



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

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

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

## SkyRibbon

### Essential White Wall Washing Powercore, 3000 K, 35° × 105° 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.

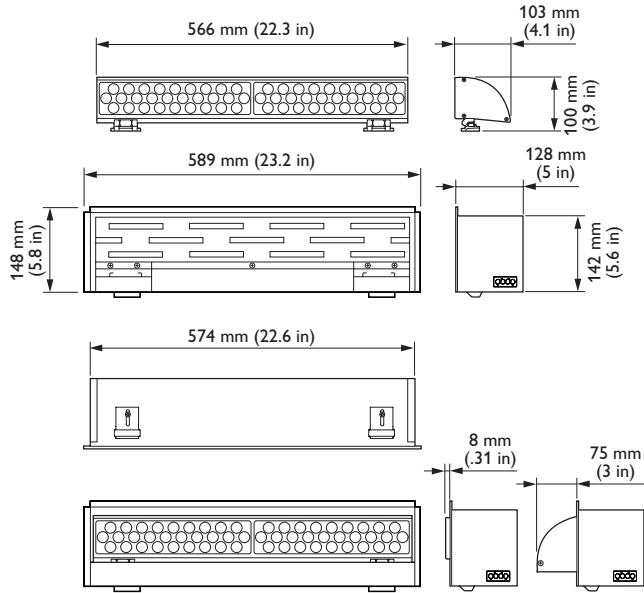
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Optibin advanced binning algorithm — Exceeds the recognized standards for color quality to guarantee uniformity and color consistency across LED sources, 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/](http://www.philipscolorkinetics.com/ls/ew/skyribbon-wall-washing/)

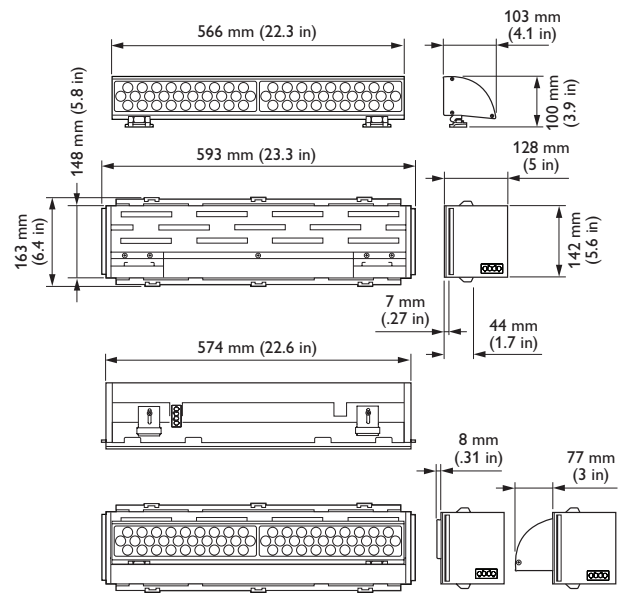
# PHILIPS

# CE Dimensional Diagrams

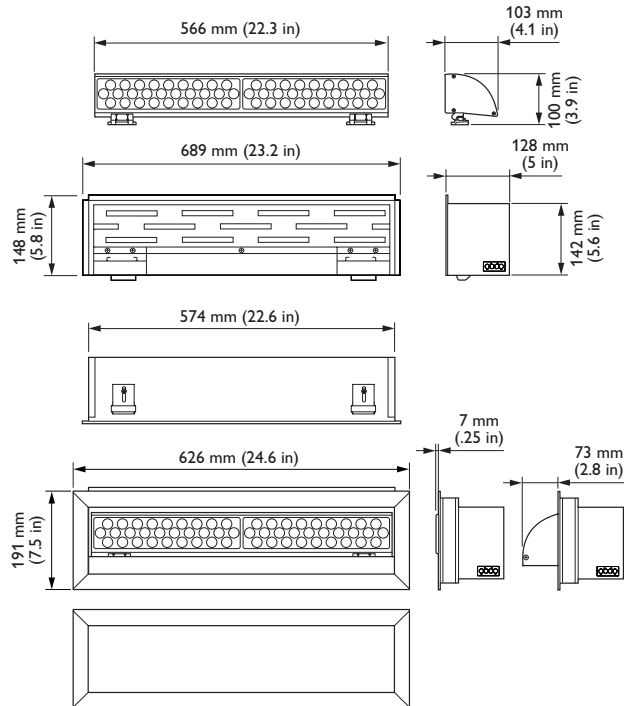
## SkyRibbon Wall Washing Powercore T-Bar Housing, 220 – 240 VAC



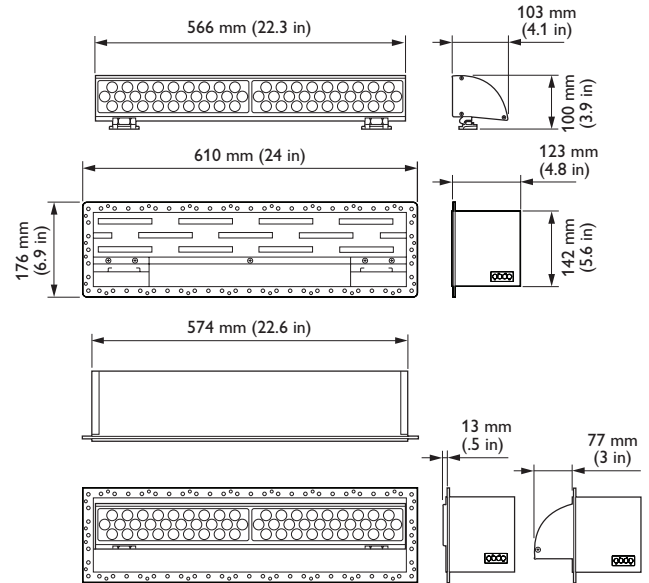
## SkyRibbon Wall Washing Powercore Slotted-T Housing, 220 – 240 VAC



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

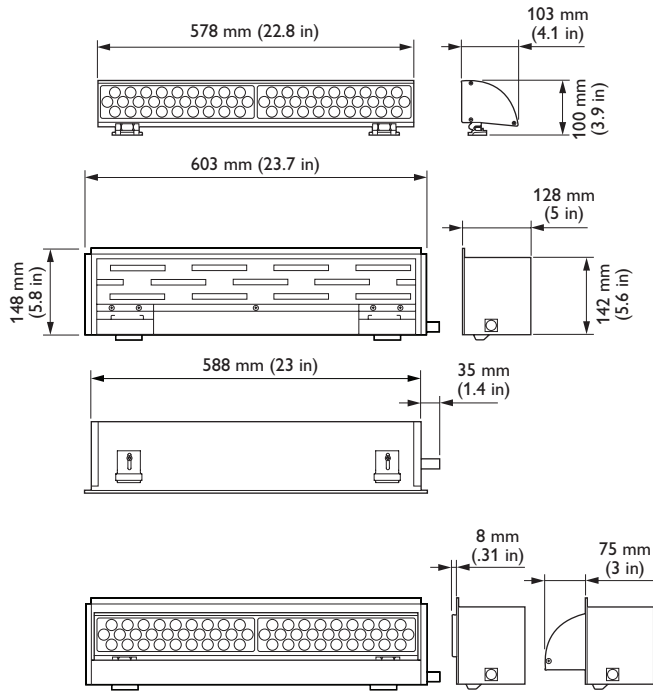


## SkyRibbon Wall Washing Powercore Flangeless Housing, 220 – 240 VAC

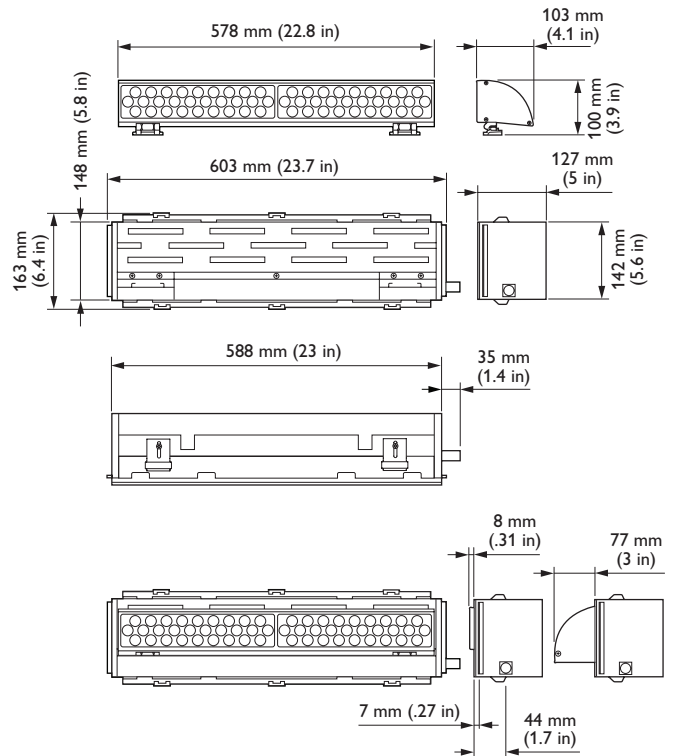


# UL Dimensional Diagrams

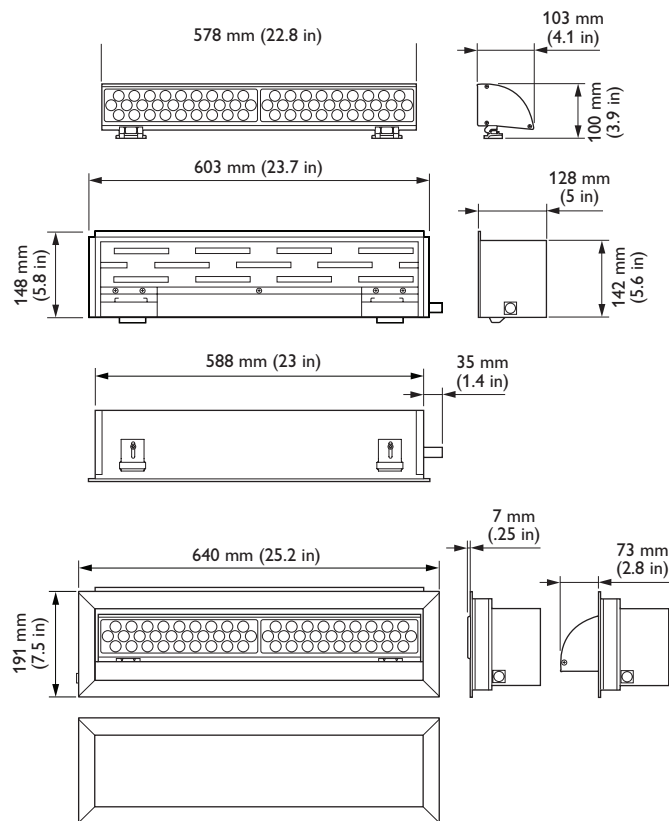
SkyRibbon Wall Washing Powercore  
T-Bar Housing, 120 VAC / 277 VAC



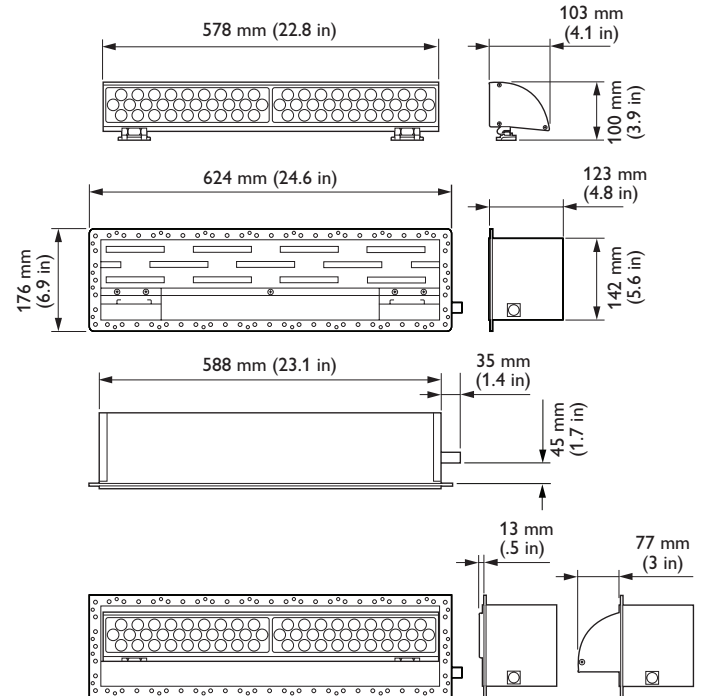
SkyRibbon Wall Washing Powercore  
Slotted-T Housing, 120 VAC / 277 VAC



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



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

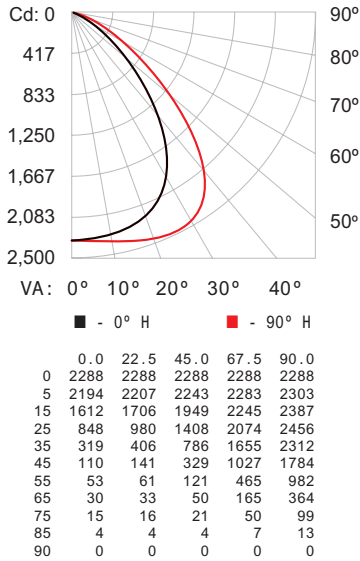


# Photometrics / SkyRibbon Essential White Wall Washing Powercore, 3000 K, 35° x 105° spread lens

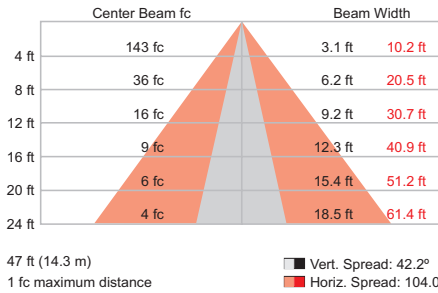
Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.philipscolorkinetics.com/support/ies](http://www.philipscolorkinetics.com/support/ies).

| Lumens | Efficacy    |
|--------|-------------|
| 3068   | 45.8 lm / W |

## Polar Candela Distribution



## Illuminance at Distance



## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RC | 80           | 70           | 50         | 30        | 10        | 0   |
|----|--------------|--------------|------------|-----------|-----------|-----|
| RW | 70 50 30 10  | 70 50 30 10  | 50 30 10   | 50 30 10  | 50 30 10  | 0   |
| 0  | 119119119119 | 116116116116 | 1111111111 | 106106106 | 102102102 | 100 |
| 1  | 112108105103 | 109106103101 | 102100 98  | 98 97 95  | 95 93 92  | 90  |
| 2  | 105 98 93 89 | 102 97 92 88 | 93 89 86   | 90 87 84  | 87 85 82  | 80  |
| 3  | 98 89 83 78  | 95 88 82 78  | 85 80 76   | 83 78 75  | 80 77 74  | 72  |
| 4  | 91 82 75 69  | 89 80 74 69  | 78 73 68   | 76 71 67  | 74 70 66  | 65  |
| 5  | 85 75 68 62  | 83 74 67 62  | 72 66 61   | 70 65 61  | 68 64 60  | 58  |
| 6  | 80 69 61 56  | 78 68 61 56  | 66 60 56   | 65 59 55  | 63 59 55  | 53  |
| 7  | 75 64 56 51  | 73 63 56 51  | 61 55 51   | 60 55 50  | 59 54 50  | 48  |
| 8  | 70 59 52 47  | 69 58 52 47  | 57 51 47   | 56 50 46  | 55 50 46  | 44  |
| 9  | 66 55 48 43  | 65 54 48 43  | 53 47 43   | 52 47 43  | 51 46 43  | 41  |
| 10 | 63 51 44 40  | 62 51 44 40  | 50 44 40   | 49 44 40  | 48 43 39  | 38  |

## Zonal Lumen

| ZONE   | LUMENS | %FIXT |
|--------|--------|-------|
| 0- 30  | 1471   | 48.0  |
| 0- 40  | 2134   | 69.6  |
| 0- 60  | 2900   | 94.5  |
| 0- 90  | 3068   | 100.0 |
| 90-180 | 0      | 0.0   |
| 0-180  | 3068   | 100.0 |

For lux multiply fc by 10.7

# Specifications / SkyRibbon Essential White Wall Washing Powercore, 3000 K, 35° x 105° spread lens

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

| Item                     | Specification       | Details  |
|--------------------------|---------------------|--|
| Output                   | Lumens*             | 3068   |
|                          | Efficacy (lm / W)   | 45.8   |
|                          | CRI                 | 84   |
|                          | Power Factor        | .992 @ 120 VAC   |
|                          | Color Temperature†  | 3000 K   |
|                          | Lumen Maintenance‡  | 76,000 hours L70 @ 25° C 50,000 hours L70 @ 40° C<br>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)<br>Wieland integral male / female connectors (220 – 240 VAC)   |
|                          | Temperature Ranges  | -4° – 104° F (-20° – 40° C) Operating<br>-4° – 104° F (-20° – 40° C) Startup<br>-40° – 176° F (-40° – 80° C) Storage   |
|                          | Fixture Run Lengths | To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from <a href="http://www.philipscolorkinetics.com/support/install_tool/">www.philipscolorkinetics.com/support/install_tool/</a> |
|                          | Humidity            | 0 – 95%, non-condensing  |
| Certification and Safety | Certification       | UL / cUL, CE, FCC Class A  |
|                          | Environment         | Dry / Damp Location, IP20  |

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

§ Refer to [www.philipscolorkinetics.com/support/appnotes/](http://www.philipscolorkinetics.com/support/appnotes/) for specific details.



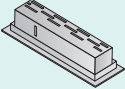
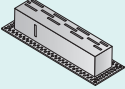
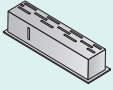
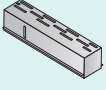
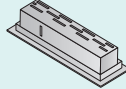
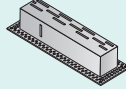
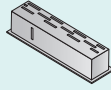
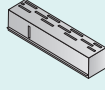




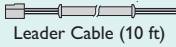
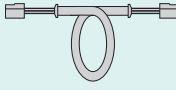
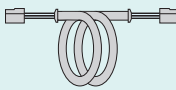
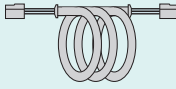
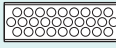
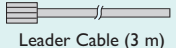
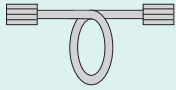
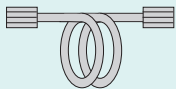
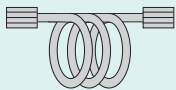
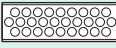
## Dimensions and Weight

| Fixture           |  | Flanged            | Flangeless          | T-Bar              | Slotted-T          |
|-------------------|--|--------------------|---------------------|--------------------|--------------------|
| 120 VAC / 277 VAC | Housing Dimensions<br>(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<br>(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  | 2 Choose LED module   | 3 Choose optional spread lens   | 4 Choose accessories  |  |  |
|--|---|---|---|--|--|
| <p><b>120 VAC or 277 VAC</b></p>  <p>Flanged (2 ft)</p>  <p>Flangeless (2 ft)</p>  <p>T-Bar (2 ft)</p>  <p>Slot-T (2 ft)</p> | <p><b>220 – 240 VAC</b></p>  <p>Flanged (600 mm)</p>  <p>Flangeless (600 mm)</p>  <p>T-Bar (600 mm)</p>  <p>Slot-T (600 mm)</p> |  <p>2700 K<br/>2 ft or 600 mm</p>  <p>3000 K<br/>2 ft or 600 mm</p>  <p>3500 K<br/>2 ft or 600 mm</p>  <p>4000 K<br/>2 ft or 600 mm</p> | <p><b>120 VAC / 277 VAC</b></p>  <p>Leader Cable (10 ft)</p>  <p>Jumper Cable (1 ft)</p>  <p>Jumper Cable (4 ft)</p>  <p>Jumper Cable (8 ft)</p>  <p>Louver (2 ft)</p> <p><b>220 – 240 VAC</b></p>  <p>Leader Cable (3 m)</p>  <p>Jumper Cable (0.9 m)</p>  <p>Jumper Cable (1.4 m)</p>  <p>Jumper Cable (1.7 m)</p>  <p>Louver (600 m)</p> |  |  |
|  |   |   | <p>30° x 30°</p> <p>30° x 60°</p> <p>35° x 105°</p> <p>40° x 80°</p> <p>65° x 65°</p> <p>70° x 95°</p> <p>90° x 90°</p>   |  |  |

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

For 120 / 277 VAC installations, you can either use leader and jumper cables or hardwire the fixtures. When hardwiring, the fixture acts as a junction box.

## 2 ft / 120 VAC or 277 VAC

| Item     | Voltage | Type                            | Item Number                        | Philips 12NC                      |
|----------|---------|---------------------------------|------------------------------------|-----------------------------------|
| Housings | 120 VAC | T-Bar                           | 172-000072-00                      | 910503703213                      |
|          |         | Slotted-T                       | 172-000072-12                      | 910503704284                      |
|          |         | Flanged<br>(fixture and flange) | 172-000072-00 and<br>120-000172-14 | 910503703213 and<br>120-000172-09 |
|          |         | Flangeless                      | 172-000072-01                      | 910503703214                      |
|          | 277 VAC | T-Bar                           | 172-000072-04                      | 910503704245                      |
|          |         | Slotted-T                       | 172-000072-14                      | 910503704245                      |
|          |         | Flanged<br>(fixture and flange) | 172-000072-04 and<br>120-000172-14 | 910503704245 and<br>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<br>(fixture and flange) | 172-000072-08 and<br>120-000172-10 | 910503704263 and<br>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.



Philips Color Kinetics  
 3 Burlington Woods Drive  
 Burlington, Massachusetts 01803 USA  
 Tel 888.385.5472  
 Tel 617.423.9999  
 Fax 617.423.9998  
[www.philipscolorkinetics.com](http://www.philipscolorkinetics.com)

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