

Date: _____ Type: _____

Firm Name: _____

Project: _____

SkyRibbon

IntelliHue Linear Direct Powercore

Recessed linear interior LED fixture for direct-view and general illumination applications

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

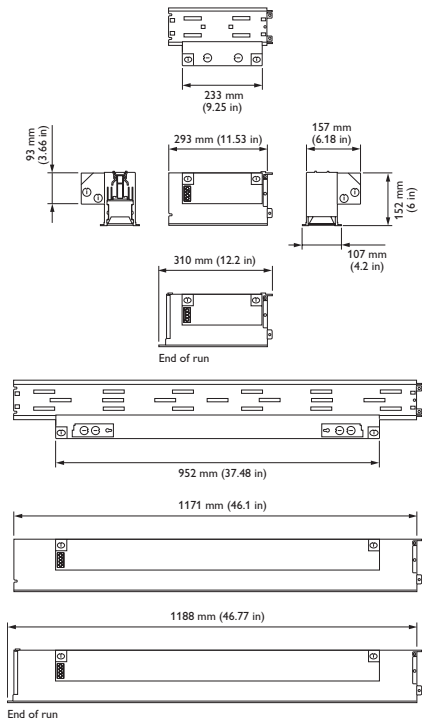
- Color-changing and high-quality white light from the same fixture — Multiple channels of LED light sources combine to produce a full spectrum of precisely controllable light, including millions of saturated colors, pastels, and uniform white light.
- Tunable white light — Select color temperatures 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 lumen output — Fixture produces white light output equivalent to a single T5 linear recessed fixture.
- Multiple housing options for installation and mounting flexibility — T-Bar, Slotted-T, Flanged, and Flangeless housings support numerous installation methods and appearances.
- Flexible configuration — Available in 1 ft and 4 ft fixture lengths with multiple jumper cable and connector options to accommodate nearly any layout.
- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. Philips Data Enabler Pro merges line voltage and control data and delivers them to fixtures over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Superior color consistency and accuracy — Optibin, an advanced binning algorithm, sets a new standard for the color consistency and uniformity of LED sources used in manufacturing. Chromasync technology achieves unprecedented consistency of light performance and color precision while maximizing intensity and color range. With Chromasync enabled, SkyRibbon IntelliHue Powercore offers color variation of less than 2 MacAdam ellipses (2 SDCM) across multiple fixtures in an installation — imperceptible to the human eye.
- Industry-leading controls — Fixtures work seamlessly with the complete Philips Color Kinetics line of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.
- Three voltage options — Available 120 VAC, 220 — 240 VAC, and 277 VAC fixtures ensure consistent operation around the world.

For detailed product information, please refer to the SkyRibbon IntelliHue Linear Direct Powercore Product Guide at www.philipscolorkinetics.com/ls/intellihue/skyribbon-linear-direct/

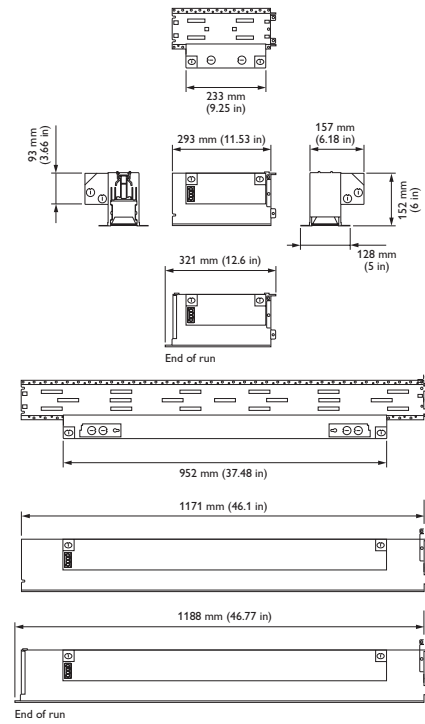
PHILIPS

CE Dimensional Diagrams, 220–240 VAC

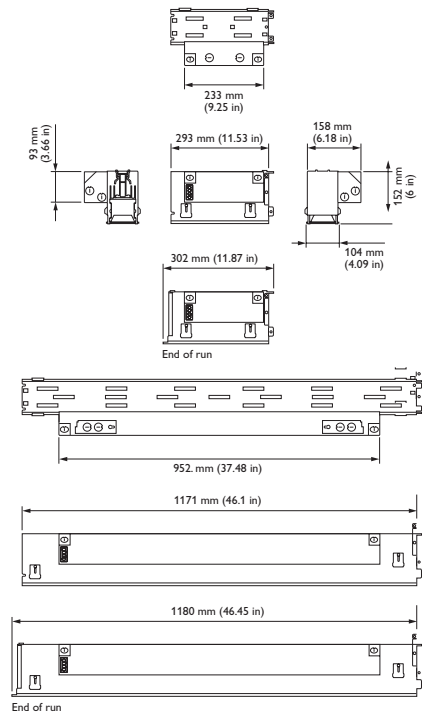
SkyRibbon Linear Direct Powercore Flanged Housing



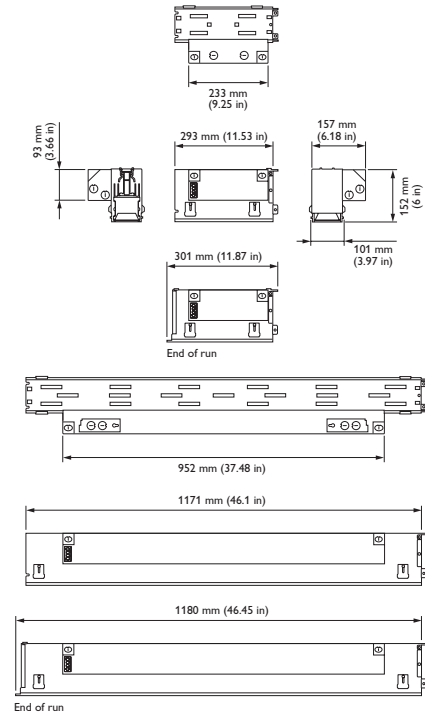
SkyRibbon Linear Direct Powercore Flangeless Housing



SkyRibbon Linear Direct Powercore T-Bar Housing

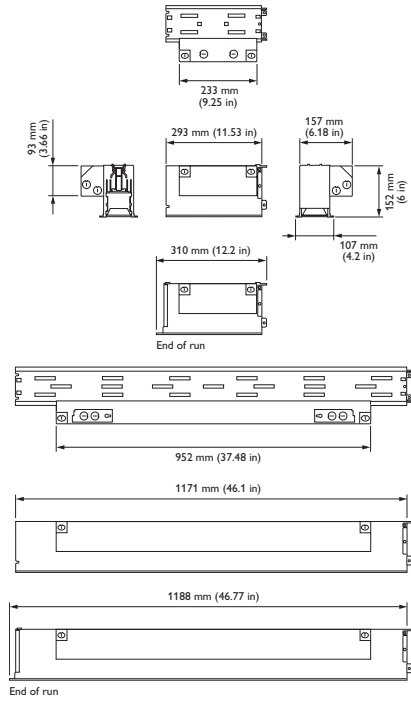


SkyRibbon Linear Direct Powercore Slotted-T Housing

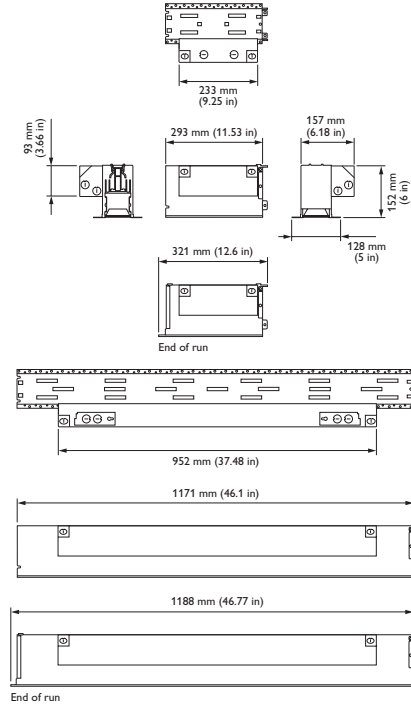


UL Dimensional Diagrams, 120 VAC / 277 VAC

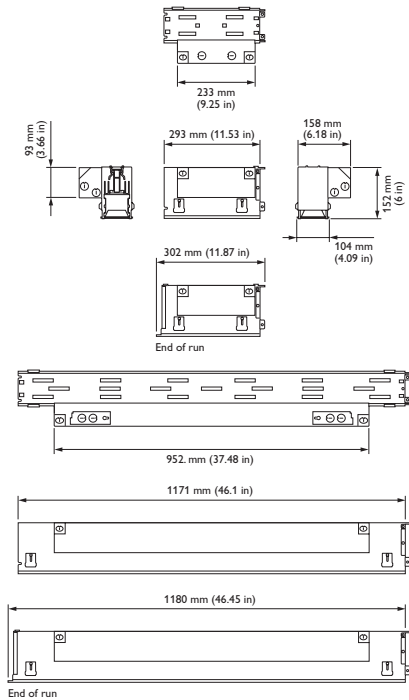
SkyRibbon Linear Direct Powercore Flanged Housing



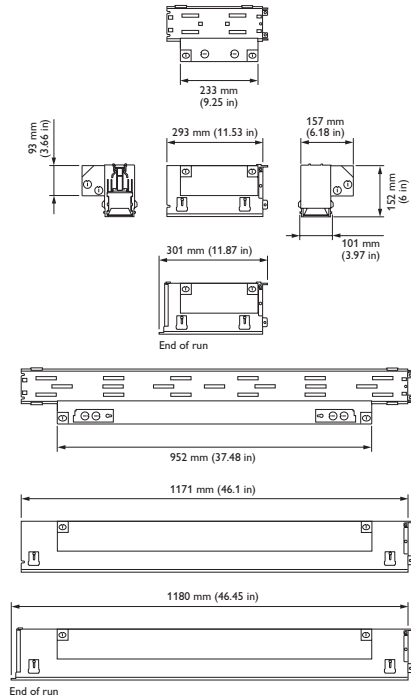
SkyRibbon Linear Direct Powercore Flangeless Housing



SkyRibbon Linear Direct Powercore T-Bar Housing



SkyRibbon Linear Direct Powercore Slotted-T Housing



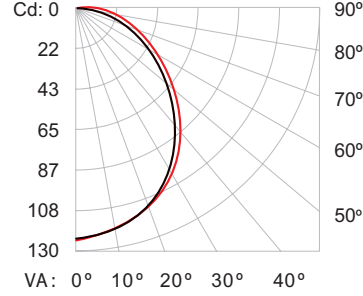
Photometrics / SkyRibbon Linear Direct Powercore

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

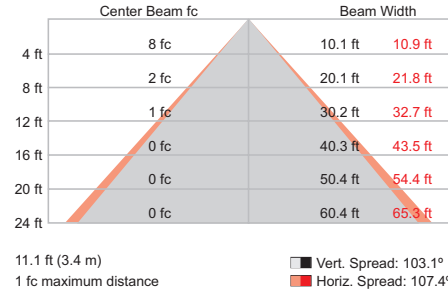
Lumens	Efficacy
336	26.4 lm / W

Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0	25	45	70	90
5	123	123	123	123	123
15	117	118	118	119	119
25	106	108	108	109	109
35	92	93	94	96	96
45	75	76	78	79	79
55	57	58	60	62	62
65	39	41	42	44	44
75	22	24	25	26	26
85	6	7	9	10	10
90	0	0	1	2	2

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%									
	0	10	20	30	40	50	60	70	80	90
0	119	119	119	119	119	119	119	119	119	119
1	108	103	99	95	105	101	97	83	97	93
2	98	90	83	77	96	88	82	70	84	79
3	90	79	71	64	87	78	70	60	74	68
4	82	70	61	55	80	69	61	51	66	59
5	76	63	54	47	73	62	53	45	59	52
6	70	57	48	41	68	56	47	39	54	46
7	65	51	43	36	63	51	42	35	49	41
8	60	47	38	33	59	46	38	32	45	37
9	57	43	35	29	55	42	35	29	41	34
10	53	40	32	27	52	39	32	26	38	31

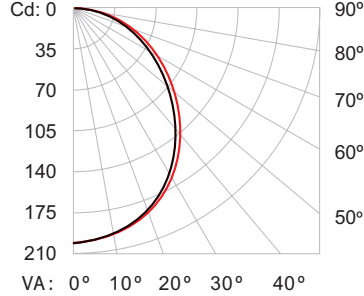
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	260.8	77.6 %
60 - 90	72.0	21.4 %
0 - 90	332.8	99.0 %

2700 K

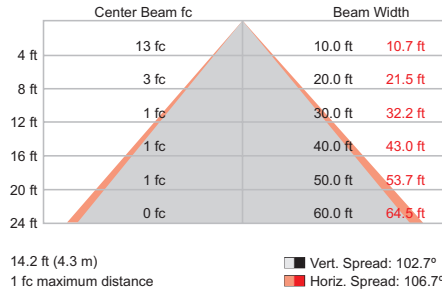
Lumens	Efficacy
544	42.3 lm / W

Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0	25	45	70	90
5	201	201	201	201	201
15	191	192	193	193	193
25	173	175	176	177	177
35	148	151	153	155	155
45	120	123	126	128	128
55	91	94	97	99	99
65	63	65	68	70	70
75	36	38	40	42	42
85	9	11	14	15	16
90	0	1	1	3	3

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%									
	0	10	20	30	40	50	60	70	80	90
0	119	119	119	119	119	119	119	119	119	119
1	108	103	99	95	105	101	97	83	97	93
2	98	90	83	77	96	88	82	70	84	79
3	90	79	71	64	87	78	70	60	74	68
4	82	70	61	55	80	69	61	51	66	59
5	76	63	54	47	73	62	53	45	59	52
6	70	57	48	41	68	56	47	39	54	46
7	65	51	43	36	63	51	42	35	49	41
8	60	47	38	33	59	46	38	32	45	37
9	57	43	35	29	55	42	35	29	41	34
10	53	40	32	27	52	39	32	26	38	31

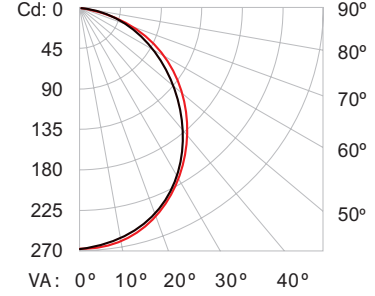
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	422.3	77.7 %
60 - 90	115.8	21.3 %
0 - 90	538.1	99.0 %

4000 K

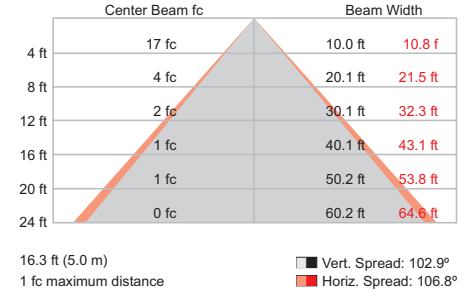
Lumens	Efficacy
722	39.8 lm / W

Polar Candela Distribution



	0° H	10° H	20° H	30° H	40° H
0	0	25	45	70	90
5	266	266	266	266	266
15	253	254	255	256	256
25	229	232	234	235	235
35	197	200	203	206	205
45	160	163	167	170	170
55	122	125	129	132	132
65	83	87	90	93	93
75	47	50	53	56	56
85	13	15	18	21	21

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%									
	0	10	20	30	40	50	60	70	80	90
0	119	119	119	119	119	119	119	119	119	119
1	108	103	99	95	105	101	97	83	97	93
2	98	90	83	77	96	88	82	70	84	79
3	90	79	71	64	87	78	70	60	74	68
4	82	70	61	55	80	69	61	51	66	59
5	76	63	54	47	73	62	53	45	59	52
6	70	57	48	41	68	56	47	39	54	46
7	65	51	43	36	63	51	42	35	49	41
8	60	47	38	33	59	46	38	32	45	37
9	57	43	35	29	55	42	35	29	41	34
10	53	40	32	27	52	39	32	26	38	31

Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	560.4	77.7 %
60 - 90	153.9	21.3 %
0 - 90	714.3	99.0 %

For lux multiply fc by 10.7

Specifications / SkyRibbon Linear Direct Powercore, 0.3 m (1 ft)

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

Item	Specification	RGB channels only, full on	2700 K*	4000 K*
Output	Beam Angle	100° x 100°		
	Lumens†	336	544	722
	Efficacy (lm / W)	26.4	42.3	39.8
	CRI	—	87	88
	Power Factor	.99 @ 120 VAC	.99 @ 120 VAC	.99 @ 120 VAC
	LED Channels	Red / Green / Blue / Mint White / 4000 K		
	Lumen Maintenance‡	60,000 hours L70 @ 25° C 60,000 hours L70 @ 40° C		
Electrical	Input Voltage	120 VAC, 220 – 240 VAC, 277 VAC, 50 / 60 Hz		
	Power Consumption	25 W (0.3 m / 1 ft 120 / 277 VAC) 23 W (0.3 m / 1 ft 220 – 240 VAC)	100 W (1.2 m / 4 ft 120 / 277 VAC) 90 W (1.2 m / 4 ft 220 – 240 VAC)	
	Interface	Data Enabler Pro (DMX / Ethernet)		
Control	Control System	Philips Color Kinetics full range of controllers, including Light System Manager and iPlayer 3, or third-party controllers		
	Housing Material	Steel, white powder-coated finish		
Physical	Lens	Polycarbonate		
	Fixture Connections	178 mm (7 in) flying leads, integral male / female connectors (120 / 277 VAC) Wieland integral male / female connectors (220 – 240 VAC)		
	Temperature Ranges	-20° – 40° C (-4° – 104° F) Operating -20° – 40° C (-4° – 104° F) Startup -40° – 80° C (-40° – 176° F) Storage		
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/		
	Humidity	0 – 95%, non-condensing		
	Certification and Safety	Certification	UL / cUL, FCC Class A, CE	
Environment		Dry / Damp Location, IP20		

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

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

‡ L70 = 70% lumen maintenance (when light output drops below 70% of initial output).

Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.



Dimensions and Weight

Fixture	Physical Characteristics	T-Bar	Slotted-T	Flanged	Flangeless
0.3 m (1 ft)	Housing Dimensions <i>Height x Width x Depth</i>	152 x 294 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 294 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 294 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 294 x 158 mm (6.0 x 11.6 x 6.3 in)
	Assembled Weight†	2.5 kg (5.5 lbs)	2.5 kg (5.5 lbs)	2.5 kg (5.5 lbs)	2.5 kg (5.5 lbs)
1.2 m (4 ft)	Housing Dimensions <i>Height x Width x Depth</i>	152 x 1172 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 1172 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 1172 x 158 mm (6.0 x 11.6 x 6.3 in)	152 x 1172 x 158 mm (6.0 x 11.6 x 6.3 in)
	Assembled Weight†	9.5 kg (21 lb)	9.5 kg (21 lb)	9.5 kg (21 lb)	9.5 kg (21 lb)

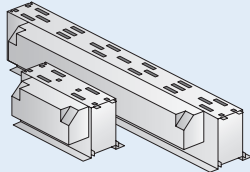
† Assembled weight includes fixture housing and LED module.

Product Selection

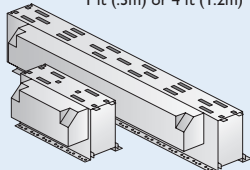
To order a complete SkyRibbon IntelliHue Linear Direct Powercore fixture, choose a housing (voltage, length, and type), an optional spread lens, an optional accessories.

1 Choose housing type

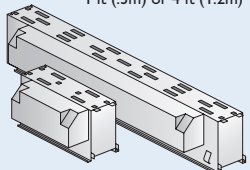
120 VAC or 277 VAC



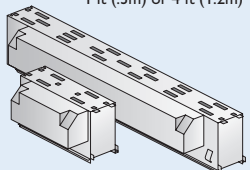
Flanged
1 ft (.3m) or 4 ft (1.2m)



Flangeless
1 ft (.3m) or 4 ft (1.2m)

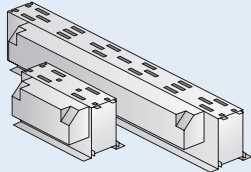


T-Bar
1 ft (.3m) or 4 ft (1.2m)

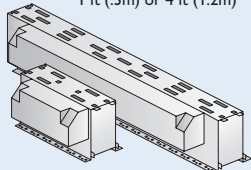


Slotted-T
1 ft (.3m) or 4 ft (1.2m)

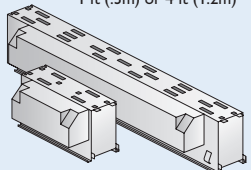
220 – 240 VAC



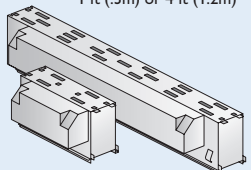
Flanged
1 ft (.3m) or 4 ft (1.2m)



Flangeless
1 ft (.3m) or 4 ft (1.2m)

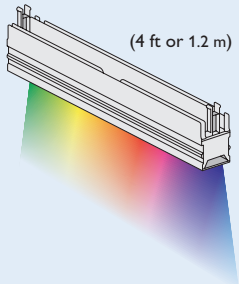
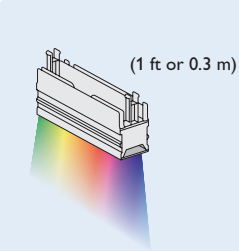


T-Bar
1 ft (.3m) or 4 ft (1.2m)

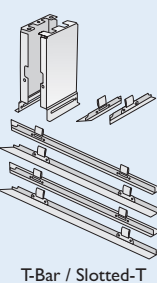
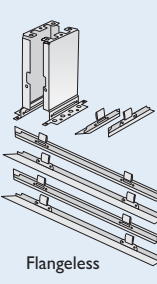
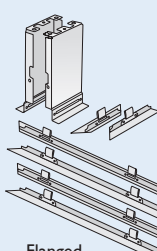


Slotted-T
1 ft (.3m) or 4 ft (1.2m)

2 Choose LED module

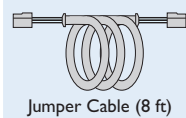
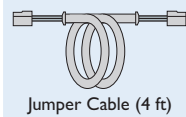
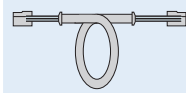
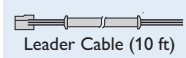


3 Choose end-of-run kit

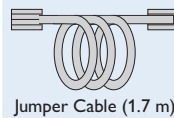
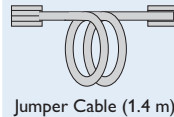
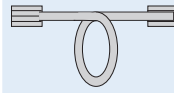
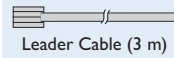


4 Choose optional accessories

120 VAC / 277 VAC



220 – 240 VAC



Housing

Item	Style	Length	Voltage	Item Number	Philips 12NC	
Housing	Flanged	0.3 m	220–240 VAC	172-000074-39	910503705036	
		1.2 m	220–240 VAC	172-000074-38	910503705035	
		1 ft	120 VAC	172-000074-45	910503705042	
			277 VAC	172-000074-47	910503705044	
		4 ft	120 VAC	172-000074-44	910503705041	
			277 VAC	172-000074-46	910503705043	
		Flangeless	0.3 m	220–240 VAC	172-000074-35	910503705032
			1.2 m	220 VAC	172-000074-34	910503705031
	1 ft		120 VAC	172-000074-10	910503704307	
			277 VAC	172-000074-22	910503704319	
	4 ft		120 VAC	172-000074-07	910503704304	
			277 VAC	172-000074-19	910503704316	
	T-Bar		0.3 m	220–240 VAC	172-000074-30	910503704354
			1.2 m	220–240 VAC	172-000074-28	910503704352
		1 ft	120 VAC	172-000074-09	910503704306	
			277 VAC	172-000074-21	910503704318	
		4 ft	120 VAC	172-000074-06	910503704303	
			277 VAC	172-000074-18	910503704315	
		Slotted-T	0.3 m	220–240 VAC	172-000074-31	910503704355
			1.2 m	220–240 VAC	172-000074-29	910503704353
	1 ft		120 VAC	172-000074-11	910503704308	
			277 VAC	172-000074-23	910503704320	
	4 ft		120 VAC	172-000074-08	910503704305	
			277 VAC	172-000074-20	910503704317	
End of Run Kit	Flanged		0.3 m / 1 ft		120-000174-01	910503705022
			1.2 m / 4 ft		120-000174-05	910503705026
	Flangeless	0.3 m / 1 ft		120-000174-00	910503705021	
		1.2 m / 4 ft		120-000174-04	910503705025	
	T-Bar / Slotted-T	0.3 m / 1 ft		120-000174-02	910503705023	
		1.2 m / 4 ft		120-000174-06	910503705027	

Use Item Number when ordering in North America.

LED Modules

Item	Length	Details	Item Number	Philips 12NC
LED Modules	0.3 m / 1 ft	IntelliHue	123-000074-00	910503702671
	1.2 m / 4 ft	IntelliHue	123-000074-01	910503702672

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.



Philips Color Kinetics
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Burlington, Massachusetts 01803 USA
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Tel 617.423.9999
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