



ZIPP DOWNLIGHT CENTER FEED

24VDC, TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA



REV 01.12.22



DESCRIPTION

Zipp Suspension Downlight is a linear LED fixture that offers spot-free, direct light in a clean, contemporary style. Zipp is available in various increments from 36" to 120" (10'), with a 100° white diffused lens or 60° clear frosted lens, optional black or white louver. Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). **2K6K** is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, **27K6** promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Human-Centric lighting, or tunable white, promotes performance, mood, and overall well-being by fine-tuning the emotional effects that light has on the circadian cycle. Use with two dimmers or our proprietary Tunable White Controller for fast and accurate adjustment with three pre-set scenes. Optional Fast Jack 12V Port Canopy (**C1**) for mounting Fast Jack fixtures to easily accommodate a variety of moods and tasks. Order **ZSD_P** with power supplies included in the canopy or **ZSD_R** remote power supplies (sold separately). Fixture includes a 5 year pro-rated warranty. For custom lengths and quotes, email our Design Team design@PureEdgeLighting.com.

INSTALLATION

- Optional Fast Jack ELV 12VAC port (**C1**) for mounting Fast Jack 12V fixtures on the canopy
- Remote Power: includes a 12" Linear Canopy for lengths up to 72" and a 26" linear canopy for longer lengths
- Power: includes a 26" linear canopy
- Includes adjustable 12' coaxial cables (fixtures exceeding 72" come with additional aircraft cables)

FINISHES



Satin Black
BK



Chrome
CH



Satin Nickel
SN



White
WH

LAMP

- Tunable White: 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- 50,000 Hour Lamp Life

POWER & CANOPY SPECIFICATIONS

- Input Voltage: 120VAC - 277VAC
- 24VDC, Class 2 wiring
- Power Consumed: 5 or 10 watts per foot

ZSDP: POWER SUPPLY IN CANOPY (INCLUDED)

- **0-10V**: Requires two dimmers, one for intensity and one for color temperature

ZSDR: REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)*

24VDC, Class 2 wiring

- **0-10V**: Requires two dimmers, one for intensity and one for color temperature
- **DMX Dynamic Color Changing**: Must be used with PureEdge Controllers

*In-Wall Mounting and drop ceiling Kits available for select power supplies

OPTIONAL FAST JACK PORT

12VAC electronic low voltage LED power supply

APPLICATIONS

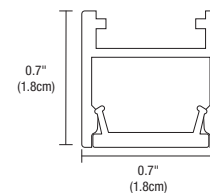
Designed for indoor use only. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

APPROVALS

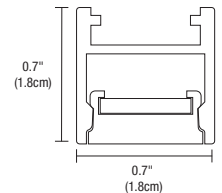
Damp Location, ETL Listed, Class 2 wiring, Made in America



C1 Canopy, shown with FJ Piston in Satin Nickel (FJ Piston sold separately)



Channel Without Louver (Actual Size)



Channel With Louver (Actual Size)

System	Wattage Per Foot	Power Canopy	Nominal Size	Color Temperature	Finish
ZSDP	2W	C	120	2K6K	SN
ZSDR Zip Suspension Diffused Lens, Remote Power	2W* 2.5 Watts (Max Length 120")	C Center Feed	36-120 Order in various increments from 36" to 120". Maximum length for Chrome is 84"	2K6K Tunable White 2000K-6500K	BK Satin Black
ZSDWR Zip Suspension Diffused Lens with White louver, Remote Power	5W 4.4 Watts (Max Length 120")	C1 Center Feed with Fast Jack Port		27K6 Tunable White 2700K-6500K	CH Chrome
ZSDBR Zip Suspension Diffused Lens with Black louver, Remote Power	7W 7.5 Watts (Max Length 120")		*See length chart for exact dimensions (pg. 6)		SN Satin Nickel
ZSCWR Zip Suspension Clear Frosted Lens with White louver, Remote Power					WH White
ZSCBR Zip Suspension Clear Frosted Lens with Black louver, Remote Power					

*Louver not available

PROJECT	FIXTURE TYPE	DATE
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Lamp Data: Lamp data for Downlight Channel

	ZSDR																															
DESCRIPTION	100° Diffused White Lens without Louver																															
WATTS PER FOOT	2K6K 2W (2.5 watts)								27K6 2W (2.5 watts)								2K6K 5W (4.4 watts)								27K6 5W (4.4 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	77	78	79	80	81	83	91	98	105	83	98	101	104	113	122	116	185	193	201	208	216	231	247	250	252	207	212	220	228	225	249	223
LUMENS PER WATT (lm/w)	41	39	39	40	40	42	45	49	58	41	39	40	42	45	49	58	40	40	42	43	45	48	52	52	55	52	46	48	49	49	49	56
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	92+	92+	92+	92+	92+	92+	92+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

WATTS PER FOOT	2K6K 7W (7.5 watts)									27K6K 7W (7.5 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	258	270	282	294	306	331	348	352	355	280	286	297	307	304	301	300
LUMENS PER WATT (lm/w)	40	38	39	41	43	46	48	49	56	44	40	41	43	42	42	47
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

	ZSDWR																															
DESCRIPTION	100" Diffused White Lens with White Louver																															
WATTS PER FOOT	2K6K 2W (2.5 watts)									27K6K 2W (2.5 watts)												27K6K 5W (4.4 watts)										
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	47	48	49	49	50	51	56	60	65	51	61	63	64	70	76	72	115	119	124	129	134	143	153	155	156	128	131	136	141	139	138	138
LUMENS PER WATT (lm/w)	26	24	24	25	25	26	28	30	36	26	24	25	26	28	30	36	25	25	26	27	28	30	32	32	34	32	29	30	31	30	30	34
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	92+	92+	92+	92+	92+	92+	92+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

WATTS PER FOOT	2K6K 7W (7.5 watts)									27K6 7W (7.5 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	160	167	175	182	190	205	216	218	220	173	177	184	190	188	187	186
LUMENS PER WATT (lm/w)	25	23	24	25	26	28	30	30	34	27	25	26	26	26	26	29
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

	ZSDBR																																
DESCRIPTION	100° Diffused White Lens with Black Louver																																
WATTS PER FOOT	2K6K 2W (2.5 watts)								27K6 2W (2.5 watts)												27K6 5W (4.4 watts)												
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	
LUMENS PER FOOT (lm/ft)	29	30	30	30	31	32	35	37	40	32	37	38	40	43	47	44	71	74	76	79	82	88	94	95	96	79	81	84	87	86	85	85	
LUMENS PER WATT (lm/w)	16	15	15	15	15	16	17	19	22	16	15	16	17	19	22	15	15	15	16	17	17	18	20	21	20	21	20	18	18	19	19	18	21
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	92+	92+	92+	92+	92+	92+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	92+	91+	

WATTS PER FOOT	2K6K 7W (7.5 watts)									27K6K 7W (7.5 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	98	103	108	112	117	126	133	134	135	106	109	113	117	116	115	114
LUMENS PER WATT (lm/w)	15	14	15	16	16	17	18	19	21	17	15	16	16	16	16	18
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

	ZSCWR																															
DESCRIPTION	60° Clear Frosted Lens with White Louver																															
WATTS PER FOOT	2K6K 2W (2.5 watts)								27K6 2W (2.5 watts)								2K6K 5W (4.4 watts)								27K6 5W (4.4 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	54	54	55	56	56	58	63	68	73	58	69	71	73	79	85	81	130	135	140	145	151	161	173	174	176	145	148	153	159	157	156	155
LUMENS PER WATT (lm/w)	29	27	27	28	28	29	32	34	41	29	27	28	29	32	34	41	28	28	29	30	31	34	36	36	38	36	32	33	35	34	34	39
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	92+	92+	92+	92+	92+	92+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

WATTS PER FOOT	2K6K 7W (7.5 watts)									27K6 7W (7.5 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	180	189	197	206	214	231	243	246	248	195	200	207	215	212	211	210
LUMENS PER WATT (lm/w)	28	26	27	29	30	32	34	34	39	31	28	29	30	29	29	33
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

	ZSCBR																															
DESCRIPTION	60° Clear Frosted Lens with Black Louver																															
WATTS PER FOOT	2K6K 2W (2.5 watts)								27K6 2W (2.5 watts)								2K6K 5W (4.4 watts)								27K6 5W (4.4 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	34	35	35	35	36	37	40	43	46	37	44	45	46	50	54	52	82	86	89	93	96	103	110	111	112	92	94	98	101	100	99	99
LUMENS PER WATT (lm/w)	18	17	17	18	18	18	20	22	26	18	17	18	18	20	22	26	18	18	19	19	20	21	23	23	24	23	24	21	22	22	22	25
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	92+	92+	92+	92+	92+	92+	92+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

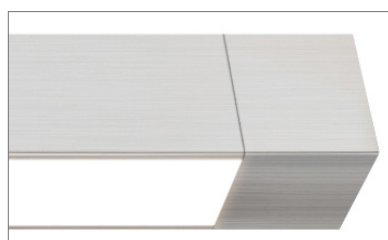
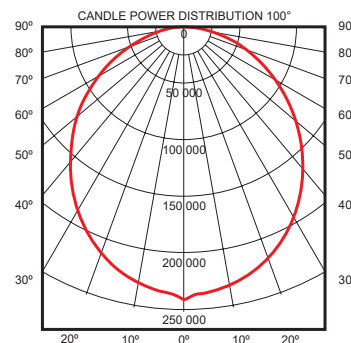
WATTS PER FOOT	2K6K 7W (7.5 watts)										27K6 7W (7.5 watts)					
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	115	120	125	131	136	147	155	156	158	124	127	132	137	135	134	134
LUMENS PER WATT (lm/w)	18	17	17	18	19	20	21	22	25	19	18	18	19	19	19	21
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

PROJECT	FIXTURE TYPE	DATE
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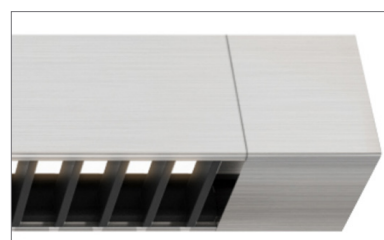
ZIPP DOWNLIGHT CENTER FEED

24VDC, TUNABLE WHITE

5W DIFFUSED WHITE			
Distance	Foot Candles 5W	Beam Width Vert. Spread 101.1°	Beam Width Horiz. Spread 97.4°
1.7ft	120fc	4.1ft	3.9ft
3.3ft	39fc	8.0ft	7.5ft
5.0ft	16fc	12.1ft	11.4ft
6.7ft	10fc	16.3ft	15.3ft
8.3ft	6fc	20.2ft	18.9ft
10.0ft	4fc	24.3ft	22.8ft



Shown without Louver



Shown with Black Louver

Length Chart: Actual lengths for Zipp Suspension Downlight with Power - Center Feed

22K, 24K, 27K, 30K, 35K, 40K, 57K & 2K6K

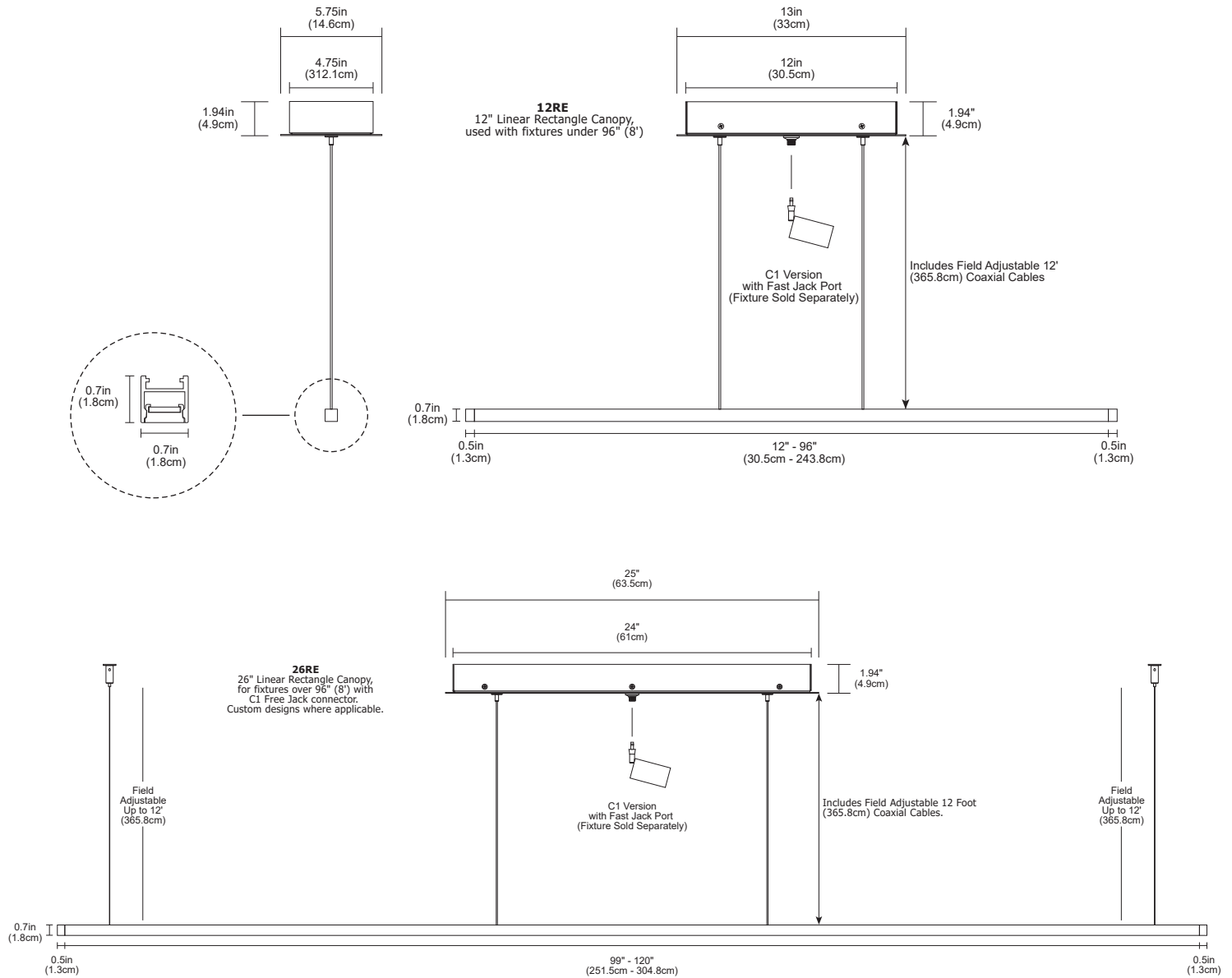
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
36	37.0	37.1	80	80.2	80.3
39	39.4	39.4	82	82.6	82.7
41	41.8	41.8	84	85.0	85.1
44	44.2	44.2	87	87.4	87.9
46	46.6	46.6	89	89.8	90.3
48	49.0	49.0	92	92.2	92.7
51	51.4	51.4	94	94.6	95.1
53	53.8	53.8	96	97.0	97.5
56	56.2	56.2	99	99.4	99.9
58	58.6	58.6	101	101.8	102.3
60	61.0	61.0	104	104.2	104.7
63	63.4	63.4	106	106.6	107.1
65	65.8	65.8	108	109.0	109.5
68	68.2	68.2	111	111.4	111.9
70	70.6	70.6	113	113.8	114.3
72	73.0	73.0	116	116.2	116.7
75	75.4	75.4	118	118.6	119.1
77	77.8	77.8	120	121.0	121.5

27D & 30D

ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
36	37	37.1	81	82	82.1
39	40	40.1	84	85	85.1
42	43	43.1	87	88	88.5
45	46	46.1	90	91	91.5
48	49	49.1	93	94	94.5
51	52	52.1	96	97	97.5
54	55	55.1	99	100	100.5
57	58	58.1	102	103	103.5
60	61	61.1	105	106	106.5
63	64	64.1	108	109	109.5
66	67	67.1	111	112	112.5
69	70	70.1	114	115	115.5
72	73	73.1	117	118	118.5
75	76	76.1	120	121	121.5
78	79	79.1			

PROJECT		FIXTURE TYPE		DATE	
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Drawings: Dimension drawings for the Zipp Downlight fixtures

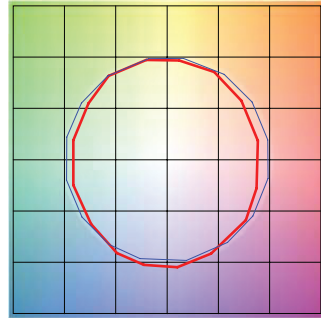


PROJECT	FIXTURE TYPE	DATE
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TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which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

2200K | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

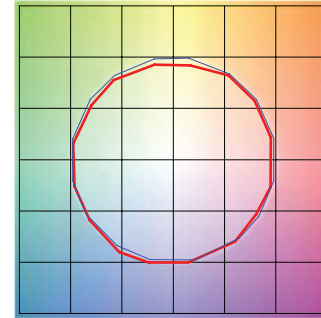


■ Test ■ Reference

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

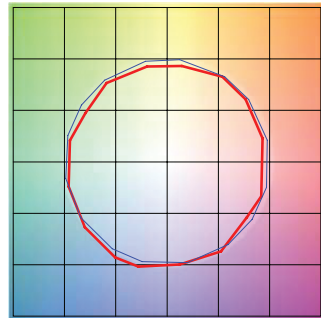


■ Test ■ Reference

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

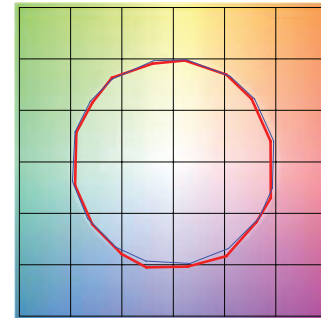


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	86.0	-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

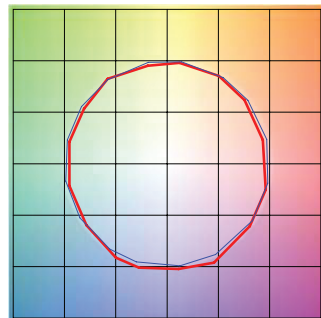


■ Test ■ Reference

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

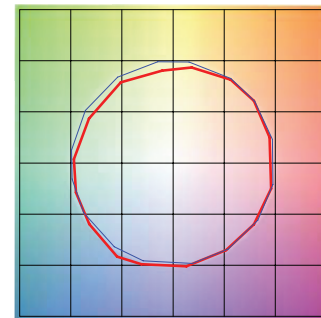


■ Test ■ Reference

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



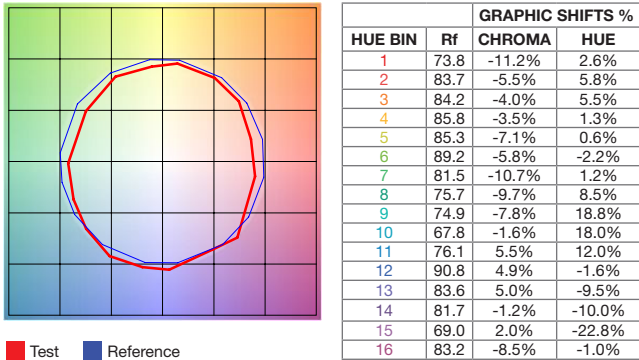
■ Test ■ Reference

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%

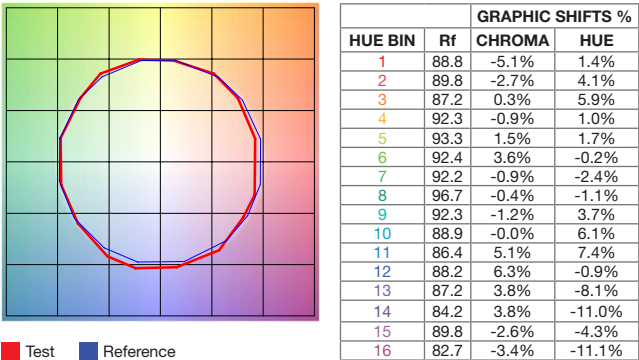
PROJECT		FIXTURE TYPE		DATE	
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TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which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

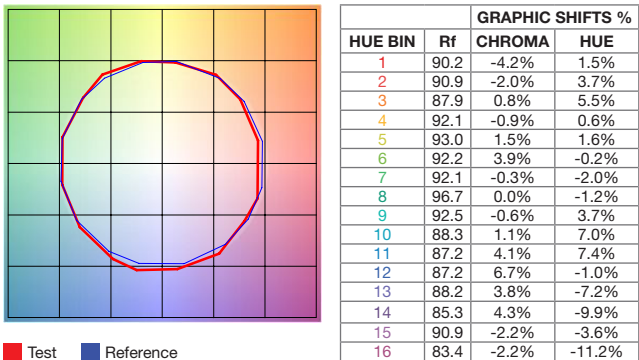
5700K | Rf: 80.3 | Rg: 91.5
Color Vector Graphic



2700D | Rf: 89.5 | Rg: 100.8
Color Vector Graphic



3000D | Rf: 89.8 | Rg: 101.4
Color Vector Graphic



ZIPP DOWNLIGHT CENTER FEED

24VDC, TUNABLE WHITE



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



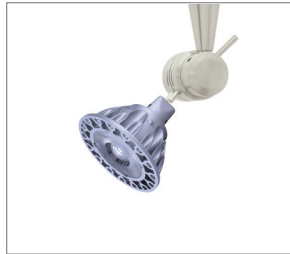
FJ-FOR-SQ-3-PN
FJ-FOR-RD-3-PN
Fast Jack Form Round or Square
Fixture Finishes: SN, PN



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

SN	Satin Nickel	PN	Polished Nickel	BZ	Antique Bronze	WH	White	BK	Black
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PROJECT		FIXTURE TYPE		DATE	
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12VAC LED MR16

REV 01.12.22

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	
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12VAC LED MR16

REV 01.12.22

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

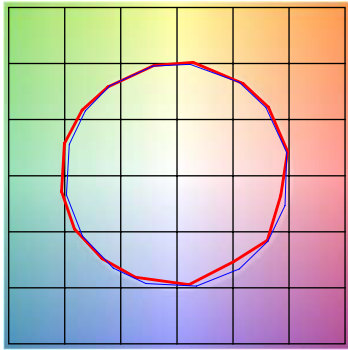
8MR16/LED/40°/35K/90CRI/12V 8 watt; LED MR16; 3500K; 40° beam spread; GU5.3 base; 12 volts. Features: Silver back MR16 reflector. Direct replacements for 75 watt Halogen lamps - uses only 8 watts. Dimmable. No UV or IR radiation. Approved for enclosed fixtures.

PROJECT		FIXTURE TYPE		DATE	
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SORAA VIVID MR16 36° FL

3000K | Rf: 90.4 | Rg: 99.5

Color Vector Graphic



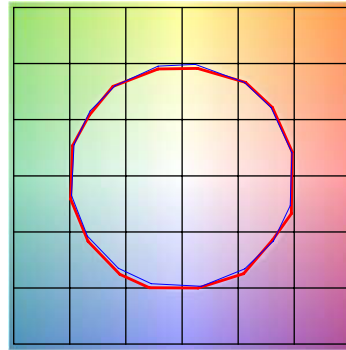
■ Test ■ Reference

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



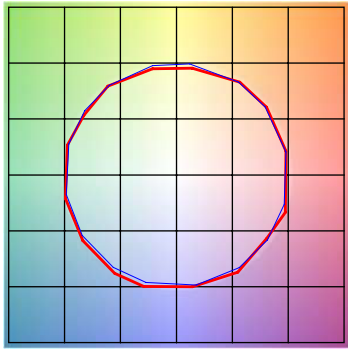
■ Test ■ Reference

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



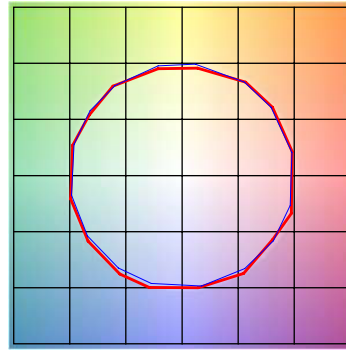
■ Test ■ Reference

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	
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