

VERGE CORNER TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 07.08.25



DESCRIPTION

Verge Corner Tunable White is another innovative design from PureEdge's family of 24VDC plaster-in systems, continuing to redefine the relationship between lighting and architecture. Verge Corner mounts directly to studs and joists without modification because it recesses within 5/8" or thicker drywall. The slim plaster-in aluminum channel has a 4" paintable backer plate creating visually interesting and dramatic illumination by highlighting the inside corners of two drywall surfaces such as ceiling, coves, and skylights. Field-cutttable, Verge Corner is ordered in 1' increments up to 40'. Our Designer-grade High CRI Tunable White technology in 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). Tunable white lighting visually, biologically and emotionally contributes to human interaction with the physical world. Human centric lighting (HCL) builds on this technology bringing the dynamics of natural daylight indoors, and delivering a positive effect on human health, wellbeing and performance. [Click here for all Other Color Temperatures](#). Verge brings together a Modern and Dynamic appearance to Residential and Commercial environments, offering unlimited creativity and empowering you to design One-of-a-kind spaces every time. Remote Power supplies are required and sold separately. Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send drawings to design@PureEdgeLighting.com. Designed by Gregory Kay.

MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 5 watts per foot - 40' (2 x 2.5WDC)
- 10 watts per foot - 20' (2 x 5WDC)
- 14 watts per foot - 12' (2 x 7.5WDC)

LAMP

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: 413lm/ft at 3000K 14 watts per foot
- Designer Grade High CRI 95+ LEDs
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

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

24VDC, Class 2 wiring

- Pure Smart™ WIZ Pro [Power Supplies](#) & [Smart Controls](#)
- [0-10V](#) Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)

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

ORDERING

Verge Corner is installed behind drywall with Adjustable Mounting Bars Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments (12") field-cutttable to any length.

INCLUDED COMPONENTS

(2) Junction Boxes, Adjustable Mounting Bars, (2) Backer Plates, (2) Verge Corner Channels, Drywall Screws, (2) LED Strips, and (2) Lenses

APPLICATIONS

Indoor damp or dry locations only. Ideal for inside corners of drywall surfaces such as Walls and Ceilings, Coves, Windows and Skylights in Residential, Commercial, Retail and Hospitality environments.

COMPLIANCE

ETL, Class 2, Damp Location, Made in USA.

For quick & easy reference, plus the most up-to-date pricing, use our Configurator. [Verge Corner](#)

PureEdge is the Original Designer of 5/8" Drywall Products, Backed by Over 30 Years of Precision Manufacturing and Design.

| System | Watts Per Foot | Length in Feet | Color Temperature |
|-------------------|--|----------------------------|--|
| VGCO | 5WDC | 1-20FT | ST2K6K |
| VGCO Verge Corner | 5WDC 2x2.5 Watts (40 ft Max) 10WDC 2x5 Watts (20 ft Max) 14WDC 2x7.5 Watts (12 ft Max) | 1-40FT 1-20FT 1-12FT | ST2K6K Tunable White 2000K-6500K ST27K6 Tunable White 2700K-6500K |

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| PROJECT | | FIXTURE TYPE | | DATE | |
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DELIVERED LUMENS

| | 2K6K | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| WATTS PER FOOT | 2K6K 2W (2.5 watts) | | | | | | | | | 2K6K 5W (4.4 watts) | | | | | | | | | 2K6K 7W (7.5 watts) | | | | | | | | | |
| COLOR TEMPERATURE | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | |
| LUMENS PER FOOT (lm/ft) | 103 | 105 | 106 | 108 | 109 | 112 | 122 | 132 | 141 | 250 | 260 | 270 | 280 | 291 | 311 | 333 | 337 | 340 | 348 | 364 | 380 | 397 | 413 | 446 | 469 | 474 | 479 | |
| LUMENS PER WATT (lm/w) | 30 | 52 | 53 | 54 | 54 | 56 | 90 | 66 | 78 | 54 | 54 | 56 | 58 | 61 | 65 | 69 | 70 | 74 | 54 | 51 | 53 | 55 | 57 | 62 | 65 | 66 | 75 | |
| CRI | 91+ | 91+ | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 91+ | 91+ | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 91+ | 91+ | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | |

| | 27K6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------------|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT | 27K6 2W (2.5 watts) | | | | | | | 27K6 5W (4.4 watts) | | | | | | | 27K6 7W (7.5 watts) | | | | | | | | | | | | | |
| COLOR TEMPERATURE | 27K | 30K | 35K | 40K | 45K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 118 | 141 | 144 | 148 | 162 | 174 | 166 | 296 | 303 | 314 | 325 | 322 | 319 | 318 | 399 | 408 | 424 | 439 | 434 | 431 | 429 | 399 | 408 | 424 | 439 | 434 | 431 | 429 |
| LUMENS PER WATT (lm/w) | 33 | 35 | 36 | 37 | 41 | 44 | 46 | 37 | 33 | 34 | 35 | 35 | 35 | 40 | 31 | 28 | 29 | 30 | 30 | 30 | 34 | 31 | 28 | 29 | 30 | 30 | 30 | 34 |
| CRI | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ |

LENGTH LOAD CHARTS: To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

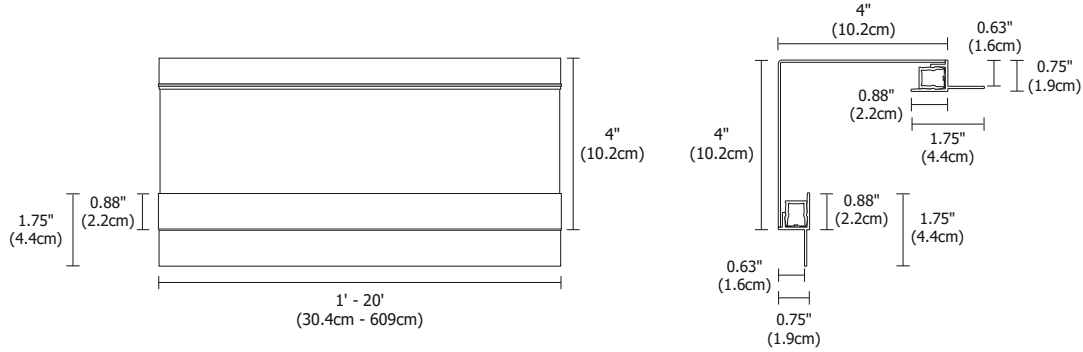
| 5 WATTS PER FOOT (2 X 2.5W) | | | |
|-----------------------------|-------|----------------|-------|
| LENGTH IN FEET | WATTS | LENGTH IN FEET | WATTS |
| 1 | 5 | 21 | 102 |
| 2 | 10 | 22 | 106 |
| 3 | 14 | 23 | 110 |
| 4 | 19 | 24 | 116 |
| 5 | 24 | 25 | 120 |
| 6 | 29 | 26 | 124 |
| 7 | 34 | 27 | 130 |
| 8 | 38 | 28 | 134 |
| 9 | 43 | 29 | 140 |
| 10 | 48 | 30 | 144 |
| 11 | 53 | 31 | 148 |
| 12 | 58 | 32 | 154 |
| 13 | 63 | 33 | 158 |
| 14 | 67 | 34 | 164 |
| 15 | 72 | 35 | 168 |
| 16 | 77 | 36 | 172 |
| 17 | 82 | 37 | 178 |
| 18 | 87 | 38 | 182 |
| 19 | 91 | 39 | 188 |
| 20 | 96 | 40 | 192 |

| 10 WATTS PER FOOT (2 X 4.4W) | |
|------------------------------|-------|
| LENGTH IN FEET | WATTS |
| 1 | 10 |
| 2 | 19 |
| 3 | 29 |
| 4 | 38 |
| 5 | 48 |
| 6 | 58 |
| 7 | 67 |
| 8 | 77 |
| 9 | 86 |
| 10 | 96 |
| 11 | 106 |
| 12 | 116 |
| 13 | 124 |
| 14 | 134 |
| 15 | 144 |
| 16 | 154 |
| 17 | 164 |
| 18 | 174 |
| 19 | 182 |
| 20 | 192 |

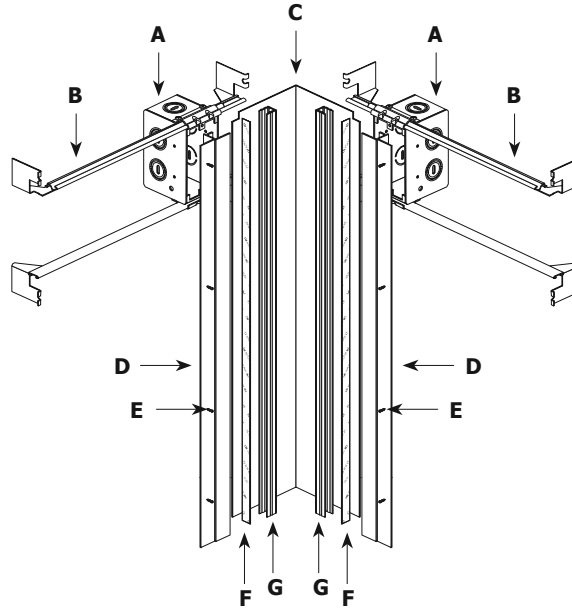
| 14 WATTS PER FOOT (2 X 7.3 OR 7.4W) | |
|-------------------------------------|-------|
| LENGTH IN FEET | WATTS |
| 1 | 15 |
| 2 | 30 |
| 3 | 45 |
| 4 | 60 |
| 5 | 75 |
| 6 | 90 |

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INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with adjustable mounting bars. Low Voltage 24VDC wires from Remote Power Supply connect to the wires inside box. Junction Box opening is covered by the Backer Plate, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces. Verge Corner includes two sets of mounting hardware.

C. BACKER PLATE

4" paintable aluminum plates conceal junction box and reflect light.

D. VERGE CHANNEL

Two 5/8" deep extrusions each house a single row of LED Strip.

E. DRYWALL SCREWS

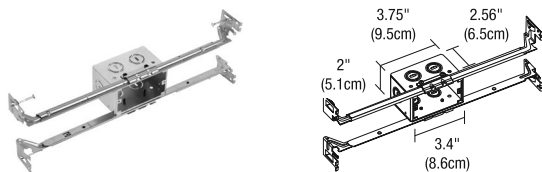
Secure channels to drywall and studs.

F. LED STRIP

Commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details.

G. LENS

0.6" wide Diffused White lens projects a clean line of light without pixelation. Verge Corner includes two lenses.



JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with Verge Wall and two Junction Boxes are included with Verge Corner. Order additional Junction Box(es) separately to rough-in electrical wiring before drywall installation. Quick shipment available.

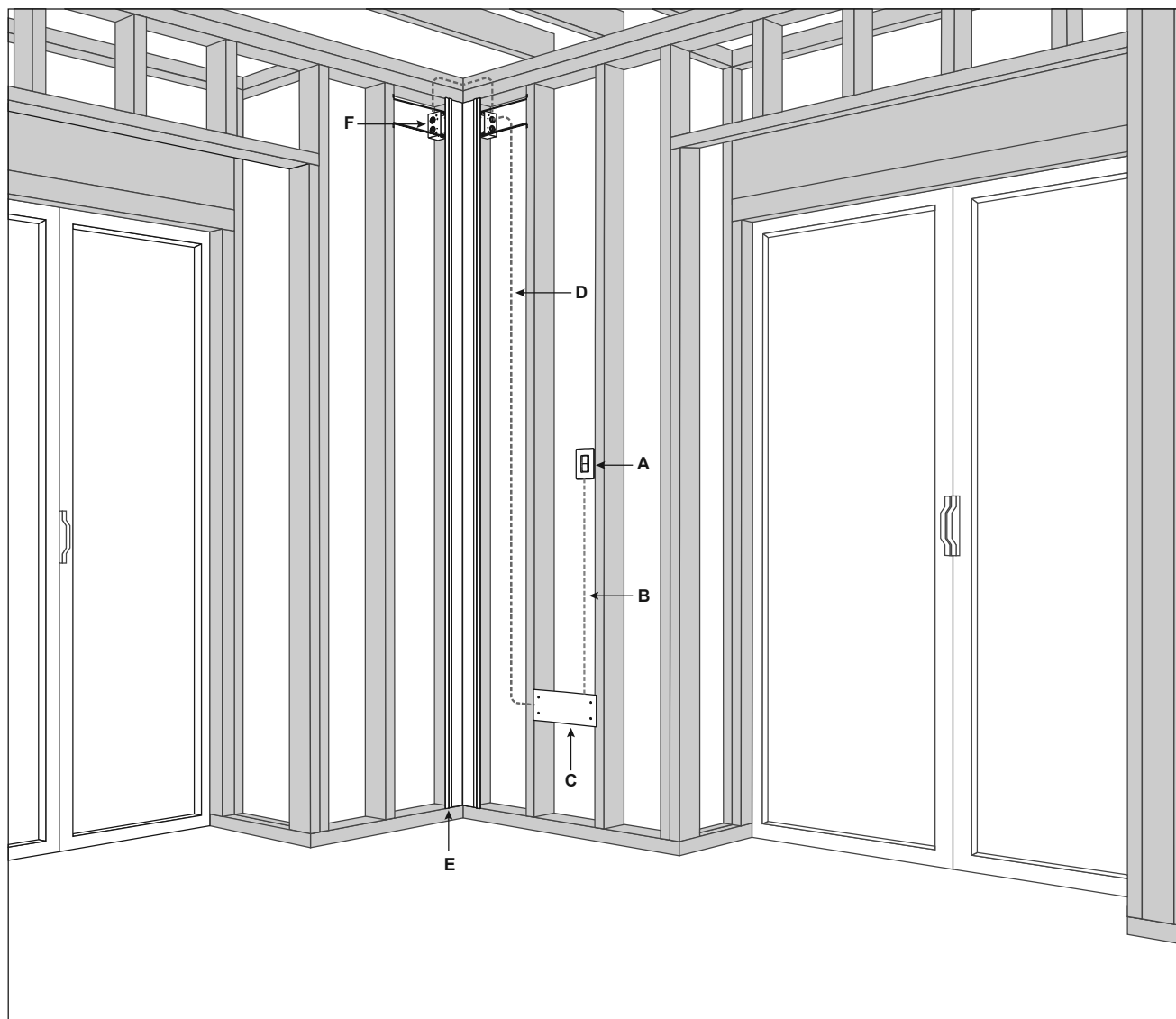
| System | Size | Component |
|-----------|------------------|-------------------|
| VG | 1RE | JBOX |
| VG Verge | 1RE 1" Rectangle | JBOX Junction Box |

| | | | | | |
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INSTALLATION



A. DIMMER OR SWITCH

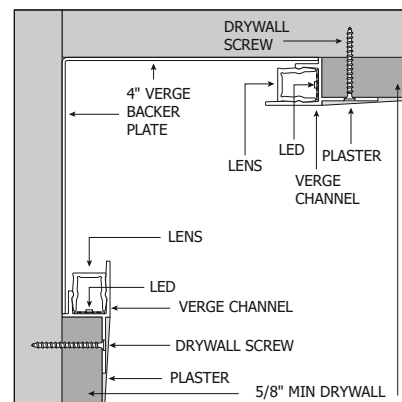
B. 120VAC WIRING

C. 120V/24VDC REMOTE POWER SUPPLY FOR IN-WALL MOUNTING KIT

D. 24VDC, CLASS 2 WIRING

E. VERGE CORNER CHANNEL

F. JUNCTION BOX



| | | | | | |
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CEILING TM30 DATA

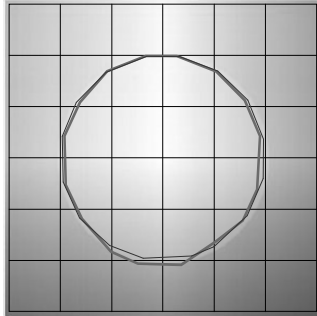
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TM-30-15 DATA: The data below is for Tunable White bare LED Strip. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to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

2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

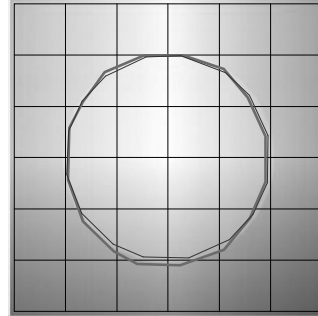


■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 87.7 | -5.5% | 1.2% |
| 2 | 88.7 | -3.9% | 4.2% |
| 3 | 90.5 | -1.5% | 4.3% |
| 4 | 95.0 | -1.7% | 0.8% |
| 5 | 95.2 | -0.2% | 2.1% |
| 6 | 94.2 | 1.6% | 1.9% |
| 7 | 95.9 | -0.8% | -2.2% |
| 8 | 95.5 | -1.7% | 1.3% |
| 9 | 93.8 | -1.4 | 2.6% |
| 10 | 91.9 | -0.7% | 4.2% |
| 11 | 91.3 | 3.6% | 3.7% |
| 12 | 91.2 | 4.2% | -1.0% |
| 13 | 86.6 | 3.8% | -12.7% |
| 14 | 67.2 | -3.0% | -16.3% |
| 15 | 84.9 | -3.3% | -9.4% |
| 16 | 84.2 | -5.7% | -7.5% |

3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

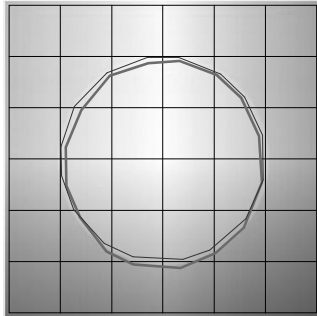


■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 91.5 | -3.5% | 1.2% |
| 2 | 92.4 | -1.8% | 2.7% |
| 3 | 89.8 | 0.3% | 4.5% |
| 4 | 92.4 | -1.7% | 0.4% |
| 5 | 93.3 | -0.1% | 1.4% |
| 6 | 94.5 | 2.1% | -0.6% |
| 7 | 91.0 | -2.5% | 0.3% |
| 8 | 96.9 | -0.8% | -0.2% |
| 9 | 91.6 | -0.9% | 4.6% |
| 10 | 86.7 | 0.7% | 7.8% |
| 11 | 86.3 | 3.8% | 8.5% |
| 12 | 88.3 | 6.1% | 0.6% |
| 13 | 90.9 | 3.1% | -5.2% |
| 14 | 87.3 | 4.7% | -7.9% |
| 15 | 92.1 | -1.9% | -2.5% |
| 16 | 84.5 | -0.9% | -10.9% |

4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 86.5 | -5.5% | 1.3% |
| 2 | 90.4 | -3.0% | 2.3% |
| 3 | 89.8 | -2.1% | 3.6% |
| 4 | 89.1 | -3.4% | 0.4% |
| 5 | 88.5 | -5.9% | 0.1% |
| 6 | 93.6 | -3.0% | -0.4% |
| 7 | 88.9 | -6.2% | 1.7% |
| 8 | 87.3 | -5.0% | 4.9% |
| 9 | 82.4 | -3.6% | 11.3% |
| 10 | 77.4 | -1.8% | 12.7% |
| 11 | 79.8 | 4.9% | 11.4% |
| 12 | 88.7 | 4.4% | 2.7% |
| 13 | 88.7 | 4.0% | -5.1% |
| 14 | 91.2 | 2.2% | -3.8% |
| 15 | 82.7 | -0.1% | -9.2% |
| 16 | 82.8 | -2.2% | -7.6% |

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