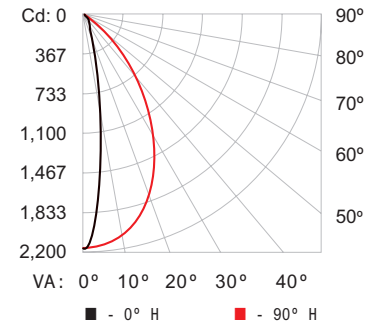
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	648.3	92.1 %
60 - 90	45.3	6.4 %
0 - 90	693.6	98.5 %
90 - 180	10.4	1.5 %
0 - 180	704.0	100 %

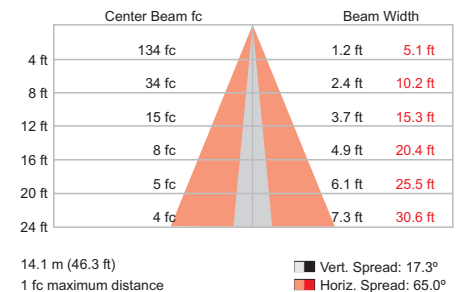
4000 K

Lumens	Efficacy
923	40.8 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																				
RCC %:	80	70	50	30	10	0	80	70	50	30	10	0	80	70	50	30	10	0	80	0
RW %:	70	50	30	0	0	0	70	50	30	0	0	0	70	50	30	0	0	0	70	0
RCR:	0	119	119	119	119	119	0	119	119	119	119	119	0	119	119	119	119	119	0	119
	1	112	109	106	104	101	1	112	109	106	104	101	1	112	109	106	104	101	1	112
	2	106	100	96	92	88	2	106	100	96	92	88	2	106	100	96	92	88	2	106
	3	100	93	88	83	78	3	100	93	88	83	78	3	100	93	88	83	78	3	100
	4	95	87	81	76	71	4	95	87	81	76	71	4	95	87	81	76	71	4	95
	5	90	81	75	70	65	5	90	81	75	70	65	5	90	81	75	70	65	5	90
	6	86	76	70	66	61	6	86	76	70	66	61	6	86	76	70	66	61	6	86
	7	82	72	66	62	57	7	82	72	66	62	57	7	82	72	66	62	57	7	82
	8	78	68	62	58	53	8	78	68	62	58	53	8	78	68	62	58	53	8	78
	9	74	64	58	54	49	9	74	64	58	54	49	9	74	64	58	54	49	9	74
	10	71	61	55	51	46	10	71	61	55	51	46	10	71	61	55	51	46	10	71

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	896.3	92.1 %
60 - 90	62.3	6.4 %
0 - 90	958.6	98.6 %
90 - 180	14.1	1.4 %
0 - 180	972.7	100 %

For lux multiply fc by 10.7

Photometrics/SkyRibbon IntelliHue Wall Grazing Powercore

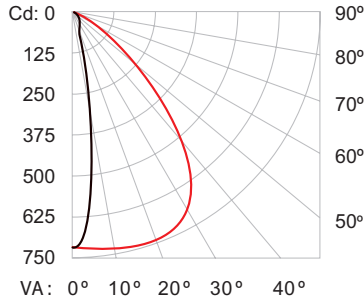
293 mm (11.535 in), 10° x 90° spread lens

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

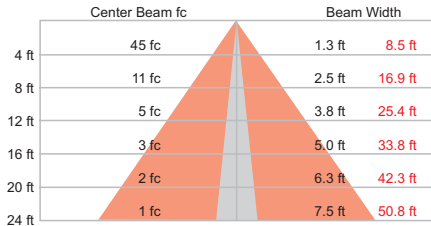
Lumens	Efficacy
439	24.2 lm/W

Polar Candela Distribution



	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
85	9	9	7	6	4
90	9	8	7	4	1

Illuminance at Distance



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

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	50	30	10	0
RW %:	70	50	30	10	0	0
RCC %:	0	119	119	119	119	119
RCC %:	1	111	108	105	102	100
RCC %:	2	104	98	93	89	86
RCC %:	3	98	90	84	79	75
RCC %:	4	92	83	76	71	66
RCC %:	5	87	77	70	65	60
RCC %:	6	82	71	64	59	55
RCC %:	7	77	67	60	55	50
RCC %:	8	73	62	56	51	47
RCC %:	9	69	59	52	47	43
RCC %:	10	66	55	49	44	40

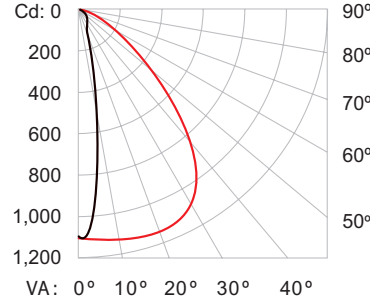
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	400.0	91.0 %
60 - 90	32.9	7.5 %
0 - 90	432.9	98.5 %
90 - 180	6.5	1.5 %
0 - 180	439.4	100 %

2700 K

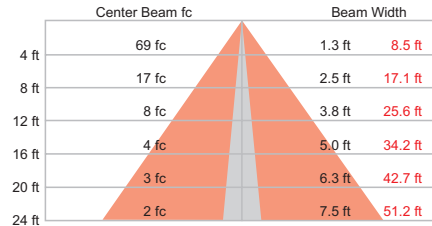
Lumens	Efficacy
687	39.0 lm/W

Polar Candela Distribution



	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

Illuminance at Distance



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

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%												
RCC %:	80		70		50		30		10		0	
RW %:	70	50	30	10	70	50	30	10	70	50	30	10
1	119	119	119	119	116	116	116	116	110	110	110	110
2	111	108	105	102	109	105	103	89	101	99	95	93
3	104	98	93	89	102	95	92	89	93	86	84	81
4	98	90	84	79	95	88	87	83	87	79	75	70
5	92	83	76	71	90	83	79	77	80	73	69	66
6	86	76	69	64	85	75	69	67	71	66	63	60
7	81	71	64	59	80	70	63	57	68	62	58	55
8	77	66	59	54	75	65	59	54	64	58	54	50
9	73	62	55	51	72	62	56	51	60	55	51	47
10	69	58	52	47	68	58	51	46	57	51	47	43
11	66	55	49	44	65	55	48	44	54	48	44	40

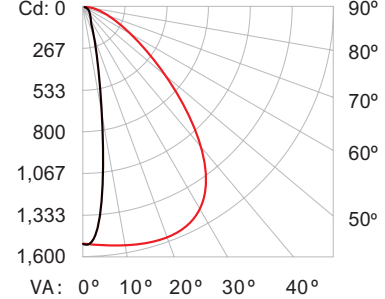
Zonal Lumen

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 %

4000 K

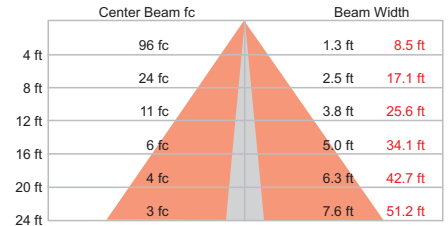
Lumens	Efficacy
957	40.1 lm/W

Polar Candela Distribution



	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



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

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Refraction: 20%												
RCC %:	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
RCCR: 0	119	119	119	119	119	119	116	116	116	116	110	110
1	111	108	105	102	100	100	109	105	103	99	101	99
2	104	98	93	89	86	86	98	93	88	84	89	86
3	98	90	84	79	75	75	88	83	78	73	83	79
4	92	83	76	71	66	66	81	76	72	68	78	72
5	86	76	70	64	60	60	75	69	63	58	71	66
6	81	71	64	59	55	55	70	63	57	52	66	60
7	77	66	59	54	50	50	67	59	53	48	63	57
8	73	62	55	51	47	47	63	55	49	44	59	54
9	69	58	52	47	43	43	60	52	46	41	56	50
10	66	55	49	44	40	40	58	50	44	39	54	48

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

Photometrics/SkyRibbon IntelliHue Wall Grazing Powercore

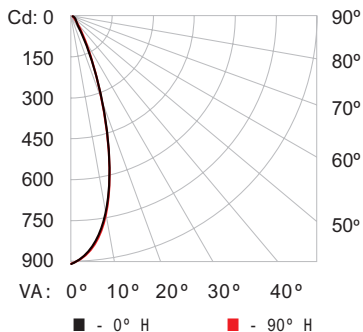
293 mm (11.535 in), 30° x 30° spread lens

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

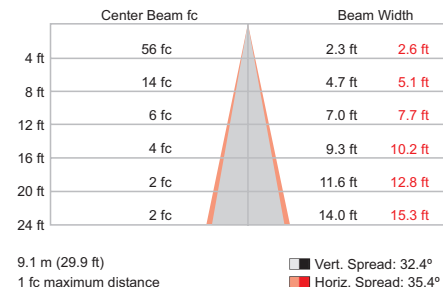
Lumens	Efficacy
425	23.9 lm/W

Polar Candela Distribution



VA: 0°	10°	20°	30°	40°
0	894	894	894	894
5	854	850	850	852
15	555	551	554	561
25	246	250	254	240
35	87	90	93	86
45	51	51	50	47
55	41	40	38	34
65	32	31	29	24
75	21	21	21	15
85	17	15	13	8
90	16	15	12	6

Illuminance at Distance



9.1 m (29.9 ft)
1 fc maximum distance
Vert. Spread: 32.4°
Horiz. Spread: 35.4°

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	60	50	30	20	10	0
RW %:	70	50	30	0	70	50	30	0
RCR:	0	118	118	118	118	115	115	115
1	112	108	105	103	109	106	103	89
2	106	100	96	92	103	98	94	82
3	100	93	88	84	98	92	87	76
4	95	87	82	77	93	86	81	72
5	91	82	76	72	89	81	75	67
6	87	78	72	67	85	77	71	65
7	83	74	68	64	81	73	67	61
8	80	70	64	60	78	70	64	58
9	76	67	61	57	75	66	61	55
10	73	64	59	55	72	64	58	54

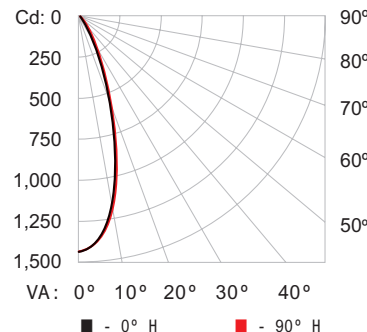
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	379.4	89.3 %
60 - 90	32.8	7.7 %
0 - 90	412.2	97.1 %
90 - 180	12.5	2.9 %
0 - 180	424.7	100 %

2700 K

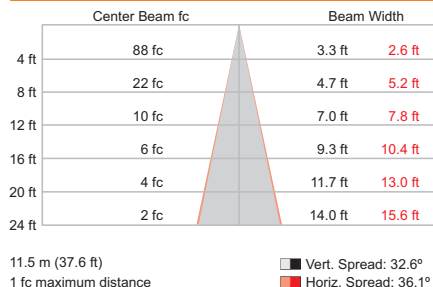
Lumens	Efficacy
688	39.1 lm/W

Polar Candela Distribution



VA: 0°	10°	20°	30°	40°
0	1415	1415	1415	1415
5	1346	1343	1345	1350
15	876	872	884	899
25	391	401	413	395
35	139	144	151	143
45	82	82	81	77
55	65	64	61	56
65	51	50	46	39
75	34	35	33	24
85	26	24	20	13
90	24	23	19	10

Illuminance at Distance



11.5 m (37.6 ft)
1 fc maximum distance
Vert. Spread: 32.6°
Horiz. Spread: 36.1°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																								
RCC %:	80			70			60			50			30			20			10			0		
RW %:	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0
RCR:	0	118	118	118	115	115	115	97	109	109	109	103	104	104	104	100	99	99	99	99	99	99	99	99
1	112	108	105	103	109	106	103	89	101	99	97	95	94	93	92	91	93	92	91	90	89	88	87	86
2	106	100	96	92	103	98	94	82	94	91	88	87	86	85	83	82	86	85	83	82	81	80	79	78
3	100	93	88	84	98	92	87	76	88	84	81	80	79	78	76	75	82	79	78	77	76	75	74	73
4	95	87	82	77	93	86	81	72	84	80	77	76	75	73	72	71	77	74	73	72	71	70	69	68
5	91	82	76	72	89	81	75	67	77	72	69	68	67	65	64	63	72	69	68	67	66	65	64	63
6	87	77	71	67	85	77	71	65	75	70	66	65	64	63	62	61	68	65	64	63	62	61	60	59
7	83	73	67	63	81	73	67	61	71	66	62	61	60	59	58	57	65	62	61	60	59	58	57	56
8	79	70	64	60	78	69	64	58	67	62	59	58	57	56	55	54	62	59	58	57	56	55	54	53
9	76	67	61	57	75	66	61	55	65	60	56	55	54	53	52	51	59	56	55	54	53	52	51	50
10	73	64	59	55	72	63	58	53	63	57	54	53	52	51	50	49	57	54	53	52	51	50	49	48

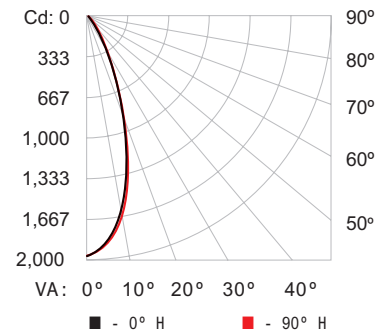
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	614.8	89.3 %
60 - 90	53.0	7.7 %
0 - 90	667.8	97.0 %
90 - 180	20.6	3.0 %
0 - 180	688.4	100 %

4000 K

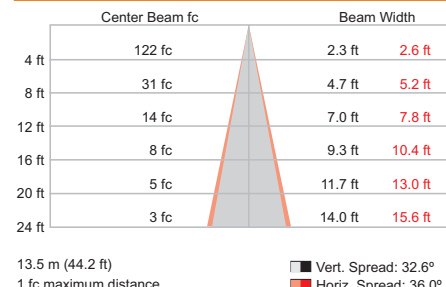
Lumens	Efficacy
953	40.0 lm/W

Polar Candela Distribution



VA: 0°	10°	20°	30°	40°
0	1958	1958	1958	1958
5	1865	1861	1865	1872
15	1211	1210	1228	1252
25	541	556	573	551
35	193	201	210	200
45	114	114	113	106
55	89	88	85	77
65	70	68	64	53
75	46	47	45	34
85	35	33	27	17
90	33	31	26	14

Illuminance at Distance



13.5 m (44.2 ft)
1 fc maximum distance
Vert. Spread: 32.6°
Horiz. Spread: 36.0°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflection: 20%										
RCC %:	70				50		30			10
RW %:	70	50	30	0	70	50	30	10	0	
RCR:	0	118	118	118	115	115	115	97	97	
1	112	108	105	103	109	106	103	89	89	
2	106	100	96	92	103	98	94	82	82	
3	100	93	88	83	98	91	87	76	76	
4	95	87	82	77	93	86	81	72	72	
5	91	82	76	72	89	81	75	67	67	
6	87	77	71	67	85	77	71	65	65	
7	83	73	67	63	81	73	67	61	61	
8	79	70	64	60	78	70	64	58	58	
9	76	67	61	57	75	66	61	55	55	
10	73	64	59	55	72	64	58	54	54	

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	852.3	89.4 %
60 - 90	72.9	7.6 %
0 - 90	925.2	97.0 %
90 - 180	28.2	3.0 %
0 - 180	953.4	100 %

For lux multiply fc by 10.7

Photometrics/SkyRibbon IntelliHue Wall Grazing Powercore

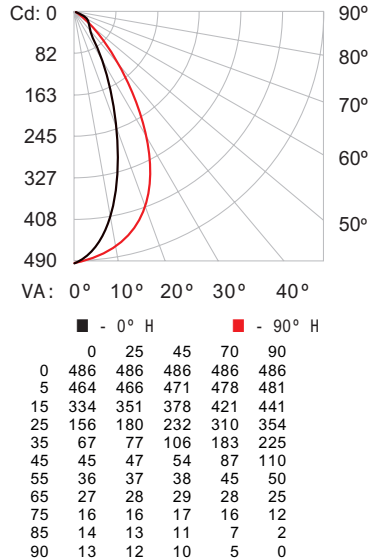
293 mm (11.535 in), 30° × 60° spread lens

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

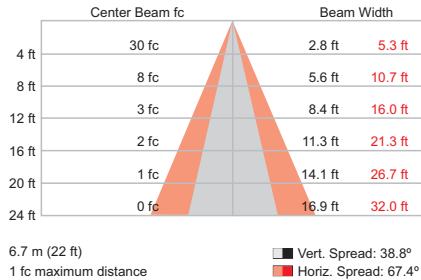
RGB channels only, full on

Lumens	Efficacy
432	23.7 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%												
RCC %:	80	70	60	50	30	20	10	0	80	70	60	50
RW %:	119	119	119	119	119	119	119	119	119	119	119	119
RCR:	0	111	108	105	102	101	99	96	97	95	93	91
	1	104	98	94	89	102	97	92	81	89	86	84
	2	98	90	85	80	96	89	83	74	86	81	77
	3	92	84	77	72	90	82	76	68	80	75	70
	4	87	78	71	66	85	76	70	63	74	69	63
	5	82	72	66	61	81	71	65	58	69	64	57
	6	78	68	61	56	77	67	61	54	65	59	51
	7	74	64	57	52	73	63	57	51	62	56	48
	8	70	60	53	48	69	59	53	48	58	52	44
	9	67	57	50	46	66	56	50	45	55	49	41
	10											

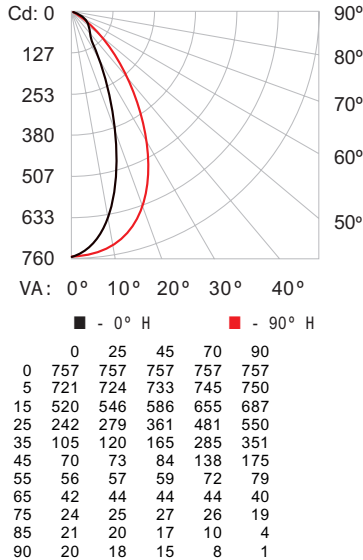
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	388.8	89.9 %
60 - 90	34.1	7.9 %
0 - 90	422.9	97.8 %
90 - 180	9.6	2.2 %
0 - 180	432.4	100 %

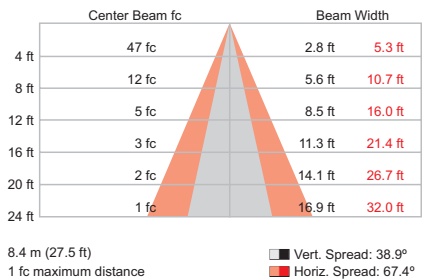
2700 K

Lumens	Efficacy
678	38.3 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%												
RCC %:	80	70	60	50	30	20	10	0	80	70	60	50
RW %:	119	119	119	119	119	119	119	119	119	119	119	119
RCR:	0	111	108	105	103	101	99	96	97	95	93	91
	1	104	98	93	89	102	96	92	81	89	86	84
	2	98	90	84	80	96	89	83	74	86	81	77
	3	92	83	77	72	90	82	76	68	80	75	70
	4	87	77	71	66	85	76	70	63	74	69	63
	5	82	72	65	61	81	71	65	58	69	64	57
	6	78	68	61	56	77	67	61	54	65	59	51
	7	74	63	57	52	73	63	57	51	62	56	48
	8	70	60	53	48	69	59	53	48	58	52	44
	9	67	57	50	46	66	56	50	45	55	49	41
	10											

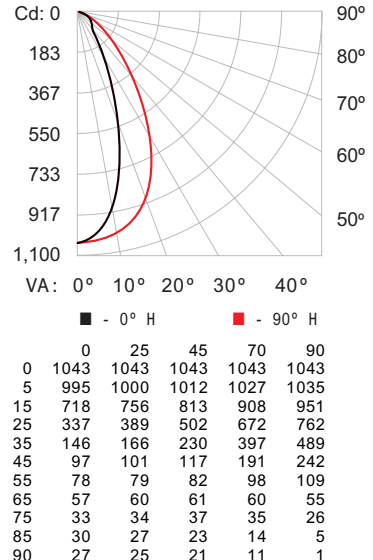
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	609.7	89.9 %
60 - 90	53.3	7.9 %
0 - 90	663.0	97.8 %
90 - 180	15.0	2.2 %
0 - 180	678.0	100 %

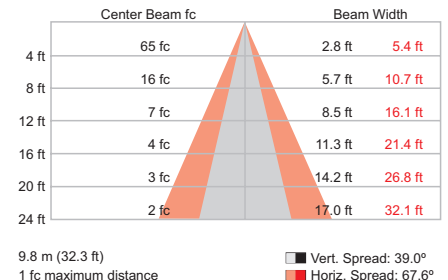
4000 K

Lumens	Efficacy
938	39.2 lm/W

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%												
RCC %:	80	70	60	50	30	20	10	0	80	70	60	50
RW %:	119	119	119	119	119	119	119	119	119	119	119	119
RCR:	0	111	108	105	103	101	99	96	97	95	93	91
	1	104	98	93	89	102	96	92	81	89	86	84
	2	98	90	84	80	96	89	83	74	86	81	77
	3	92	84	77	72	90	82	76	68	80	75	70
	4	87	77	71	66	85	76	70	63	74	69	63
	5	82	72	65	61	81	71	65	58	69	64	57
	6	78	68	61	56	77	67	61	54	65	59	51
	7	74	63	57	52	73	63	57	51	62	56	48
	8	70	60	53	48	69	59	53	48	58	52	44
	9	67	57	50	46	66	56	50	45	55	49	41
	10											

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	844.0	90.0 %
60 - 90	73.3	7.8 %
0 - 90	917.3	97.8 %
90 - 180	20.7	2.2 %
0 - 180	938.0	100 %

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*	522	823	1141
	Efficacy (lm/W)	28.6	46.4	47.7
	CRI		87	88
	CRI R9		83.6	83
	Power Factor	0.82 @ 120 VAC	0.81 @ 120 VAC	0.88 @ 120 VAC
	LED Channels	Red/Green/Blue/Mint White/4000k		
Electrical	Input Voltage	120 VAC, 220 — 240 VAC, 277 VAC, 50/60 Hz		
	Power Consumption	25 W (293 mm/11.535 in 120/277 VAC) 100 W (1172 mm/46.142 in 120/277 VAC) 23 W (293 mm/11.535 in 220 — 240 VAC) 90 W (1172 mm/46.142 in 220 — 240 VAC)		
Control	Interface	Data Enabler Pro (DMX/Ethernet)		
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, 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		

* Lumen output measurements comply with IES LM-79-08 testing procedures. 1172 mm (46.142 in) measurements are estimated based on the 293 mm (11.535 in) measurements.

† Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.



OPTIBIN[®] | POWERCORE[®] | DIMAND[®]
CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY

Lumen Maintenance

Threshold‡	Ambient Temp.	Useful Life§	Measurement Type§
L90	@ 25° C	60,000 hrs	Reported
	@ 40° C	56,000 hrs	Reported
L80	@ 25° C	100,000 hrs	Calculated
	@ 40° C	100,000 hrs	Calculated
L70	@ 25° C	>100,000 hrs	Calculated
	@ 40° C	100,000 hrs	Calculated
L50	@ 25° C	>100,000 hrs	Calculated
	@ 40° C	>100,000 hrs	Calculated

‡ Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

§ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

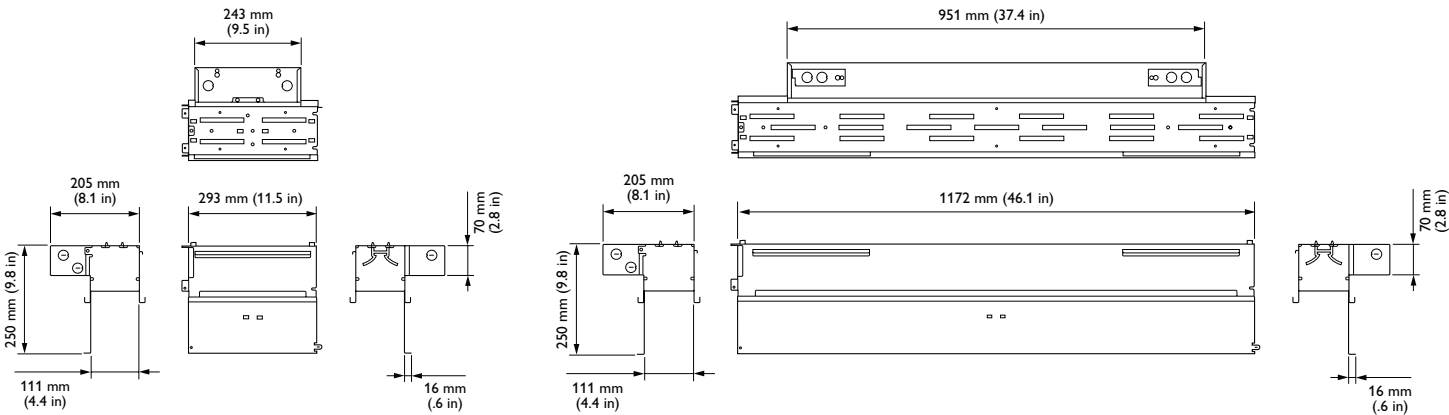
Dimensions and Weight

Luminaire	Physical Characteristics	T-Bar / Slotted-T	Flanged	Flangeless
293 mm (11.535 in)	Housing Dimensions <i>Height x Width x Depth</i>	251 x 293 x 205 mm (9.9 x 11.535 x 8.1 in)	251 x 293 x 205 mm (9.9 x 11.535 x 8.1 in)	251 x 293 x 205 mm (9.9 x 11.535 x 8.1 in)
	Assembled Weight¶	3.3 kg (7.3 lbs)	3.3 kg (7.3 lbs)	3.3 kg (7.3 lbs)
1172 mm (46.142 in)	Housing Dimensions <i>Height x Width x Depth</i>	251 x 1172 x 205 mm (9.9 x 46.142 x 8.1 in)	251 x 1172 x 205 mm (9.9 x 46.142 x 8.1 in)	251 x 1172 x 205 mm (9.9 x 46.142 x 8.1 in)
	Assembled Weight¶	11.4 kg (25.1 lb)	11.4 kg (25.1 lb)	11.4 kg (25.1 lb)

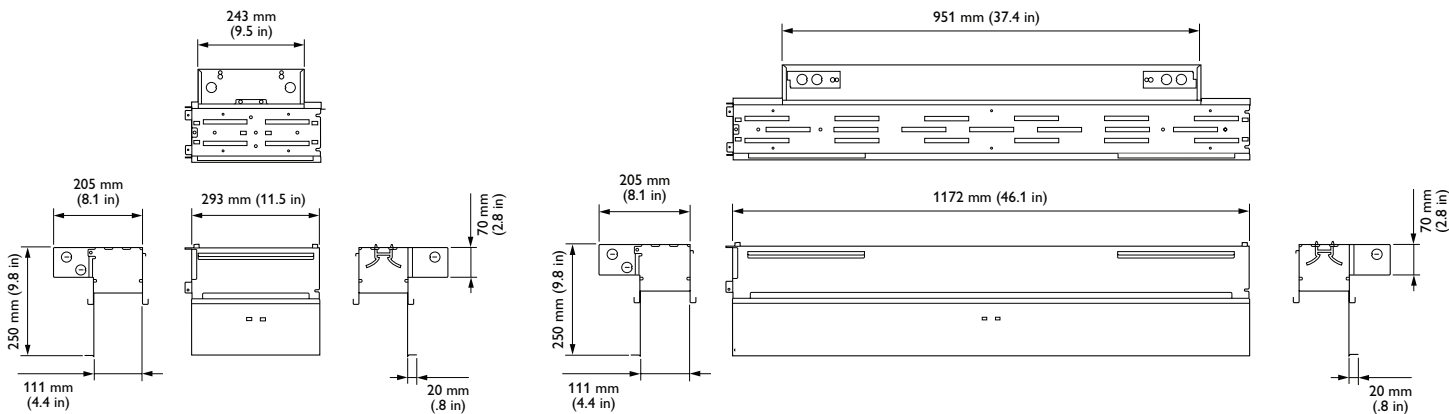
¶ Assembled weight includes luminaire housing and LED module.

CE Dimensional Diagrams, 220 VAC - 277 VAC

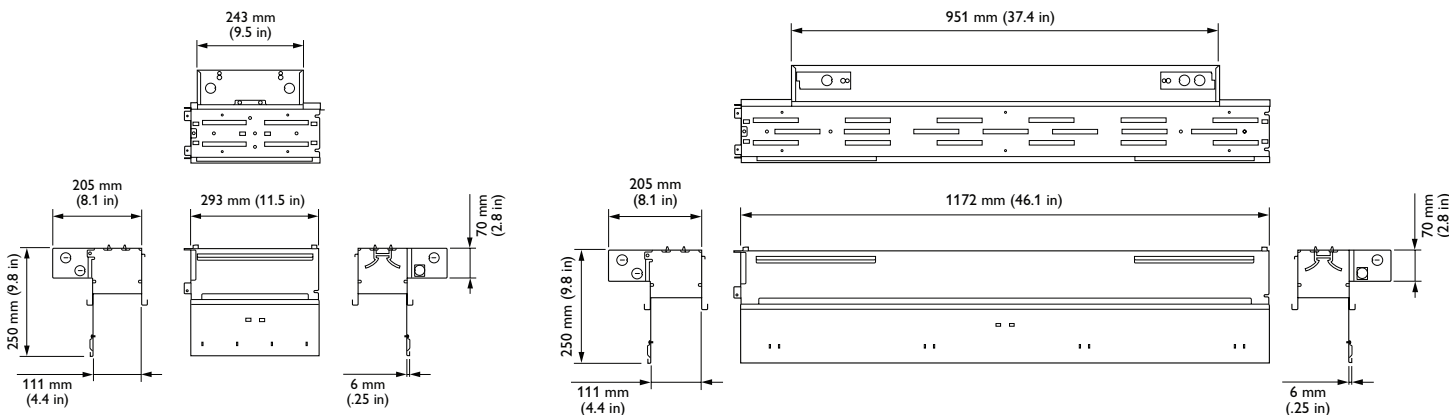
SkyRibbon Wall Grazing Powercore Flanged Housing, 220 – 240 VAC



SkyRibbon Wall Grazing Powercore Flangeless Housing, 220 – 240 VAC

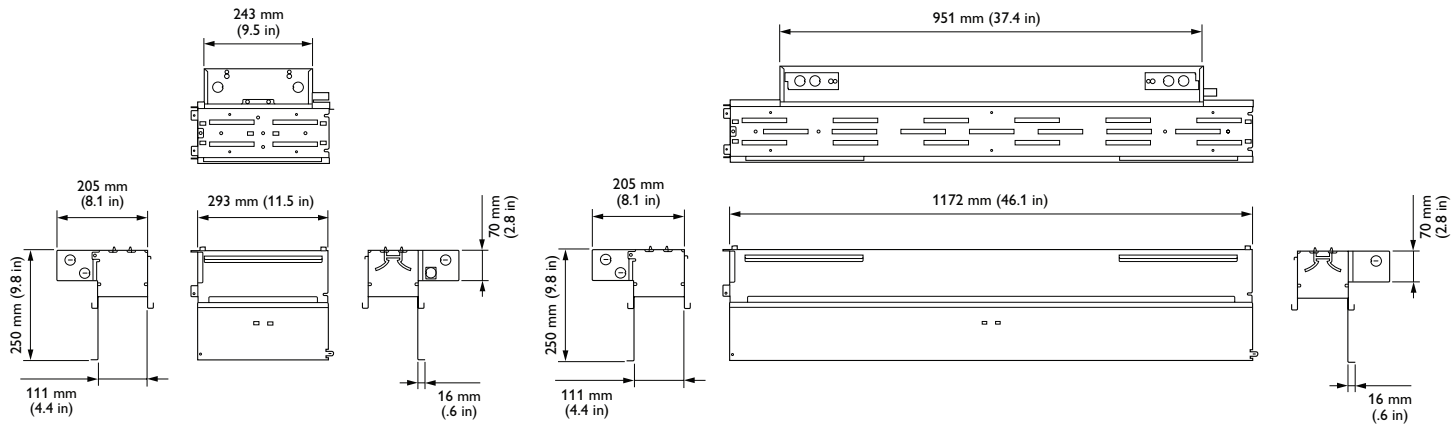


SkyRibbon Wall Grazing Powercore T-Bar/Slotted-T Housing, 220 – 240 VAC

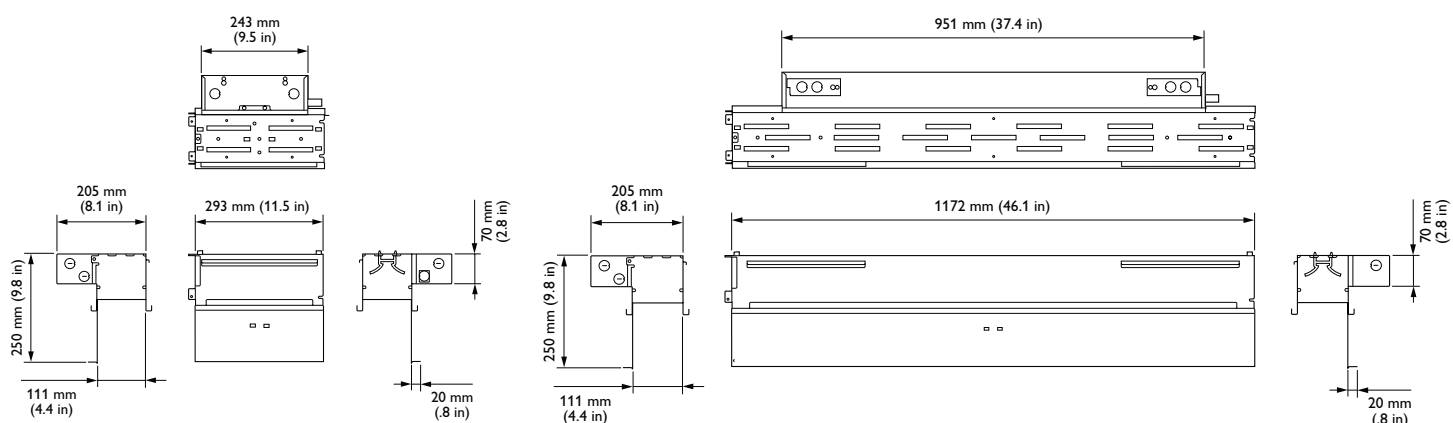


UL Dimensional Diagrams, 120 VAC/277 VAC

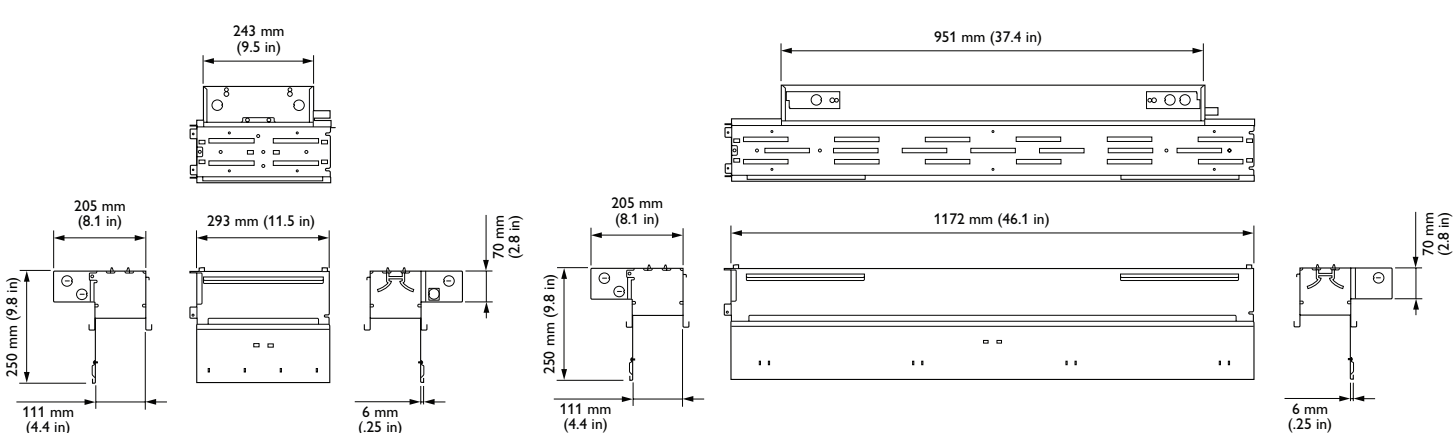
SkyRibbon Wall Grazing Powercore Flanged Housing, 120/277 VAC



SkyRibbon Wall Grazing Powercore Flangeless Housing, 120/277 VAC

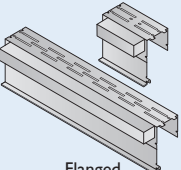
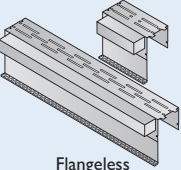
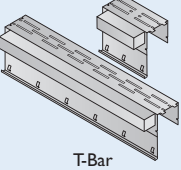
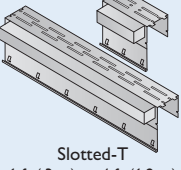
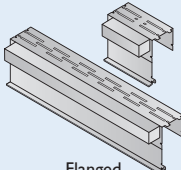
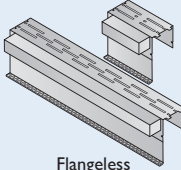
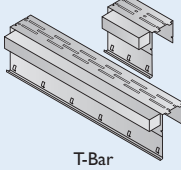
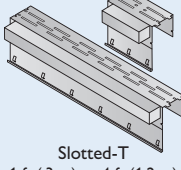
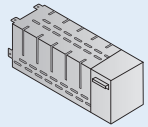
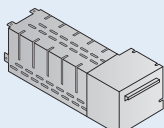
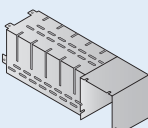
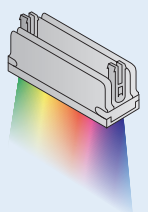
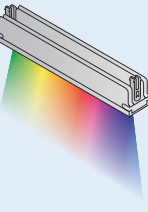
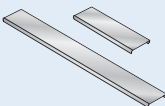
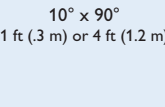
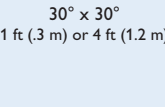
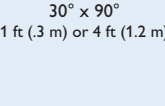
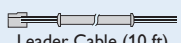
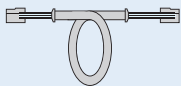
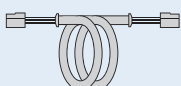
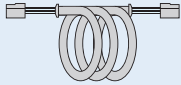
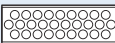
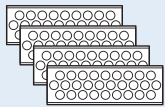
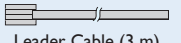
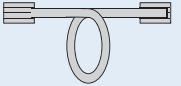
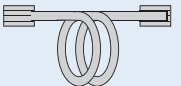
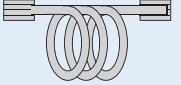
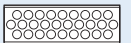
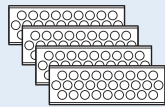


SkyRibbon Wall Grazing Powercore T-Bar/Slotted-T Housing, 120/277 VAC



Product Selection

To order a complete SkyRibbon IntelliHue Wall Grazing Powercore luminaire, choose a housing (voltage, length, and type), an LED module, and optional spread lens, leader cable, jumper cable, and louver.

1 Choose housing type	2 Choose terminal housing and optional corners	3 Choose LED Module	4 Choose optional spread lens	5 Choose accessories		
120 VAC or 277 VAC  Flanged 1 ft (.3 m) or 4 ft (1.2 m)  Flangeless 1 ft (.3 m) or 4 ft (1.2 m)  T-Bar 1 ft (.3 m) or 4 ft (1.2 m)  Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)	220 – 240 VAC  Flanged 1 ft (.3 m) or 4 ft (1.2 m)  Flangeless 1 ft (.3 m) or 4 ft (1.2 m)  T-Bar 1 ft (.3 m) or 4 ft (1.2 m)  Slotted-T 1 ft (.3 m) or 4 ft (1.2 m)	 Terminal  Joiner Plate (to terminate run)  Inside Corner  Outside Corner	 (1 ft / .3 m)  (4 ft / 1.2 m)	 10° x 60° 1 ft (.3 m) or 4 ft (1.2 m)  10° x 90° 1 ft (.3 m) or 4 ft (1.2 m)  30° x 30° 1 ft (.3 m) or 4 ft (1.2 m)  30° x 90° 1 ft (.3 m) or 4 ft (1.2 m)	120 VAC / 277 VAC  Leader Cable (10 ft)  Jumper Cable (1 ft)  Jumper Cable (4 ft)  Jumper Cable (8 ft)  Louver (1 ft / .3 m)  Louver Kit (4 ft / 1.2 m)	220 – 240 VAC  Leader Cable (3 m)  Jumper Cable (0.9 m)  Jumper Cable (1.4 m)  Jumper Cable (1.7 m)  Louver (1 ft / .3 m)  Louver Kit (4 ft / 1.2 m)

* 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.

† For 220 — 240 VAC installations, you must use leader and jumper cables.

Housing and Terminal Options

Item	Style	Length	Voltage	Item Number	Philips 12NC
Housing	Flanged	293 mm	220 – 240 VAC	172-000073-31	910503704347
		1172 mm	220 – 240 VAC	172-000073-29	910503704345
		11.535 in	120 VAC	172-000073-10	910503704326
			277 VAC	172-000073-22	910503704338
		46.142 in	120 VAC	172-000073-07	910503704323
			277 VAC	172-000073-19	910503704335
	Flangeless	293 mm	220 – 240 VAC	172-000073-42	910503705013
		1172 mm	220 – 240 VAC	172-000073-44	910503705015
		11.535 in	120 VAC	172-000073-11	910503704327
			277 VAC	172-000073-23	910503704339
		46.142 in	120 VAC	172-000073-08	910503704324
			277 VAC	172-000073-20	910503704336
	T-Bar / Slotted-T	293 mm	220 – 240 VAC	172-000073-30	910503704346
		1172 mm	220 – 240 VAC	172-000073-28	910503704344
		11.535 in	120 VAC	172-000073-09	910503704325
			277 VAC	172-000073-21	910503704337
		46.142 in	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	293 mm (11.535 in)	IntelliHue	123-000073-00	910503702669
	1172 mm (46.142 in)	IntelliHue	123-000073-01	910503702670
Spread lens	293 mm (11.535 in)	10° x 60°	120-000173-02	910503704574
		10° x 90°	120-000173-01	910503704573
		30° x 30°	120-000173-03	910503704575
		30° x 60°	120-000173-04	910503704576
	1172 mm (46.142 in)	10° x 60°	120-000173-07	910503704579
		10° x 90°	120-000173-14	912400130391
		30° x 30°	120-000173-08	910503704580
		30° x 60°	120-000173-09	910503704581
Louver	293 mm (11.535 in)		120-000173-00	910503704572
	1172 mm (46.142 in)		120-000173-12	910503705053

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.

Installation

SkyRibbon IntelliHue Wall Grazing 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.

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

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate SkyRibbon IntelliHue Wall Grazing 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 Grazing 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:

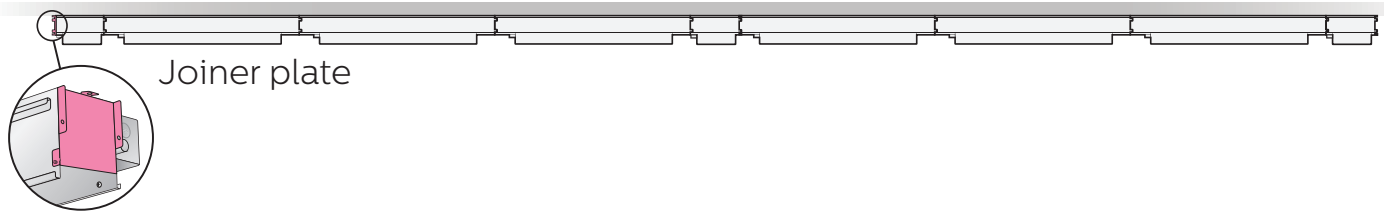
- Confirm voltage rating of the luminaire matches the voltage requirement your installation.
- You can connect SkyRibbon IntelliHue Wall Grazing luminaires in series or parallel using either flexible conduit jumpers or hard wiring power directly to the luminaires.
- You can mix 293 mm (11.535 in) and 1172 mm (46.142 in) SkyRibbon IntelliHue Wall Grazing 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 Grazing 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.

Wall Grazing Installation Variations

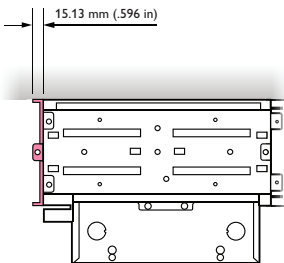
With two lengths, 293 mm (11.535 in) and 1172 mm (46.142 in), and adjustable terminal housings, it is now possible to create a continuous perimeter slot with SkyRibbon Wall Grazing Powercore luminaires. This guide outlines three common examples of SkyRibbon Wall Grazing Powercore installations to help lighting designers and contractors specify, layout, and construct their space.

In order for SkyRibbon Wall Grazing Powercore luminaires to create the appearance of a seamless perimeter slot, the system must be carefully laid out prior to installation using the final onsite dimensions. Careful consideration must be taken for how to start, turn corners, and end a run of luminaires. This guide will help specifiers choose the appropriate components needed to complete an installation, as well as providing guidance to contractors about how to make onsite adjustments.

Scenario 1: Partially Illuminated Wall with Joiner Plate



Joiner plate



✳ If measurements need to be exact use a straight terminal housing instead of a joiner plate to end run.

Wall Length (8 M / 26.25 ft of a 12 M wall)

Step 1 - Determine how many 1172 mm (46.142 in) luminaires you will need

	mm	in.
Length of wall being illuminated	8,000	315
Divide by the length of the 1172 mm (46.142 in) luminaire	$8,000 / 1,172$	$315 / 46.142$
	6.83	6.83
Round down to the nearest whole number	6	6

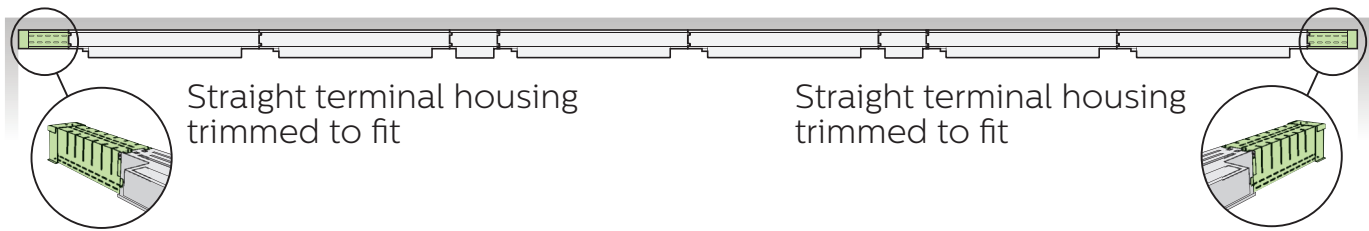
Step 2 - Determine the number of 293 mm (11.535 in) luminaires you will need

	mm	in.
Multiply number of 1172 mm (46.142 in) luminaires needed by length	$6 \times 1,172$	6×46.142
	7,032	276.852
Subtract that number from total length of wall being illuminated	$8,000 - 7,032$	$315 - 276.852$
	968	38.148
Divide by the length of the 293 mm (11.535 in) luminaire	$968 / 293$	$38.148 / 11.535$
	3.3	3.3
Round down to the nearest whole number	3	3

Step 3 - Ensure you have enough room for the joiner plate to end run

	mm	in
Add the total length of 293 mm (11.535 in) luminaires needed to the total length of 1172 mm (46.142 in) luminaires needed	$(3 \times 293) + (6 \times 1,172)$	$(3 \times 11.535) + (6 \times 46.142)$
	7,911	311.457
Subtract that number from total wall length being illuminated	$8,000 - 7,911$	$315 - 311.457$
	89	3.543
Ensure the remainder is greater than or equal to joiner plate width used to end the run	≥ 15.13	≥ 0.595

Scenario 2: End-to-End Wall Installation with Terminal Housings



Wall Length (8 M / 26 ft)

Step 1 - Determine how many 1172 mm (46.142 in) luminaires you will need

	mm	inches
Length of wall	8,000	312
Divide by the length of the 1172 mm (46.142 in) luminaire	8,000 / 1,172	312 / 46.142
	6.83	6.76
Round down to the nearest whole number	6	6

Step 2 – Determine the number of 293 mm (11.535 in) luminaires you will need

	mm	inches
Multiply number of 1172 mm (46.142 in) luminaires needed by length	6 x 1,172	6 x 46.142
	7,032	276.852
Subtract that number from the total wall length	8,000 - 7,032	312 - 276.852
	968	35.148
Divide by the length of the 293 mm (11.535 in) luminaire	968 / 293	35.148 / 11.535
	3.3	3.05
Round down to the nearest whole number	3	3

Step 3 – Calculate your remaining wall length

	mm	inches
Add the total length of 293 mm (11.535 in) luminaires needed to the total length of 1172 mm (46.142 in) luminaires needed	(3 x 293) + (6 x 1,172)	(3 x 11.535) + (6 x 46.142)
	7,911	311.457
Subtract that number from your total wall length	8,000-7,911	312 – 311.457
	89	0.543

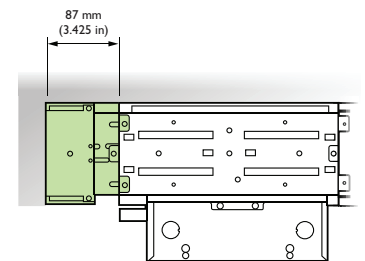
Step 4 – Ensure you have enough space for both terminal housings

	mm	inches
Ensure the remaining length is within the tolerance of the adjustable terminal housing.		
a. $\geq$ twice the length minimum terminal housing length – 174 mm (6.85 in) x 2, and		
b. $\leq$ twice the maximum terminal housing length, – 772 mm (30.392 in)x 2		
If not then remove a 293 mm (11.535 in) from your run and recalculate your remaining wall length	(2 x 293) + (6 x 1,172)	(2 x 11.535) + (6 x 46.142)
	7,618	299.922
Subtract that number from total wall length and check check the tolerance again.	8,000-7,618	312 – 299.992
	382	12.008

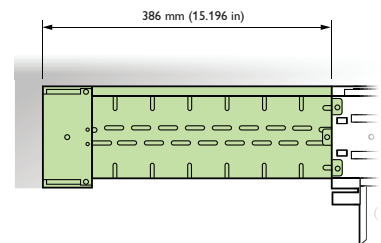
Step 5 – Calculate the trim length for each terminal housing

	mm	inches
Divide your remaining wall length by 2	382/2	12.008/2
This is the length you will trim each terminal housing to	191	6.004

Straight Terminal Housing



Minimum housing length

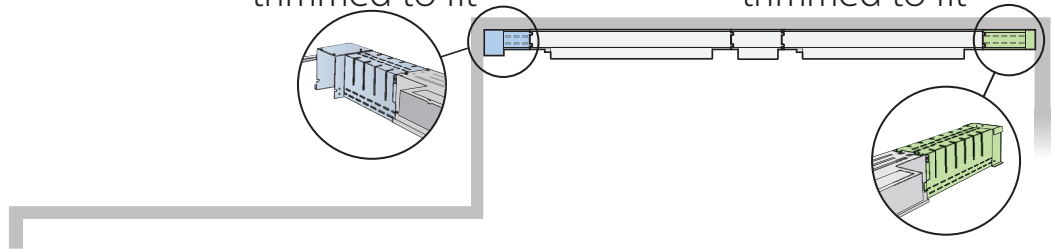


Maximum housing length

Scenario 3: Full Wall Installation with Inside and Outside Corner Housings

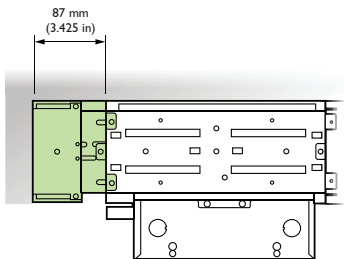
Inside terminal housing
trimmed to fit

Straight terminal housing
trimmed to fit

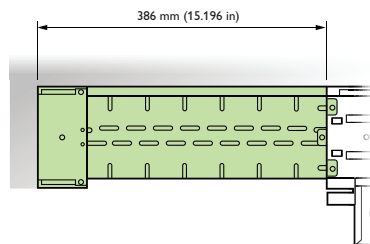


Calculated from Right to Left - Wall 1 (3 M / 9.75 ft)

Straight Terminal Housing

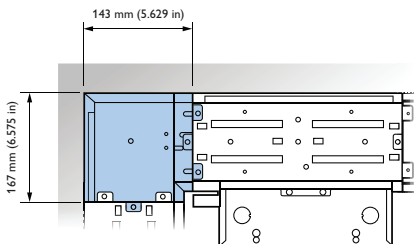


Minimum housing length

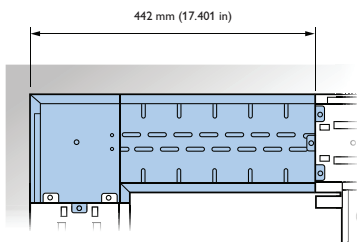


Maximum housing length

Inside Terminal Housing



Minimum housing length



Maximum housing length

Step 1 – Determine how many 1172 mm (46.142 in) luminaires you will need

	mm	inches
Wall length	3,000	117
Divide by the length of the 1172 mm (46.142 in) luminaire	$3,000 / 1,172$	$117 / 46.142$
	2.6	2.5
Round down to the nearest whole number	2	2

Step 2 – Determine the number of 293 mm (11.535 in) luminaires you will need

	mm	inches
Multiply number of 1172 mm (46.142 in) luminaires needed by length	$2 \times 1,172$	2×46.142
	2344	92.284
Subtract that number from total wall length	$3,000 - 2,344$	$117 - 92.284$
	656	24.716
Divide by the length of the 293 mm (11.535 in) luminaire	$656 / 293$	$24.716 / 11.535$
	2.2	2.1
Round down to the nearest whole number	2	2

Step 3 – Calculate your remaining wall length

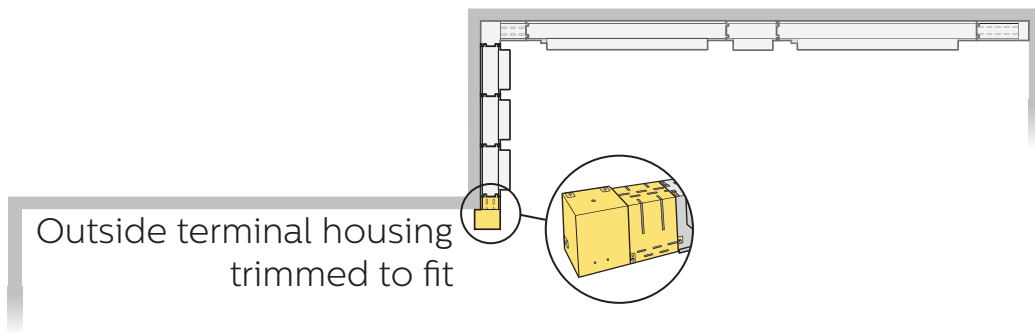
	mm	inches
Add the total length of 293 mm (11.535 in) luminaires needed to the total length of 1172 mm (46.142 in) luminaires needed	$(2 \times 293) + (2 \times 1,172)$	$(2 \times 11.535) + (2 \times 46.142)$
	2,930	115.354
Subtract that number from your total wall length	$3,000 - 2,930$	$117 - 115.354$
	70	1.47

Step 4 – Ensure you have enough space for both your terminal Housings

	mm	inches
Ensure the remaining length is within the tolerance of the adjustable terminal housings a. $\geq$ twice the minimum adjustable inside corner terminal housing length – 143 mm (5.629 in) $\times 2$, and b. $\leq$ twice the maximum adjustable straight terminal housing length, – 386 mm (15.196 in) $\times 2$		
If not then remove a 293 mm (11.535 in) from your run and recalculate your remaining wall length	$(1 \times 293) + (2 \times 1,172)$	$(1 \times 11.535) + (2 \times 46.142)$
	2637	103.819
Subtract that number from total wall length and check the tolerance again.	$3,000 - 2,637$	$117 - 103.819$
	363	13.181

Step 5 – Calculate the trim length for each terminal housing

	mm	inches
Divide your remaining wall length by 2	$363 / 2$	$13.181 / 2$
This is the length you will trim each terminal housing to	181	6.591



Wall 2 (1.25 M / 4 ft)

Step 1 – Determine how many 293 mm (11.535 in) luminaires you will need

	mm	inches
Subtract fixed length of inside corner terminal housing from wall length	$1,250 - 167$	$48 - 6.575$
	1,083	41.425
Divide by the length of the 293 mm (11.535 in) luminaire	$1,083 / 293$	$41.425 / 11.535$
	3.7	3.6
Round down to the nearest whole number	3	3

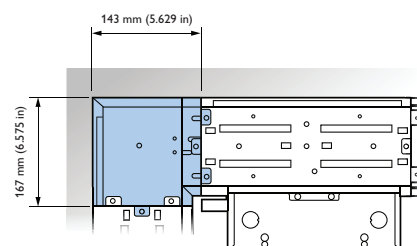
Step 2 – Calculate your remaining wall length

	mm	inches
Multiply number of 293 mm (11.535 in) luminaires needed by length	3×293	3×11.535
	879	34.605
Subtract that number and the non adjustable length of the inside corner terminal housing from the wall length	$(1,250 - 879)$ $- 167$	$(48 - 34.605 - 6.575)$
This is your trim length for the adjustable outside terminal corner housing	204	6.82

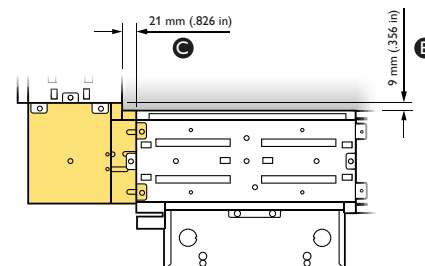
Step 3 – Ensure you have enough space for your trimmed outside corner terminal housing

	mm	inches
Ensure the remaining length is within the tolerance of the adjustable terminal housings		
a. $\geq$ the minimum adjustable outside corner terminal housing length (C) – 21 mm (.826 in), and		
b. $\leq$ the maximum adjustable outside corner terminal housing length, (A) – 320 mm (12.598 in) $\times 2$		
If not then remove a 293 mm (11.535 in) from your run and recalculate your remaining wall length		

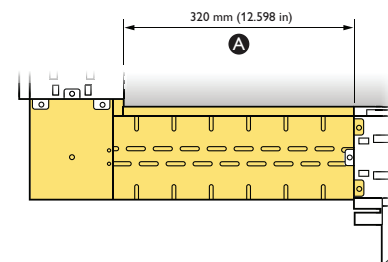
Inside Terminal Housing



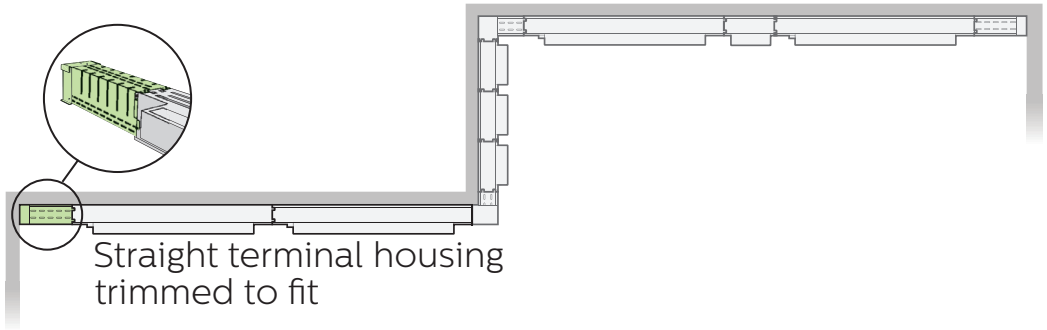
Outside Terminal Housing



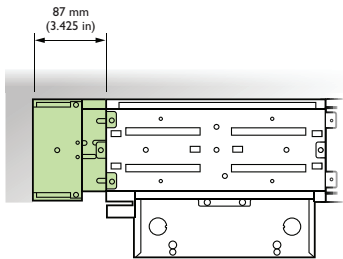
Minimum housing length



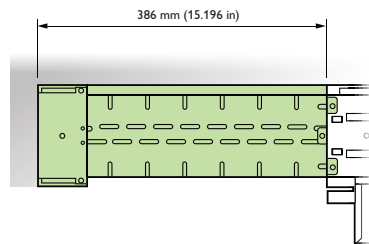
Maximum housing length



Straight Terminal Housing



Minimum housing length



Maximum housing length

Wall 3 (2.5 M / 8.25 ft)

Step 1 – Determine how many 1172 mm (46.142 in) luminaires you will need

	mm	inches
Subtract overlap length (B) of the outside terminal corner housing from wall length	2,500 - 9	99 - 0.354
	2,491	98.646
Divide by the length of the 1172 mm (46.142 in) luminaire	2,491 / 1,172	98.646 / 46.142
	2.1	2.1
Round down to the nearest whole number	2	2

Step 2 – Calculate your remaining wall length

	mm	inches
Multiply number of 1172 mm (46.142 in) luminaires needed by length	2 x 1172	2 x 46.142
	2344	92.284
Subtract that number and the non adjustable length of the inside corner terminal housing from the wall length	(2,500- 2,344)	(99 - 92.284)
	- 9	-0.354)
This is your trim length for the end-of-run straight terminal housing	294	6.362

Step 3 – Ensure you have enough space for your trimmed straight terminal housing

	mm	inches
Ensure the remaining length is within the tolerance of the adjustable terminal housing		
a. $\geq$ the minimum adjustable straight terminal housing length – 87 mm (3.425 in), and		
b. $\leq$ the maximum adjustable straight terminal housing length – 386 mm (15.196 in) x 2		
If not then remove a 1172 mm (46.142 in) luminaire from your run, add 3 293 mm (11.535 in) luminaires and recalculate your remaining wall length		

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

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

