

# TIE STIX SUSPENSION

## POWER, CENTER FEED DIRECT DOWN LIGHT

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 08.20.21



### DESCRIPTION

Tie Stix Center Feed is a linear LED suspension that creates a clean, direct beam of light using a Diffused White lens with a 100° beam spread. Offered in several sizes up to 96" and eleven versatile finishes, six metal and five wood options with corresponding metal hardware. The Tie Stix Center Feed Suspension is offered in 5 or 7-watt versions with Designer Grade Color Rendering LEDs (CRI 95+). Choose from nine standard Color Temperatures ranging between 2200K to 5700K, including two Warm Dim options of (27D) 2700K or (30D) 3000K that dim down to 2000K. Optional Fast Jack 12V Port Canopy (C1) for mounting Fast Jack fixtures to easily accommodate a variety of moods and tasks. Includes a 5-year pro-rated warranty. For custom lengths and quotes, email our design team [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### LAMPING

- Choose from 9 different color temperatures from 22K - 57K including Warm Dim
- Warm Dim - 2700K to 2000K (27D) or 3000K to 2000K (30D)
- 50,000 Hour Lamp Life
- Designer Grade High CRI 95+ LEDs

### APPLICATIONS

Designed for indoor use only. Ideal applications include Residential, Commercial, Retail, and Hospitality environments.

### ELECTRICAL

Power Supply: 120V/24V Electronic Low Voltage  
 Power Consumption: 5 watts per foot, up to 420lm/ft  
 7.5 watts per foot, up to 660lm/ft  
 Dimming: Dimmable with ELV (Electronic Low Voltage)  
 Approvals: Damp Location Suitable, ETL listed, Class 2 wiring.  
 Assembled in America.

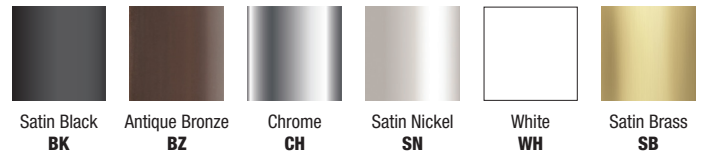
### PHYSICAL ATTRIBUTES

Mounting Options: C (center feed) or C1 (Center Feed with 12V Fast Jack connection).  
 Ordering Increments: Order in sizes ranging from 39" to 96". Max length for Chrome Channel is 84"  
 Material: Genuine Hardwood, Cast Aluminum, Includes 12' of adjustable coaxial cables.  
 Average LED Life: 50,000 hours @ normal use  
 Warranty: PureEdge's 5 year pro-rated warranty, backed by over 30 years of precision manufacturing and design.

### FINISHES\*



\*Wood finishes are authentic natural products, exact color and grain may vary. If you are trying to match an existing material, please contact us for a finish sample. We are able to accommodate some requests to pair our wood finishes with COM.



| System   | Wattage Per Foot                           | Power Feed  | Nominal Size (L)   | Color Temperature  | Canopy & Hardware Finish  | Channel Finish   |
|--|--|---|--|--|---|--|
| <b>TXSP</b>  | <b>5W</b>                                  | <b>C</b>  | <b>40</b>  | <b>27K</b>   | <b>S</b>  | <b>SN</b>  |
| <b>TXSP</b> Tie Stix Suspension With UNI Power in Canopy | <b>5W</b> 4.8 Watts<br><b>7W</b> 7.5 Watts | <b>C</b> Center Feed<br><b>C1</b> Center Feed with Fast Jack Port | <b>39</b> 40.5" <b>72</b> 73.5"<br><b>48</b> 49.5" <b>84</b> 85.5"*<br><b>60</b> 61.5" <b>96</b> 97.5"<br>*Due to natural nature of wood, metal finish lengths are reduced 2/5" from the nominal size.<br>*84" Max Chrome length | <b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>27K</b> 2700K Incandescent White<br><b>27D</b> 2700K Warm Dim (5 Watt Only)<br><b>30K</b> 3000K Warm White<br><b>30D</b> 3000K Warm Dim (5 Watt Only)<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>57K</b> 5700K Daylight White | <b>B</b> Satin Black<br><b>Z</b> Antique Bronze<br><b>C</b> Chrome<br><b>S</b> Satin Nickel<br><b>W</b> White | <b>WM</b> Wood Maple<br><b>WN</b> Wood Walnut<br><b>WC</b> Wood Cherry<br><b>WO</b> Wood White Oak<br><b>WE</b> Wood Espresso<br><b>BK</b> Satin Black<br><b>BZ</b> Antique Bronze<br><b>CH</b> Chrome<br><b>SN</b> Satin Nickel<br><b>WH</b> White<br><b>SB</b> Satin Brass |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

### LAMP DATA Lamp Data for Tie Stix Suspension

| WATTS PER FOOT          | TXSUP        |     |     |      |     |      |     |     |                |     |     |     |     |     |     |     |
|-------------------------|--------------|-----|-----|------|-----|------|-----|-----|----------------|-----|-----|-----|-----|-----|-----|-----|
|                         | 5W (5 watts) |     |     |      |     |      |     |     | 7W (7.5 watts) |     |     |     |     |     |     |     |
|                         | 22K          | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K            | 22K | 24K | 27K | 30K | 35K | 40K | 57K |
| COLOR TEMPERATURE       | 240          | 268 | 293 | 236  | 320 | 259  | 366 | 398 | 424            | 377 | 421 | 461 | 503 | 576 | 627 | 667 |
| LUMENS PER FOOT (lm/ft) | 55           | 61  | 67  | 49   | 73  | 54   | 83  | 91  | 96             | 52  | 58  | 63  | 69  | 79  | 86  | 91  |
| LUMENS PER WATT (lm/w)  | 85+          | 90+ | 95+ | 95+  | 95+ | 95+  | 90+ | 85+ | 85+            | 85+ | 90+ | 95+ | 95+ | 90+ | 85+ | 85+ |
| CRI                     | 85+          | 90+ | 95+ | 95+  | 95+ | 95+  | 90+ | 85+ | 85+            | 85+ | 90+ | 95+ | 95+ | 90+ | 85+ | 85+ |

\*27D, 30D - Warm Dim (4.8 Watts)

### LENGTH CHART Actual Lengths for Wood & Metal finishes

| ORDERING CODE<br>(Nominal Size) | ACTUAL SIZE                             |  |
|---------------------------------|---|--|
|                                 | WOOD CHANNEL<br>OVERALL LENGTH (Inches) | METAL CHANNEL<br>OVERALL LENGTH (Inches) |
| 39                              | 40.5"                                   | 40.1"                                    |
| 48                              | 49.5"                                   | 49.1"                                    |
| 60                              | 61.5"                                   | 61.1"                                    |
| 72                              | 73.5"                                   | 73.1"                                    |
| 84*                             | 85.5"                                   | 85.1"                                    |
| 96                              | 97.5"                                   | 97.1"                                    |

\*Maximum length for Chrome finish

### WOOD FINISH OPTION EXAMPLES



SATIN NICKEL WITH CHERRY WOOD



CHROME WITH ESPRESSO WOOD



SATIN BLACK WITH MAPLE WOOD



CHROME WITH WALNUT WOOD



CHROME WITH WHITE OAK WOOD

### METAL FINISH OPTION EXAMPLES



SATIN NICKEL WITH ANTIQUE BRONZE CHANNEL



SATIN BLACK WITH CHROME CHANNEL



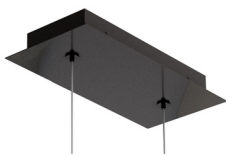
WHITE WITH SATIN BLACK CHANNEL



CHROME WITH CHROME CHANNEL



BLACK WITH SATIN BRASS CHANNEL



ANTIQUÉ BRONZE CANOPY



CHROME CANOPY



SATIN BLACK CANOPY



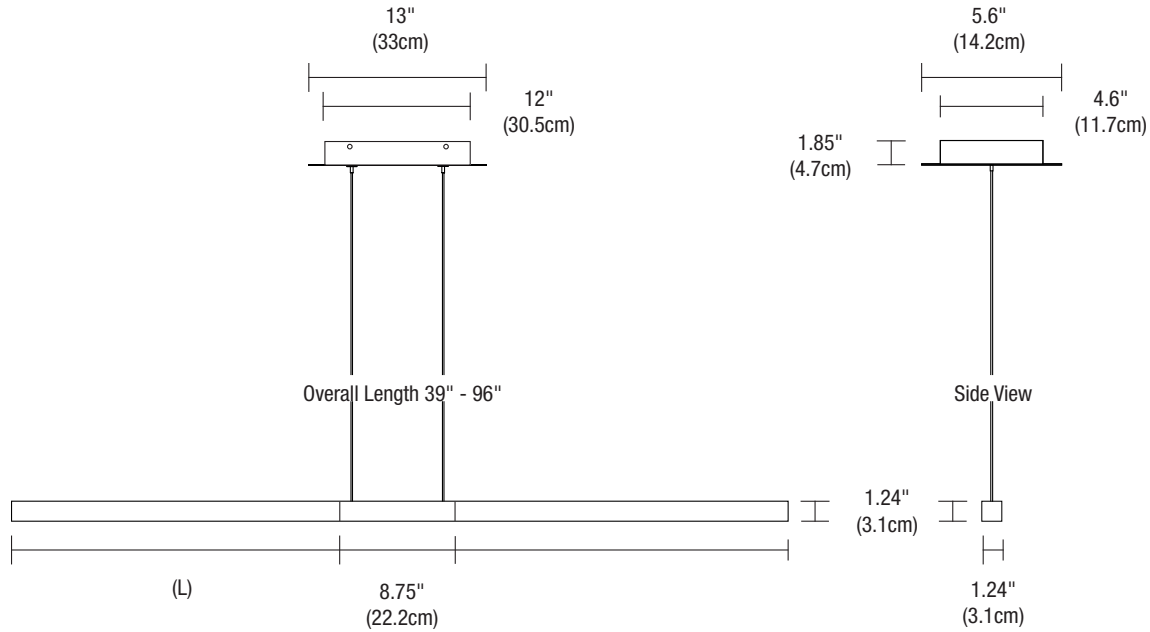
SATIN NICKEL CANOPY  
(C1 CANOPY SHOWN WITH FJ PISTON  
IN SATIN NICKEL, SOLD SEPARATELY)



WHITE CANOPY

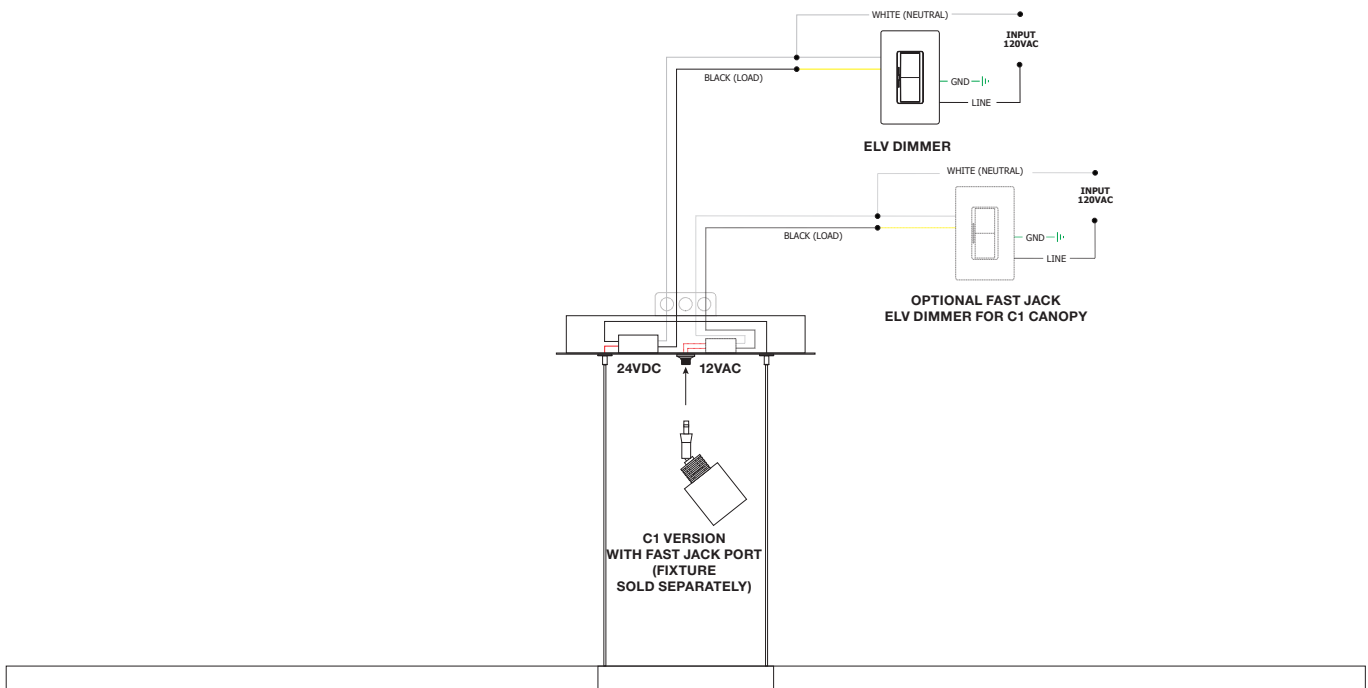
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| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

**Drawings:** Dimension drawings for the Tie Stix LED Suspension, Center Feed



**WIRING DIAGRAM**

**APPLICATION** Dual ELV dimming for Tie Stix Suspension Center Feed Canopy with Fast Jack Port (C1)  
**DIMMING** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
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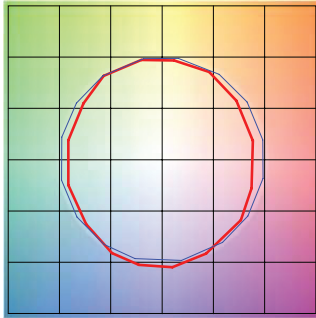
# TM30 DATA

## POWER, CENTER FEED DIRECT DOWN LIGHT

**TM-30-15 DATA:** The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

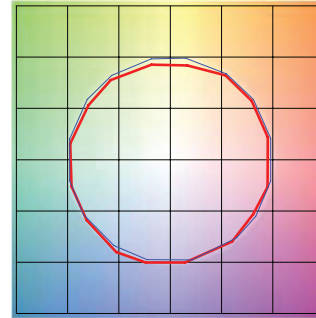


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 78.8 | -9.5%            | 1.3%   |
| 2       | 80.7 | -7.8%            | 6.7%   |
| 3       | 78.2 | -3.3%            | 9.4%   |
| 4       | 89.7 | -2.8%            | 3.6%   |
| 5       | 93.2 | -0.8%            | 2.6%   |
| 6       | 93.0 | -0.6%            | -0.7%  |
| 7       | 87.7 | -5.9%            | -3.5%  |
| 8       | 89.2 | -6.8%            | 1.9%   |
| 9       | 83.4 | -5.6%            | 6.0%   |
| 10      | 79.3 | -3.7%            | 10.8%  |
| 11      | 81.4 | 2.9%             | 11.1%  |
| 12      | 84.9 | 5.3%             | 4.9%   |
| 13      | 88.1 | 4.9%             | -10.1% |
| 14      | 68.1 | 0.1%             | -19.5% |
| 15      | 86.0 | -3.3%            | -7.3%  |
| 16      | 76.4 | -8.9%            | -11.7% |

**2400K** | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

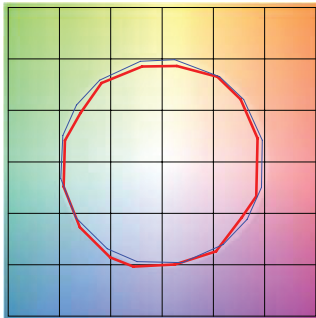


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 92.0 | -2.4%            | 1.5%  |
| 2       | 94.7 | -2.1%            | 0.0%  |
| 3       | 95.4 | -1.9%            | -0.1% |
| 4       | 88.7 | -6.7%            | -3.1% |
| 5       | 92.8 | -5.6%            | 1.0%  |
| 6       | 92.7 | -3.4%            | 3.4%  |
| 7       | 89.9 | -4.3%            | 4.1%  |
| 8       | 92.4 | -1.4%            | 4.4%  |
| 9       | 89.0 | -0.6%            | 5.8%  |
| 10      | 88.9 | 0.4%             | 6.2%  |
| 11      | 89.7 | 4.0%             | 5.4%  |
| 12      | 92.6 | 3.0%             | -0.7% |
| 13      | 90.9 | 1.1%             | -7.0% |
| 14      | 89.9 | 0.5%             | -5.8% |
| 15      | 92.1 | -3.2%            | 0.1%  |
| 16      | 88.9 | -1.7%            | -6.3% |

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

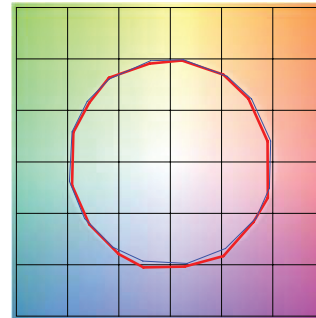


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 88.0 | -4.3%            | 2.6%  |
| 2       | 91.6 | -2.4%            | 2.0%  |
| 3       | 93.7 | -1.4%            | 1.9%  |
| 4       | 88.9 | -5.6%            | -3.1% |
| 5       | 92.3 | -5.5%            | -0.5% |
| 6       | 92.9 | -3.5%            | 0.1%  |
| 7       | 84.5 | -7.5%            | 4.6%  |
| 8       | 90.8 | -3.0%            | 4.4%  |
| 9       | 84.5 | -1.3%            | 8.3%  |
| 10      | 83.9 | 2.0%             | 9.8%  |
| 11      | 87.2 | 5.3%             | 7.1%  |
| 12      | 89.2 | 5.4%             | -2.6% |
| 13      | 88.7 | 0.3%             | -7.8% |
| 14      | 86.8 | 1.7%             | -9.3% |
| 15      | 87.6 | -5.4%            | -1.3% |
| 16      | 83.6 | -3.3%            | -9.5% |

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

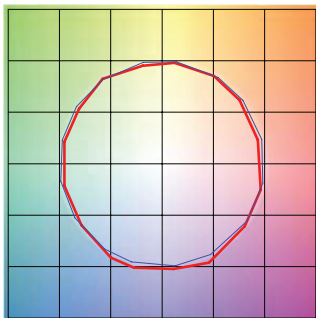


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 92.5 | -3.1%            | 0.3%  |
| 2       | 93.3 | -2.3%            | 1.9%  |
| 3       | 90.9 | -0.8%            | 3.9%  |
| 4       | 94.3 | -1.1%            | 1.4%  |
| 5       | 92.5 | -2.6%            | 1.5%  |
| 6       | 96.4 | 1.2%             | -0.3% |
| 7       | 92.6 | -2.5%            | -0.0% |
| 8       | 96.9 | -1.4%            | 0.2%  |
| 9       | 92.3 | -1.8%            | 4.3%  |
| 10      | 86.6 | -0.7%            | 7.0%  |
| 11      | 86.5 | 2.4%             | 8.2%  |
| 12      | 89.8 | 5.9%             | 1.7%  |
| 13      | 93.9 | 2.6%             | -2.7% |
| 14      | 89.4 | 5.1%             | -5.8% |
| 15      | 90.1 | -0.1%            | -4.7% |
| 16      | 86.5 | 0.3%             | -9.7% |

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

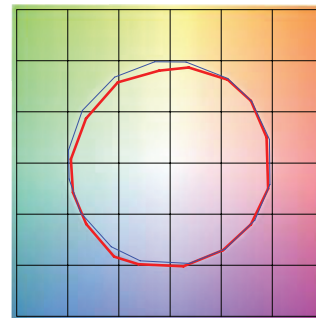


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 90.8 | -3.8%            | 0.3%  |
| 2       | 92.3 | -2.8%            | 2.1%  |
| 3       | 89.7 | -1.0%            | 4.3%  |
| 4       | 92.6 | -1.4%            | 1.7%  |
| 5       | 91.8 | -3.1%            | 1.3%  |
| 6       | 96.2 | 0.8%             | -0.4% |
| 7       | 92.9 | -3.2%            | 0.2%  |
| 8       | 94.3 | -2.5%            | 1.5%  |
| 9       | 90.4 | -2.5%            | 5.2%  |
| 10      | 84.3 | -1.4%            | 9.5%  |
| 11      | 83.1 | 3.5%             | 9.8%  |
| 12      | 88.2 | 4.8%             | 3.4%  |
| 13      | 94.0 | 2.7%             | -2.0% |
| 14      | 88.7 | 5.9%             | -5.8% |
| 15      | 88.7 | 0.7%             | -5.9% |
| 16      | 86.8 | -0.7%            | -6.7% |

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 88.9 | -2.4%            | 2.5%  |
| 2       | 93.3 | -0.4%            | 0.8%  |
| 3       | 94.8 | -1.0%            | -0.6% |
| 4       | 87.9 | -4.9%            | -3.6% |
| 5       | 85.3 | -9.4%            | -2.6% |
| 6       | 90.2 | -6.0%            | 0.2%  |
| 7       | 85.3 | -7.6%            | 4.6%  |
| 8       | 83.7 | -4.1%            | 8.2%  |
| 9       | 79.5 | -1.1%            | 13.8% |
| 10      | 78.6 | 1.5%             | 12.1% |
| 11      | 83.5 | 6.4%             | 7.8%  |
| 12      | 90.9 | 3.6%             | -1.1% |
| 13      | 88.3 | 1.7%             | -6.3% |
| 14      | 91.9 | -0.4%            | -2.2% |
| 15      | 84.5 | -0.9%            | -5.5% |
| 16      | 84.7 | -1.1%            | -4.4% |

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

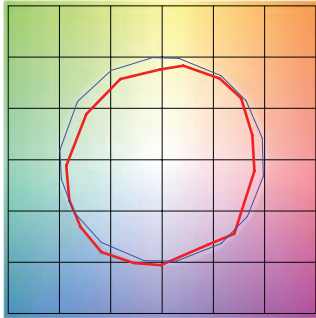
# TM30 DATA

## POWER, CENTER FEED DIRECT DOWN LIGHT

**TM-30-15 DATA:** The data below is for SS5C and SS7C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**5700K** | Rf: 80.3 | Rg: 91.5

Color Vector Graphic

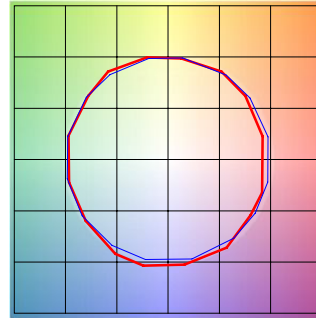


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 75.4 | -8.9%  | 4.7%   |
| 2                | 87.5 | -2.6%  | 4.6%   |
| 3                | 90.7 | -3.0%  | -0.5%  |
| 4                | 83.2 | -6.0%  | -5.7%  |
| 5                | 76.2 | -12.9% | -5.3%  |
| 6                | 81.4 | -11.9% | -2.6%  |
| 7                | 74.8 | -14.0% | 5.1%   |
| 8                | 69.0 | -9.0%  | 14.1%  |
| 9                | 72.6 | -3.6%  | 22.2%  |
| 10               | 71.4 | 2.7%   | 16.1%  |
| 11               | 81.3 | 7.9%   | 5.3%   |
| 12               | 83.6 | 4.1%   | -9.4%  |
| 13               | 78.4 | 0.7%   | -15.3% |
| 14               | 77.7 | -6.2%  | -11.0% |
| 15               | 68.8 | -1.3%  | -21.2% |
| 16               | 80.8 | -9.6%  | 3.3%   |

**2700D** | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

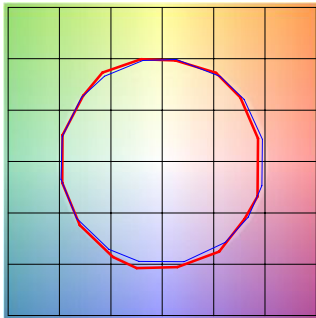


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.8 | -5.1%  | 1.4%   |
| 2                | 89.8 | -2.7%  | 4.1%   |
| 3                | 87.2 | 0.3%   | 5.9%   |
| 4                | 92.3 | -0.9%  | 1.0%   |
| 5                | 93.3 | 1.5%   | 1.7%   |
| 6                | 92.4 | 3.6%   | -0.2%  |
| 7                | 92.2 | -0.9%  | -2.4%  |
| 8                | 96.7 | -0.4%  | -1.1%  |
| 9                | 92.3 | -1.2%  | 3.7%   |
| 10               | 88.9 | -0.0%  | 6.1%   |
| 11               | 86.4 | 5.1%   | 7.4%   |
| 12               | 88.2 | 6.3%   | -0.9%  |
| 13               | 87.2 | 3.8%   | -8.1%  |
| 14               | 84.2 | 3.8%   | -11.0% |
| 15               | 89.8 | -2.6%  | -4.3%  |
| 16               | 82.7 | -3.4%  | -11.1% |

**3000D** | Rf: 89.8 | Rg: 101.4

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.2 | -4.2%  | 1.5%   |
| 2                | 90.9 | -2.0%  | 3.7%   |
| 3                | 87.9 | 0.8%   | 5.5%   |
| 4                | 92.1 | -0.9%  | 0.6%   |
| 5                | 93.0 | 1.5%   | 1.6%   |
| 6                | 92.2 | 3.9%   | -0.2%  |
| 7                | 92.1 | -0.3%  | -2.0%  |
| 8                | 96.7 | 0.0%   | -1.2%  |
| 9                | 92.5 | -0.6%  | 3.7%   |
| 10               | 88.3 | 1.1%   | 7.0%   |
| 11               | 87.2 | 4.1%   | 7.4%   |
| 12               | 87.2 | 6.7%   | -1.0%  |
| 13               | 88.2 | 3.8%   | -7.2%  |
| 14               | 85.3 | 4.3%   | -9.9%  |
| 15               | 90.9 | -2.2%  | -3.6%  |
| 16               | 83.4 | -2.2%  | -11.2% |

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

# TIE STIX SUSPENSION

## POWER, CENTER FEED DIRECT DOWN LIGHT



**FJ-SCO-1-PN**  
 Fast Jack Scope LED  
 9W, 315 lumens 3000K  
 (adjustable beam spread  
 from 20°-50°)  
 Fixture Finishes: SN, PN, BZ, WH



**FJ-PST-SP-1-30K-SN**  
 Fast Jack Piston  
 9W, 650 lumens  
 SP 15°, NF 25°, FL 35°  
 & WF 45° Beam Spreads  
 Fixture Finishes: SN, WH



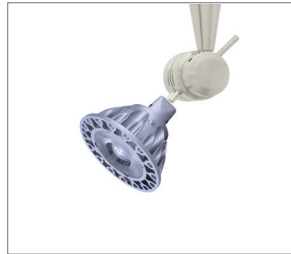
**FJ-FOR-SQ-3-PN**  
**FJ-FOR-RD-3-PN**  
 Fast Jack Form Round or Square  
 Fixture Finishes: SN, PN



**FJ-FOR-2RD-3-SN**  
**FJ-FOR-2SQ-3-SN**  
 Fast Jack Form  
 Round or Square 2-Head  
 Fixture Finishes: SN, PN



**FJ-REB-1-PN**  
 Fast Jack Rebel  
 Fixture Finishes: SN, PN, BZ, WH



**FJ-CHO-1-SN**  
 Fast Jack Chopper with LED  
 Fixture Finishes: SN, PN, BZ



**FJ-SPI-3-PN with S1-PN**  
 Fast Jack Spirit, S1 Shade  
 Fixture Finishes: SN, PN, BZ  
 S1 Shade Finishes: SN, PN, BZ, BK



**FJ-LOW-1-SN with S1-SN**  
 Fast Jack Low Rider, S1 Shade  
 Fixture Finishes: SN, PN, BZ  
 S1 Shade Finishes: SN, PN, BZ, BK

### FAST JACK FIXTURE & SHADE FINISHES

|           |              |           |                 |           |                |           |       |           |       |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|
| <b>SN</b> | Satin Nickel | <b>PN</b> | Polished Nickel | <b>BZ</b> | Antique Bronze | <b>WH</b> | White | <b>BK</b> | Black |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|



# 12VAC LED MR16

REV 08.20.21

## SOL LIGHT WARM DIM

| Brand | Ordering Code            | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim        | Total Lumens | Lumens Per Watt | Voltage | Certification               | Halogen Equivalent |
|-------|--------------------------|-------|-----|----|----------------------|-------------------|---------------------|--------------|-----------------|---------|-----------------------------|--------------------|
|       | MR16-12V-8W-FL-27KWDH-SL | 8     | 97+ | 85 | 36                   | 30,000            | 2700K dims to 1800K | 390          | 50              | 12V     | Low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-FL-30KWDH-SL | 8     | 97+ | 85 | 36                   | 30,000            | 3000K dims to 1800K | 427          | 55              | 12V     | Low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-NF-27KWDH-SL | 8     | 97+ | 85 | 24                   | 30,000            | 2700K dims to 1800K | 410          | 53              | 12V     | Low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-NF-30KWDH-SL | 8     | 97+ | 85 | 24                   | 30,000            | 3000K dims to 1800K | 450          | 58              | 12V     | Low flicker <1% CE, UL, NOM | 50                 |

## SORAA BRILLIANT HIGH LUMEN 2700K COLOR TEMPERATURE

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP  | Total Lumens | Lumens Per Watt | Voltage      | Certification   | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|       | SM16-07-10D-827-H1* | 8     | 90  | 80 | 10                   | 35,000            | 8,000 | 575          | 77              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |
|       | SM16-07-25D-827-H1  | 8     | 90  | 80 | 25                   | 35,000            | 3,710 | 600          | 80              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |
|       | SM16-07-36D-827-H1  | 8     | 90  | 80 | 36                   | 35,000            | 1,550 | 600          | 80              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |

\*Use with Snap Lens

## SORAA VIVID 2700K COLOR TEMPERATURE INDOOR/OUTDOOR

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage      | Certification   | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|---|--------------------|
|       | SM16-07-10d-927-03* | 8     | 95  | 95 | 10                   | 35,000            | 5,710        | 390          | 52              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-25D-927-03  | 8     | 95  | 95 | 25                   | 35,000            | 2,260        | 410          | 55              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-36D-927-03  | 8     | 95  | 95 | 36                   | 35,000            | 1,070        | 410          | 55              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |

\*Use with Snap Lens

## SORAA HEALTHY

| Brand | Ordering Code           | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage      | Certification                       | Halogen Equivalent |
|-------|-------------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|-------------------------------------|--------------------|
|       | SH-MR16-07-36D-27-01-X2 | 8     | 80  | 90 | 36                   | 25,000            | 1,020        | 400          | 53              | 12V +/- 1.2V | UL/CUL, FCC Title 47 Part 15B, RoHS | 50                 |

## SORAA BRILLIANT HIGH LUMEN 3000K COLOR TEMPERATURE

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP  | Total Lumens | Lumens Per Watt | Voltage      | Certification   | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|       | SM16-07-10D-830-H1* | 8     | 90  | 80 | 10                   | 35,000            | 8,400 | 600          | 80              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |
|       | SM16-07-25D-830-H1  | 8     | 90  | 80 | 25                   | 35,000            | 3,300 | 630          | 84              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |
|       | SM16-07-36D-830-H1  | 8     | 90  | 80 | 36                   | 35,000            | 1,650 | 630          | 84              | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75                 |

\*Use with Snap Lens

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# 12VAC LED MR16

REV 08.20.21

## SORAA VIVID 3000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage      | Certification   | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|---|--------------------|
|       | SM16-07-10D-930-03* | 8     | 95  | 95 | 10                   | 35,000            | 6,000        | 410          | 55              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-25D-930-03  | 8     | 95  | 95 | 25                   | 35,000            | 2,400        | 435          | 58              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-36D-930-03  | 8     | 95  | 95 | 36                   | 35,000            | 1,130        | 435          | 58              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |

\*Use with Snap Lens

## SORAA VIVID 4000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP  | Total Lumens | Lumens Per Watt | Voltage      | Certification   | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|       | SM16-07-10D-940-03* | 8     | 95  | 95 | 10                   | 35,000            | 6,290 | 430          | 57              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-25D-940-03  | 8     | 95  | 95 | 25                   | 35,000            | 2,510 | 455          | 61              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-36D-940-03  | 8     | 95  | 95 | 36                   | 35,000            | 1,190 | 455          | 61              | 12V +/- 1.2V | UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |

\*Use with Snap Lens

## SATCO 3500K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

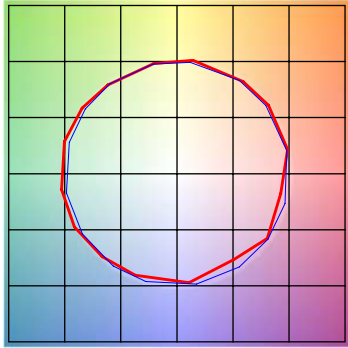
| Brand | Ordering Code | Watts | CRI | R9  | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP  | Total Lumens | Lumens Per Watt | Voltage | Certification  | Halogen Equivalent |
|-------|---------------|-------|-----|-----|----------------------|-------------------|-------|--------------|-----------------|---------|--|--------------------|
|       | S8637         | 8     | 90+ | N/A | 15                   | 25,000            | 6,290 | 430          | 61              | 12      | UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California | 75                 |
|       | S8642         | 8     | 90+ | N/A | 40                   | 25,000            | 2,510 | 455          | 61              | 12      | UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California | 75                 |

8MR16/LED/40°/35K/90CRI/12V 8 watt; LED MR16; 3500K; 40° beam spread; GU5.3 base; 12 volts. Features: Silver back MR16 reflector. Direct replacements for 75 watt Halogen lamps - uses only 8 watts. Dimmable. No UV or IR radiation. Approved for enclosed fixtures.

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|



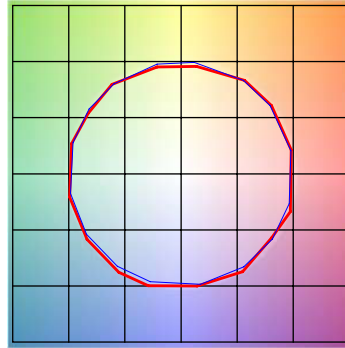
**SORAA VIVID MR16 36° FL**  
**3000K** | Rf: 90.4 | Rg: 99.5  
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 94.4 | 1.0%             | 0.8%   |
| 2       | 94.6 | 2.1%             | -1.1%  |
| 3       | 91.9 | 1.1%             | -3.3%  |
| 4       | 91.9 | 2.1%             | -2.1%  |
| 5       | 93.9 | 0.4%             | -0.9%  |
| 6       | 95.2 | 0%               | 1.9%   |
| 7       | 93.4 | 2.7%             | -0.7%  |
| 8       | 92.7 | 4.2%             | 0.1%   |
| 9       | 90.5 | 3.6%             | -3.9%  |
| 10      | 84.3 | 2.3%             | -9.2%  |
| 11      | 81.3 | 2.3%             | -12.7% |
| 12      | 81.3 | -3.6%            | -10.3% |
| 13      | 90.5 | -2.5%            | -6.2%  |
| 14      | 88.5 | -8.2%            | -0.4%  |
| 15      | 96.2 | -1.0%            | 0.3%   |
| 16      | 86.6 | -5.4%            | 8.2%   |

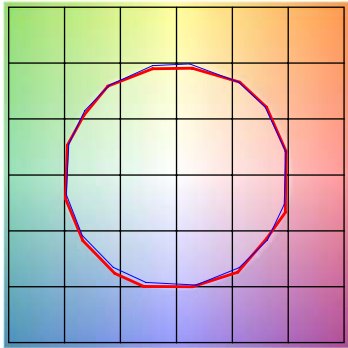
**SOL-LIGHT WARM DIM MR16 36° FL**  
**3000K** | Rf: 94.2 | Rg: 101.2  
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 96.0 | 0.3%             | 0.7%  |
| 2       | 96.8 | 0.9%             | -0.8% |
| 3       | 95.6 | 0.5%             | -0.8% |
| 4       | 93.1 | -3.2%            | -2.7% |
| 5       | 95.7 | -2.4%            | 0.4%  |
| 6       | 96.8 | 0.4%             | 1.6%  |
| 7       | 92.4 | -1.4%            | 3.5%  |
| 8       | 96.8 | 1.2%             | 1.2%  |
| 9       | 94.0 | 1.4%             | 3.1%  |
| 10      | 92.6 | 2.1%             | 3.9%  |
| 11      | 92.2 | 3.7%             | 3.9%  |
| 12      | 92.4 | 3.9%             | -0.9% |
| 13      | 94.7 | 0.9%             | -3.3% |
| 14      | 93.4 | 3.0%             | -3.2% |
| 15      | 93.6 | -1.1%            | 0.9%  |
| 16      | 90.2 | 2.4%             | -6.7% |

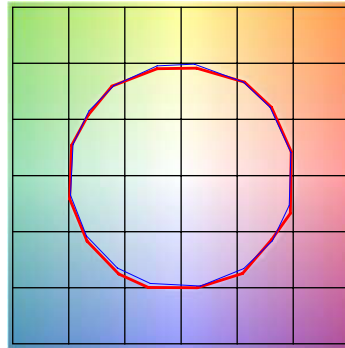
**SORAA VIVID MR16 25° NFL**  
**3000K** | Rf: 94.0 | Rg: 101.0  
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 95.9 | 0.3%             | 0.8%  |
| 2       | 96.8 | 0.8%             | -0.9% |
| 3       | 95.5 | 0.4%             | -0.9% |
| 4       | 92.7 | -3.4%            | -2.9% |
| 5       | 95.6 | -2.7%            | 0.4%  |
| 6       | 96.8 | 0.1%             | 1.6%  |
| 7       | 92.2 | -1.6%            | 3.7%  |
| 8       | 96.6 | 1.1%             | 1.5%  |
| 9       | 93.7 | 1.4%             | 3.3%  |
| 10      | 92.4 | 2.2%             | 4.1%  |
| 11      | 92.2 | 3.8%             | 3.8%  |
| 12      | 92.4 | 3.9%             | -1.1% |
| 13      | 94.4 | 0.8%             | -3.6% |
| 14      | 93.3 | 2.8%             | -3.4% |
| 15      | 93.4 | -1.4%            | 0.9%  |
| 16      | 90.3 | 2.2%             | -6.7% |

**SOL-LIGHT WARM DIM MR16 24° NFL**  
**3000K** | Rf: 94.2 | Rg: 101.2  
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 95.9 | 0.3%             | 0.8%  |
| 2       | 96.8 | 0.8%             | -0.9% |
| 3       | 95.5 | 0.4%             | -0.9% |
| 4       | 92.7 | -3.4%            | -2.9% |
| 5       | 95.6 | -2.7%            | 0.4%  |
| 6       | 96.8 | 0.1%             | 1.6%  |
| 7       | 92.2 | -1.6%            | 3.7%  |
| 8       | 96.6 | 1.1%             | 1.5%  |
| 9       | 93.7 | 1.4%             | 3.3%  |
| 10      | 92.4 | 2.2%             | 4.1%  |
| 11      | 92.2 | 3.8%             | 3.8%  |
| 12      | 92.4 | 3.9%             | -1.1% |
| 13      | 94.4 | 0.8%             | -3.6% |
| 14      | 93.3 | 2.8%             | -3.4% |
| 15      | 93.4 | -1.4%            | 0.9%  |
| 16      | 90.3 | 2.2%             | -6.7% |

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|