

# TWIGGY S1 VANITY WALL

24VDC, STATIC WHITE & WARM DIM

DESIGNED BY GREGORY KAY | MADE IN AMERICA

REV 02.11.22



## DESCRIPTION

The Twiggy S1 Vanity Wall fixture contains Designer Grade 95+ CRI LEDs for excellent color rendering ranging from color temperatures of 2400K-4000K. Warm Dim options of **(27D)** 2700K or **(30D)** 3000K that dim down to 2000K. The Twiggy S1 Vanity is available in standard sizes from 12" to 96" (custom order length available). Fixture options include, **TW2** 120V-24VDC electronic low voltage (ELV) power supply (included) that fits inside three different junction box options. **TW2R** Remote Universal Power supplies (sold separately), Class 2 wiring with dimming choices of Triac, ELV or 0-10V (not included). Fixture includes 5 year pro-rated warranty. For Custom designs, layout assistance and quotes, email our Design Team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

## REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS

- **Power Supply Options:**  
**TW2:** [Electronic Low Voltage \(ELV\)](#)<sup>†</sup> fits in junction box (included)  
<sup>†</sup>ELV power supplies are not compatible with nLight, use only Universal power supplies  
**TW2R:** Remote, Class 2 power supply [UNI Driver: Universal Dimming](#) (Sold Separately).
- **Power Consumed:** 5 Watts per foot
- **Average LED life:** 50,000 hrs @ normal usage

## DIMMING\*

- **TW2:** ELV Dimmer with Power Supply in J-Box
- **TW2R:** Remote Power, Universal Dimming (**TRIAC, ELV, 0-10V**)

\*Dimmers sold separately.

## PHYSICAL ATTRIBUTES

- **Mounting Options:**  
**4SQ:** Floating Canopy Mounts to standard 4" electrical box with round plaster ring anywhere along the fixture.  
**1RE:** Floating Canopy Mounts to Slim Profile junction box (included) recommend for new construction applications.
- **Ordering Increments:** Order every 2" or 3" up to 96". See Length Chart for nominal and exact sizes.
- **Max Length:** 96" Custom lengths available
- **Material:** High Grade Aluminum Channel, Designer Grade LEDs
- **Compliance:** ADA, ETL
- **Warranty:** PureEdge's 5 Year pro-rated Warranty is backed by over 30 years of precision lighting manufacturing and design.

## APPLICATIONS

Bathroom Vanity, Dressing Rooms, Resort Spa, Beauty Salon, Retail, Hospitality, Hotels, Flagship Stores, High Rises, Condo Buildings, Office Spaces

## APPROVALS

Damp Location, ETL listed, Class 2 wiring, Made in America.

Product	Lens	Canopy	Length In Inches	Color Temperature	Finish
<b>TW2</b>	<b>S1</b>	<b>1RE</b>	<b>12IN</b>	<b>27K</b>	<b>SA</b>
<b>TW2</b> Twiggy Vanity 24VDC with Power Supply in JBox <b>TW2R</b> Twiggy Vanity with Remote Universal Power Supply, order separately	<b>S1</b> Square 1"	<b>4SQ</b> 4" Floating Square Canopy <b>1RE</b> 1" Rectangle Floating Canopy with Junction Box	<b>12IN to 96IN</b> Order in various 2" and 3" increments from 12" to 96" (See length chart).	<b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>27D</b> 2700K Warm Dim to 2000K 5 Watt Only <b>30K</b> 3000K Warm White <b>30D</b> 3000K Warm Dim to 2000K 5 Watt Only <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White	<b>BK</b> Satin Black <b>BZ</b> Antique Bronze <b>SA</b> Satin Aluminum <b>SN</b> Satin Nickel <b>WH</b> White

PROJECT	FIXTURE TYPE	DATE
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# TWIGGY S1 VANITY WALL

24VDC, STATIC WHITE & WARM DIM

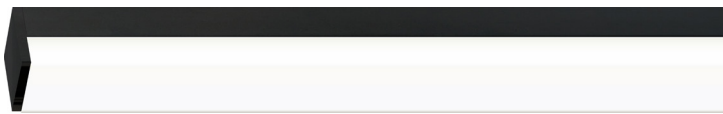
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## Nominal Lamp Data: Twiggy S1 Vanity

TW2							
DIFFUSED SQUARE 1 LENS							
5W (4.4 watts)							
DESCRIPTION							
WATTS PER FOOT							
COLOR TEMPERATURE	24K	27K	27D*	30K	30D*	35K	40K
LUMENS PER FOOT (lm/ft)	284	287	341	299	341	344	362
LUMENS PER WATT (lm/w)	65	65	71	68	71	78	82
CRI	90+	95+	93+	95+	92+	85+	85+

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

## FINISHES:



Satin Black  
**BK**



Antique Bronze  
**BZ**



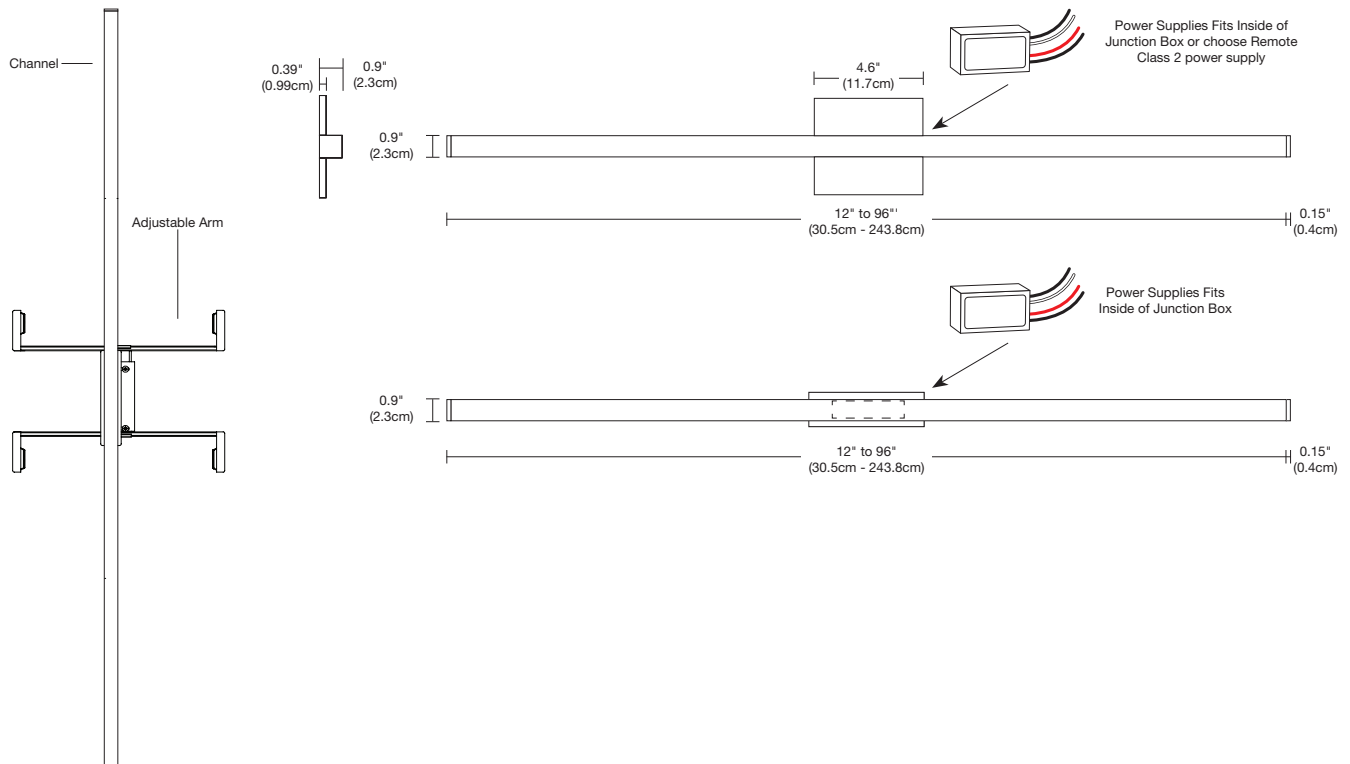
Satin Aluminum  
**SA**



Satin Nickel  
**SN**



White  
**WH**



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**TWIGGY S1 VANITY WALL**  
24VDC, STATIC WHITE & WARM DIM

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**Length Chart:** Actual lengths for Twiggy S1

**STATIC WHITE**

ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)
12IN	13.1	56IN	56.3
15IN	15.5	58IN	58.7
17IN	17.9	60IN	61.1
20IN	20.3	63IN	63.5
22IN	22.7	65IN	65.9
24IN	25.1	68IN	68.3
27IN	27.5	70IN	70.7
29IN	29.9	72IN	73.1
32IN	32.3	75IN	75.5
34IN	34.7	77IN	77.9
36IN	37.1	80IN	80.3
39IN	39.5	82IN	82.7
41IN	41.9	84IN	85.1
44IN	44.3	87IN	87.5
46IN	46.7	89IN	89.9
48IN	49.1	92IN	92.3
51IN	51.5	94IN	94.7
53IN	53.9	96IN	97.1

**WARM DIM**

ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)
12IN	13.1	57IN	58.1
15IN	16.1	60IN	61.1
18IN	19.1	63IN	64.1
21IN	22.1	66IN	67.1
24IN	25.1	69IN	70.1
27IN	28.1	72IN	73.1
30IN	31.1	75IN	76.1
33IN	34.1	78IN	79.1
36IN	37.1	81IN	82.1
39IN	40.1	84IN	85.1
42IN	43.1	87IN	88.1
45IN	46.1	90IN	91.1
48IN	49.1	93IN	94.1
51IN	52.1	96IN	97.1
54IN	55.1		

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# TWIGGY S1 VANITY WALL

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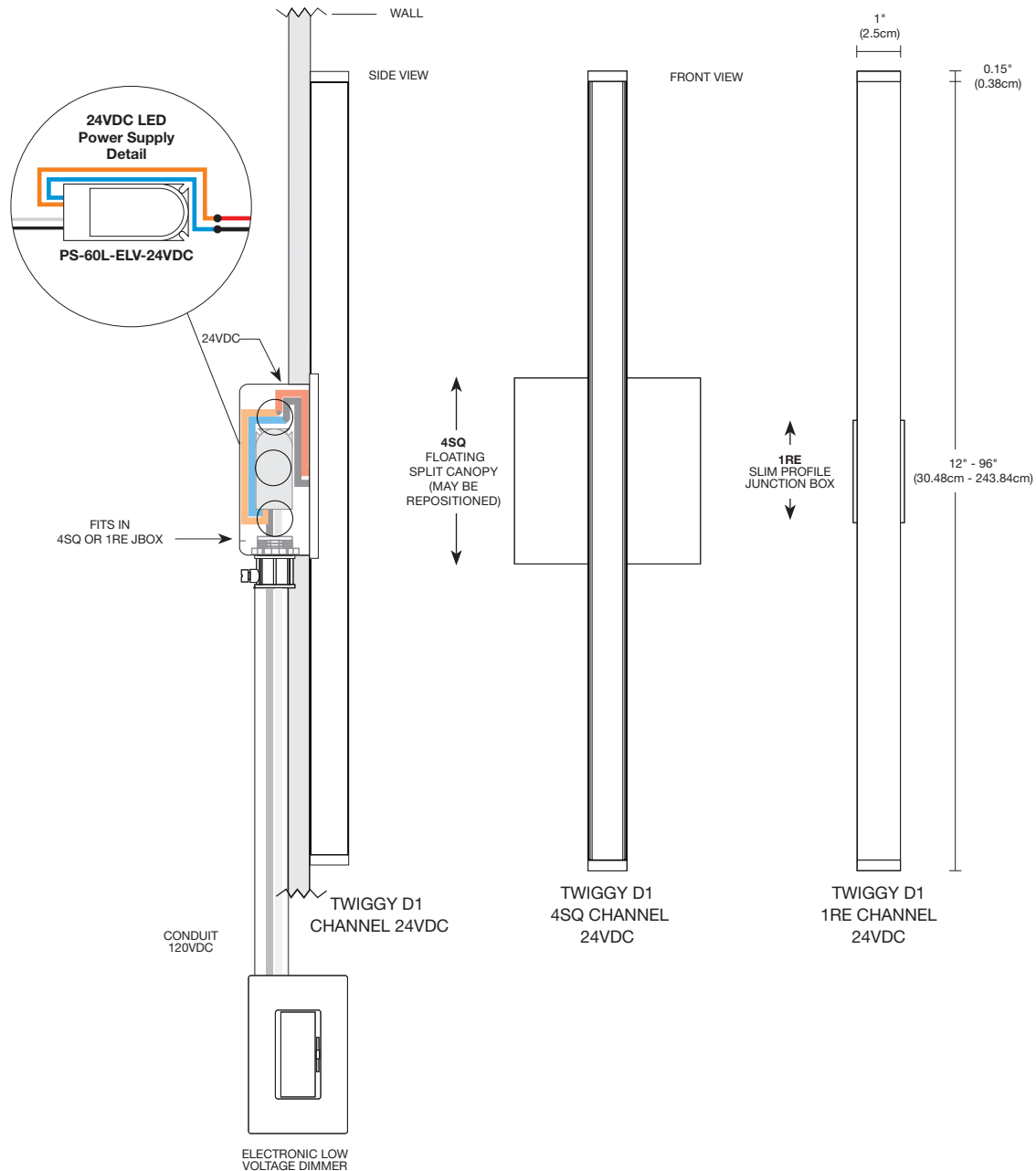
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## Wiring Diagram: Twiggy S1 Vanity with ELV dimming

**Application:** ELV Electronic low voltage dimming for Twiggy S1

**Power Supply:** 120V input, 24VDC class 2 output; electronic low voltage LED power supply (included) that fits inside standard junction box

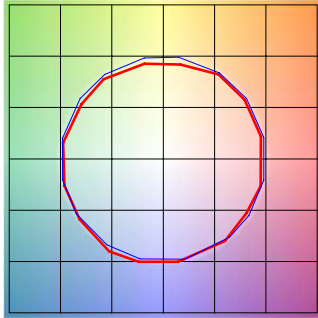
**Dimming:** Dimmable with ELV Dimmers using power supply: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2.



PROJECT		FIXTURE TYPE		DATE	
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**TM-30-15 DATA:** The data below is for SS5C 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.

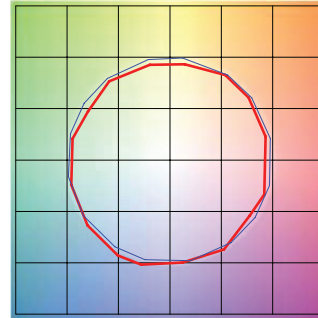
**2400K** | Rf: 84.5 | Rg: 94.4  
Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92	-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	-0.6%	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%

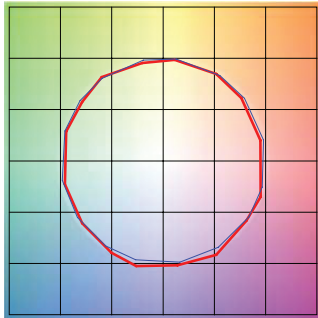
**2700K** | Rf: 87.7 | Rg: 96.1  
Color Vector Graphic



■ 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%

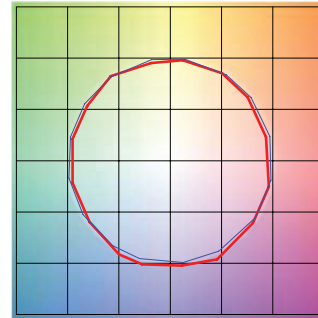
**3000K** | Rf: 88.1 | Rg: 99.7  
Color Vector Graphic



■ 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%

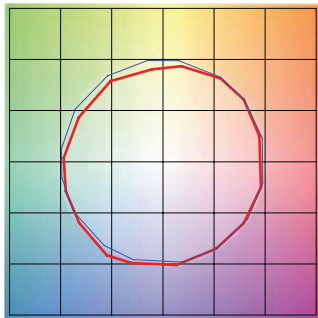
**3500K** | Rf: 86.1 | Rg: 95.5  
Color Vector Graphic



■ 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%

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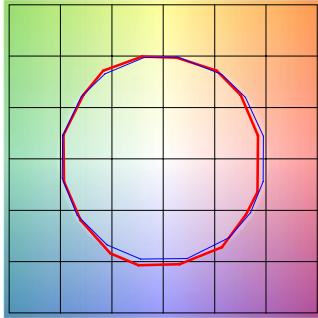
# TM30 DATA

24VDC, STATIC WHITE & WARM DIM

**TM-30-15 DATA:** The data below is for SS5C 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.

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

Color Vector Graphic

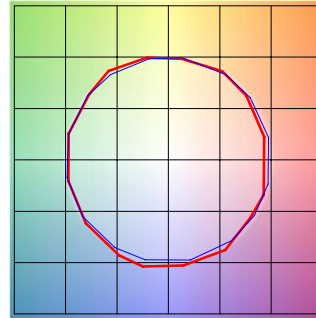


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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	
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