



Date: _____ Type: _____

Firm Name: _____

Project: _____

SkyRibbon

Essential White Wall Washing Powercore, 4000 K, 20° × 20° native (no spread lens)

Recessed linear interior LED wall washing fixture with solid white light

SkyRibbon Essential White Wall Washing Powercore is a recessed linear interior LED wall washing fixture offering high-quality, dimmable solid white light in four color temperatures, ranging from warm 2700 K to cool 4000 K. Brilliant light output and industry-leading color consistency make fixtures ideal for a variety of interior wall-washing applications. Users can rotate LED modules up to 90° to evenly wash walls top to bottom regardless of fixture setback. Multiple housing options accommodate a number of installation methods.

- Four color temperatures — Solid white light LED modules are available in 2700 K, 3000 K, 3500 K, and 4000 K color temperatures, supporting a broad selection of design objectives.
- High-quality illumination in a variety of beam angles — Native 20° × 20° beam angle. Holographic diffusion lenses offer additional 30° × 30°, 30° × 60°, 35° × 105°, 40° × 80°, 65° × 65°, 70° × 95°, and 90° × 90° 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 fixtures directly from line voltage, eliminating the need for an external power supply.

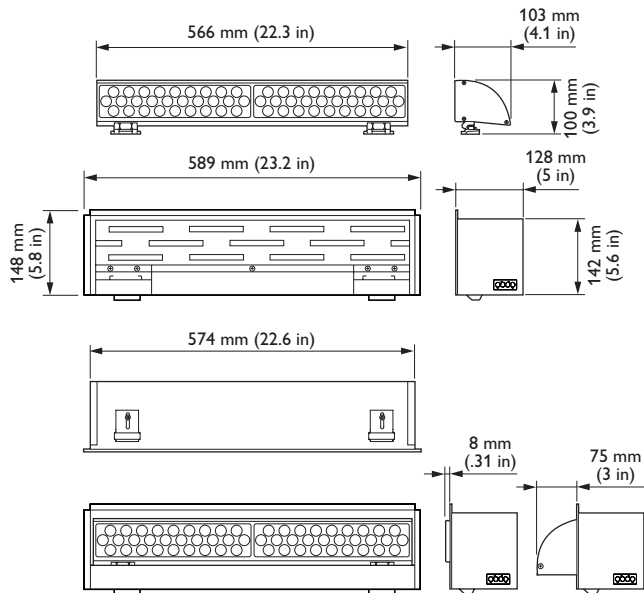
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Optibin advanced binning algorithm — Exceeds the recognized standards for color quality to guarantee uniformity and color consistency across LED sources, fixtures, and manufacturing runs.
- Three voltage options — Available 120 VAC, 220 – 240 VAC, and 277 VAC fixtures ensure consistent operation in a number of major international regions.

For detailed product information, please refer to SkyRibbon Essential White Wall Washing Powercore Product Guide at www.philipscolorkinetics.com/ls/ew/skyribbon-wall-washing/

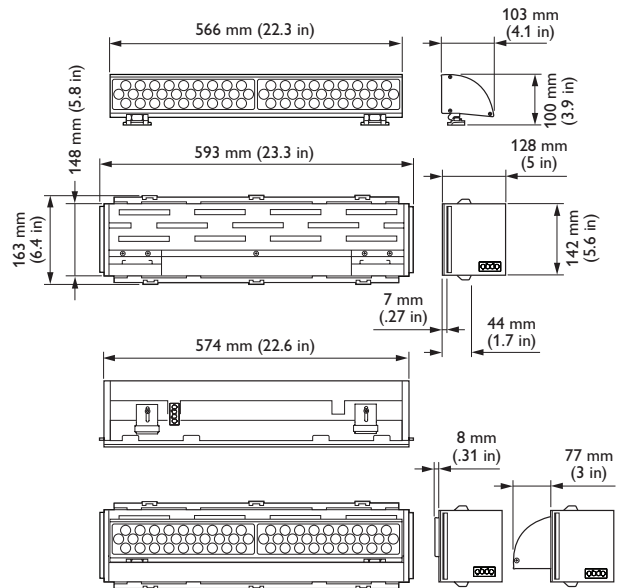
PHILIPS

CE Dimensional Diagrams

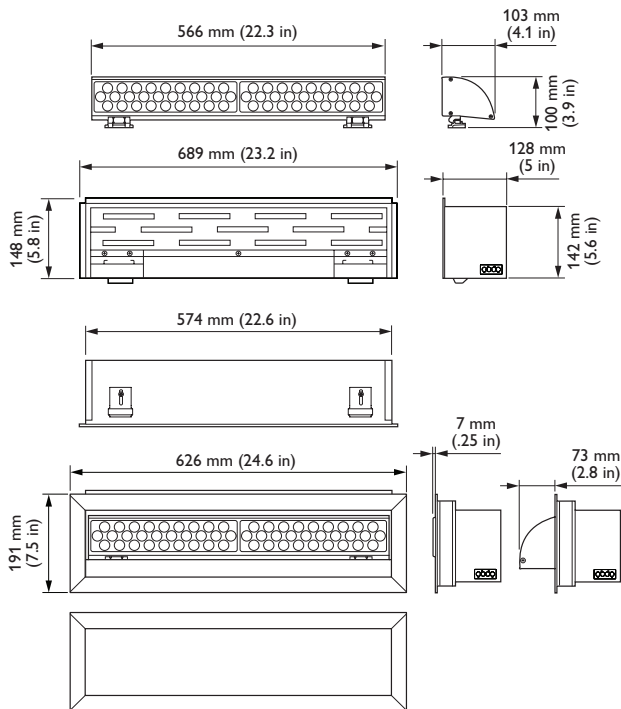
SkyRibbon Wall Washing Powercore T-Bar Housing, 220 – 240 VAC



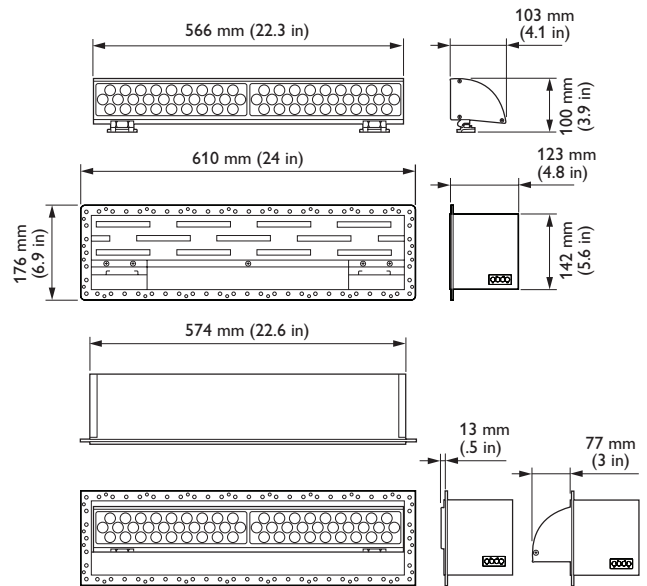
SkyRibbon Wall Washing Powercore Slotted-T Housing, 220 – 240 VAC



SkyRibbon Wall Washing Powercore Flanged Housing, 220 – 240 VAC

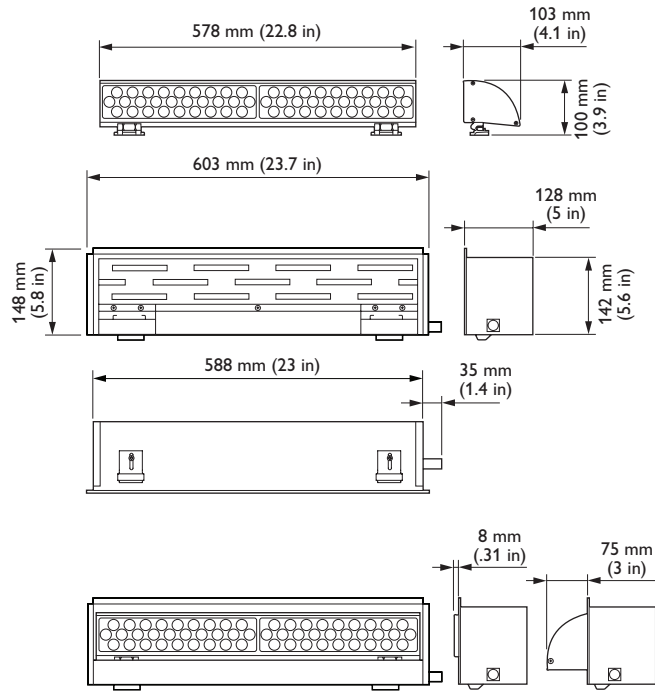


SkyRibbon Wall Washing Powercore Flangeless Housing, 220 – 240 VAC

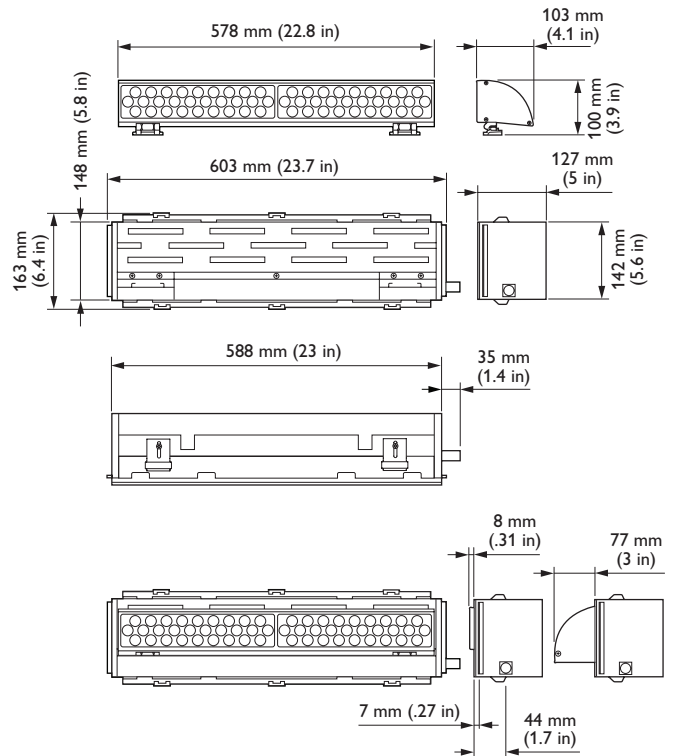


UL Dimensional Diagrams

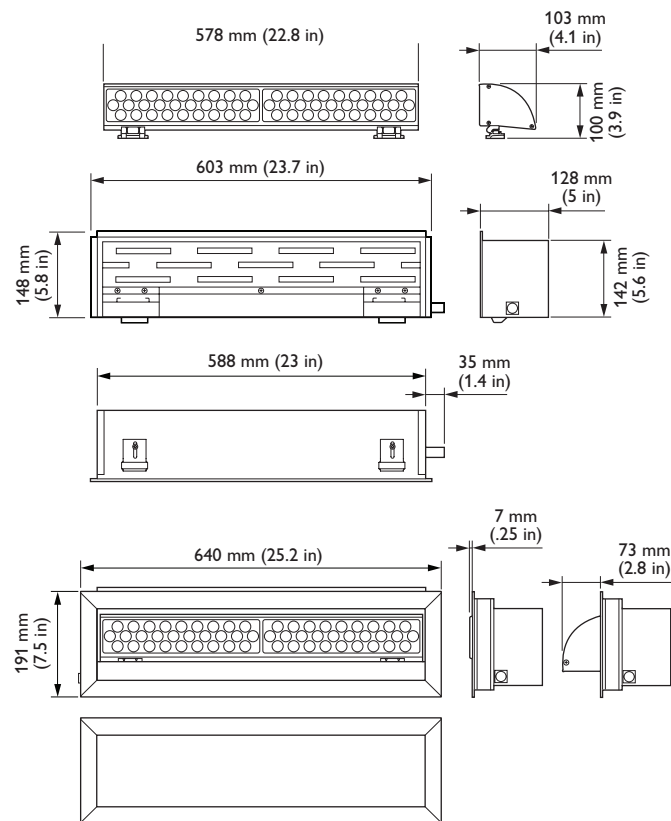
SkyRibbon Wall Washing Powercore T-Bar Housing, 120 VAC / 277 VAC



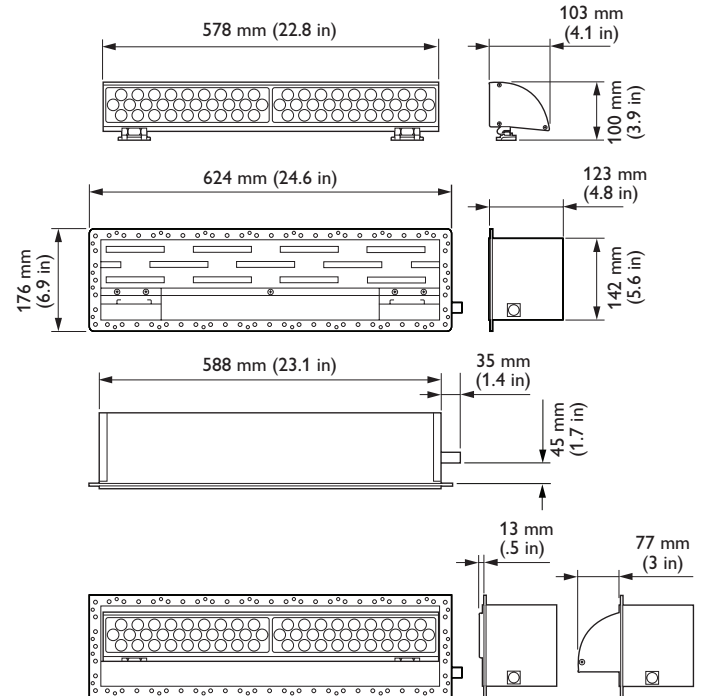
SkyRibbon Wall Washing Powercore Slotted-T Housing, 120 VAC / 277 VAC



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



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

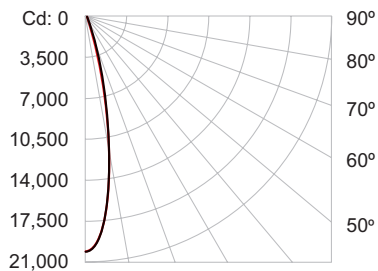


Photometrics / SkyRibbon Essential White Wall Washing Powercore, 4000 K, 20° x 20° native (no spread lens)

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

Lumens	Efficacy
3501	52.4 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	20183	20183	20183	20183	20183
5	17351	17375	17397	17330	17313
15	5175	5202	5218	5224	5243
25	714	723	725	719	716
35	135	136	131	127	124
45	63	65	62	59	60
55	37	38	37	37	37
65	23	25	25	26	27
75	9	10	9	12	12
85	1	2	1	2	3
90	0	0	0	0	0

Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	1261 fc	1.5 ft 1.5 ft
8 ft	315 fc	3.0 ft 3.0 ft
12 ft	140 fc	4.5 ft 4.5 ft
16 ft	79 fc	6.0 ft 6.0 ft
20 ft	50 fc	7.5 ft 7.5 ft
24 ft	35 fc	9.0 ft 9.0 ft

142 ft (43.3 m)

1 fc maximum distance

■ Vert. Spread: 21.1°

■ Horiz. Spread: 21.3°

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	115113111109	113111109108	107105104	103102101	100 99 98 97	97
2	111108105102	109106103101	103101 99	100 98 97	97 96 95 93	93
3	108103100 97	106102 99 96	99 97 95	97 95 93	95 93 92 90	90
4	105 99 95 92	103 98 95 92	96 93 91	94 92 90	93 91 89 88	88
5	102 96 92 89	100 95 91 88	93 90 88	92 89 87	91 88 86 85	85
6	99 93 89 86	98 92 88 86	91 88 85	90 87 85	88 86 84 83	83
7	96 90 86 83	95 90 86 83	88 85 83	87 84 82	86 84 82 81	81
8	94 88 84 81	93 87 83 81	86 83 80	85 82 80	85 82 80 79	79
9	92 85 81 79	91 85 81 79	84 81 78	83 80 78	83 80 78 77	77
10	90 83 79 77	89 83 79 77	82 79 77	82 79 76	81 78 76 75	75

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	3290	94.0
0- 40	3381	96.6
0- 60	3463	98.9
0- 90	3501	100.0
90-180	0	0.0
0-180	3501	100.0

For lux multiply fc by 10.7

Specifications / SkyRibbon Essential White Wall Washing Powercore, 4000 K, 20° x 20° native (no spread lens)

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

Item	Specification	Details
Output	Lumens*	3501
	Efficacy (lm / W)	52.4
	CRI	84
	Power Factor	.992 @ 120 VAC
	Color Temperature†	4000 K
	Lumen Maintenance‡	76,000 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	70 W maximum at full output, steady state
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Housing Material	Steel, white powder-coated finish
	Lens	Polycarbonate
	Fixture Connections	7 in (178 mm) flying leads, integral male / female connectors (120 / 277 VAC) Wieland integral male / female connectors (220 – 240 VAC)
	Temperature Ranges	-4° – 104° F (-20° – 40° C) Operating -4° – 104° F (-20° – 40° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from 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 measurement complies with IES LM-79-08 testing procedures.

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

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

L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.



Dimensions and Weight

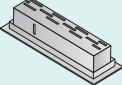
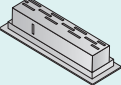
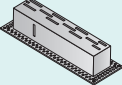
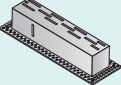
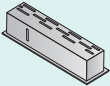
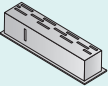
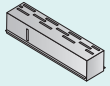
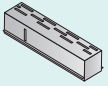
Fixture		Flanged	Flangeless	T-Bar	Slotted-T
120 VAC / 277 VAC	Housing Dimensions (Height x Width x Depth)	5.8 x 23.7 x 5 in	6.9 x 24.6 x 4.8 in	5.8 x 23.7 x 5 in	6.4 x 23.7 x 5 in
	Assembled Weight†	10.4 lbs	8.6 lbs	8.6 lbs	8.6 lbs
220 – 240 VAC	Housing Dimensions (Height x Width x Depth)	148 x 689 x 128 mm	176 x 610 x 123 mm	148 x 589 x 128 mm	163 x 593 x 128 mm
	Assembled Weight†	4.7 kg	3.9 kg	3.9 kg	3.9 kg

† Assembled weight includes fixture housing and LED module.

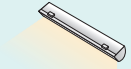
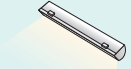


Product Selection

To order a complete SkyRibbon Essential White Wall Washing Powercore fixture, choose a housing (voltage, length, and type), an LED module, a spread lens, a Leader Cable, and optional Jumper Cables and louvers.

1 Choose housing type

120 VAC or 277 VAC	220 – 240 VAC
 Flanged (2 ft)	 Flanged (600 mm)
 Flangeless (2 ft)	 Flangeless (600 mm)
 T-Bar (2 ft)	 T-Bar (600 mm)
 Slot-T (2 ft)	 Slot-T (600 mm)

2 Choose LED module

 2700 K
2 ft or 600 mm
 3000 K
2 ft or 600 mm
 3500 K
2 ft or 600 mm
 4000 K
2 ft or 600 mm

3 Choose optional spread lens

30° x 30°

30° x 60°

35° x 105°

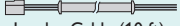
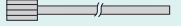
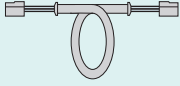
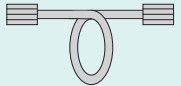
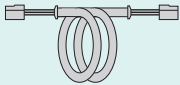
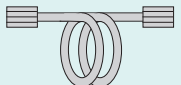
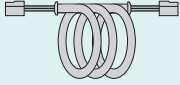
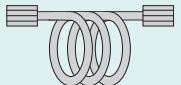
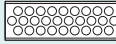
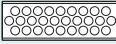
40° x 80°

65° x 65°

70° x 95°

90° x 90°

4 Choose accessories

120 VAC / 277 VAC	220 – 240 VAC
 Leader Cable (10 ft)	 Leader Cable (3 m)
 Jumper Cable (1 ft)	 Jumper Cable (0.9 m)
 Jumper Cable (4 ft)	 Jumper Cable (1.4 m)
 Jumper Cable (8 ft)	 Jumper Cable (1.7 m)
 Louver (2 ft)	 Louver (600 mm)

2 ft / 120 VAC or 277 VAC

Item	Voltage	Type	Item Number	Philips 12NC
Housings	120 VAC	T-Bar	172-000072-00	910503703213
		Slotted-T	172-000072-12	910503704284
		Flanged (fixture and flange)	172-000072-00 and 120-000172-14	910503703213 and 120-000172-09
		Flangeless	172-000072-01	910503703214
	277 VAC	T-Bar	172-000072-04	910503704245
		Slotted-T	172-000072-14	910503704245
		Flanged (fixture and flange)	172-000072-04 and 120-000172-14	910503704245 and 120-000172-09
		Flangeless	172-000072-05	910503704246

Item	Color Temperature	Item Number	Philips 12NC
LED Modules	2700 K	523-000072-00	910503702648
	3000 K	523-000072-01	910503702649
	3500 K	523-000072-02	910503702650
	4000 K	523-000072-03	910503702651

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

Use Item Number when ordering in North America.

Product Selection (continued)

Item		Length	Item Number	Philips 12NC
Leader Cable and Accessories	Leader Cable	10 ft	108-000072-03	910503703135
	Jumper Cable	1 ft	108-000072-00	910503702835
		4 ft	108-000072-01	910503702836
		8 ft	108-000072-02	910503702837
	Louver		120-000172-00	910503702690

Use Item Number when ordering in North America.

600 mm / 220 – 240 VAC

Item	Type	Item Number	Philips 12NC
Housings	T-Bar	172-000072-08	910503704262
	Slotted-T	172-000072-16	910503704631
	Flanged (fixture and flange)	172-000072-08 and 120-000172-10	910503704263 and 910503704271
		Flangeless	172-000072-18

Item	Color Temperature	Item Number	Philips 12NC
LED Modules	2700 K	523-000072-04	910503704258
	3000 K	523-000072-05	910503704259
	3500 K	523-000072-06	910503704260
	4000 K	523-000072-07	910503704261

Item	Beam Angle	Item Number	Philips 12NC
Spread Lenses	30° x 30°	120-000161-01	910503704213
	30° x 60°	120-000161-02	910503704214
	35° x 105°	120-000161-03	910503704215
	40° x 80°	120-000161-04	910503704216
	65° x 65°	120-000161-06	910503704218
	70° x 95°	120-000161-07	910503704219
	90° x 90°	120-000161-08	910503704220

Item		Length	Item Number	Philips 12NC
Leader Cable and Accessories	Leader Cable	3 m	108-000072-13	910503705047
	Jumper Cable	0.9 m	108-000072-15	910503705049
		1.4 m	108-000072-16	910503705050
		1.7 m	108-000072-17	910503705051
	Louver		120-000161-00	910503704249

Use Item Number when ordering in North America.



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