



Bionic™ | Recessed Linear & Wall Wash 4" Slot



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

DISCONTINUED

Click for BionicPro



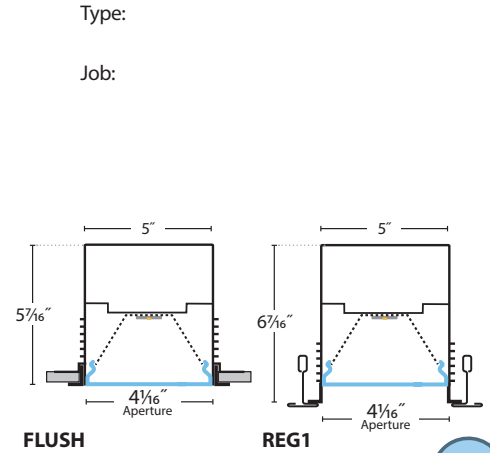
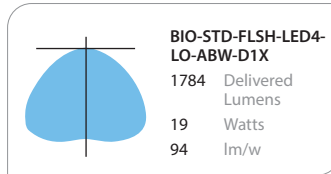
Open office illumination, wall washing or grazing.

Housing: Extruded aluminum accommodates a wide range of ceiling systems and complex installations. Armstrong™ TechZone compatible.

4 Optics: Batwing (D1X), Soft Glow (D1), Wall Wash (D1W) or precise Wall Graze (D1G).

Series: See also our Bionic Perimeter for visual continuity.

Our P43 System is nearly identical with the same great optics and a budget-friendly steel housing.



| DIRECT: | LO | MO | SO | HO |
|------------------------|-----|-----|-----|-----|
| ABW-D1X Lm/Ft | 400 | 600 | 800 | 900 |
| SAL-D1 Lm/Ft | 400 | 600 | 800 | 900 |
| AWL-D1W/R Lm/Ft | 400 | 600 | 800 | 900 |
| AWW / D1G Lm/Ft | 400 | 600 | 800 | 900 |
| W/Ft | 4.6 | 6.5 | 9.5 | 11 |



CLICK HERE

Declare.



Made in the USA

Lumen output may vary +/- 5%
4000K used for lm/ft estimates above
3500K -2% llf, 3000K -4%, 2700K -6%
-10% llf for 90 CRI (4K, 3500K and 3K)
See LED Details PDF for more info

| SE-RIES | LENS-POSITION | LED COLOR | OUT-PUT | NOM. LGTH | TRIM COLOR | SHIELDING | DISTRIBU-TION | CIRCUIT-ING | VOLT-AGE | CEILING SYSTEMS | DRIVERS | OPTIONS, SENSORS, CORNERS & LAMPS |
|----------|--|--|--|---|--|--|--|-------------------|---|--|---|--|
| BIO-STD | | | | | | | | SC | | | | |
| Standard | FLSH Flush Lens REG1 1" Re-gressed Lens | LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI | LO Low MO Me-dium SO Stan-dard HO High PROG Pro-gram-mable Light Out-put (Specify desired lm/ft or w/ft) | 2' 3' 4' 6' 8' R (Row length) Specify any row length to the 1/8" | TMW Text-ured Matte White (Stan-dard) YGW Gloss White Y Pre-mium Color CC Cust-om Color | ABW Acrylic Batwing (D1X only) SAL Satin Acrylic (D1 only) AWL Acrylic Wall Wash Lens (D1W & D1R) AWW Acrylic Wall Grazer Lens (D1G only) | D1X Symmetric Batwing with 1.4 sc (ABW only) D1 Direct (SAL only) D1W Wall Wash (AWL only) D1R Asym-metric to Room (AWL only) D1G Wall Grazer (AWW only) | SC Single Circuit | UNV (120-277) 347 (Emergency battery re-quires a Step Down trans-former) | X1 T-Bar 1 1/16" X1M T-Bar 3/16" X2 Dimensional T-Bar Armstrong Inter-lude® X6 Slot Grid X3 Hard Ceiling (Flange Trim) X7BF Hard Ceiling (Trimless Mud-over Backer Flange) M Mixed Ceiling (Consult factory) | ND Non-Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, NA - HO) ECO 1% 0-10v, EldoLED (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std) | EMHE Emergency Battery (D1, D1W-1000, D1G-750 delivered lumens, CA Title 20 compliant; 4' or longer [remote for < 4']) CP Chicago Plenum PRUBIN Meticu lous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse SENSORS: 205-ON/OFF WattStopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 1% LUX Phillips DLH ENL Enlighted 2-Wire DLH & Environmental CORNERS: C2I Lit 90° 2-Way — Inside C2O Lit 90° 2-Way — Outside C2X Special Angled Connector (Consult factory) C3 T-Shape 3-Way Connector C4 90° 4-Way Mitered Connector C8I Wall to Ceiling Inside C8O Wall to Ceiling Outside DOWNLIGHT MODULE: M1 12" Downlight Module (adj.) 1/50w (max) Lamp M2 12" Downlight Module (adj.) 2/50w (max) Lamp M4 Cross Downlight Module (adj.) 1/50w (max) Lamp NOTE: Lamps by others |



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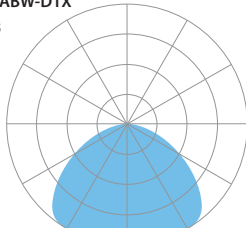
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BATWING

LOW OUTPUT:

BIO-STD-FLSH-LED4-LO-ABW-D1X

1642 Delivered Lumens
16 Watts
103 lm/w
4000 CCT



Zonal Lumen Summary:
0-90 = 100%

639

| Vertical Angle | 0° | 25° | 45° | 65° | 90° |
|----------------|-----|-----|-----|-----|-----|
| 0° | 572 | 572 | 572 | 572 | 572 |
| 5° | 566 | 570 | 594 | 587 | 591 |
| 15° | 538 | 566 | 604 | 629 | 639 |
| 25° | 485 | 539 | 592 | 611 | 616 |
| 35° | 411 | 443 | 488 | 544 | 544 |
| 45° | 326 | 397 | 438 | 427 | 405 |
| 55° | 238 | 293 | 317 | 275 | 244 |
| 65° | 155 | 193 | 196 | 156 | 137 |
| 75° | 79 | 91 | 88 | 69 | 61 |
| 85° | 21 | 19 | 18 | 16 | 15 |
| 90° | 0 | 0 | 0 | 0 | 0 |

Luminance Chart:

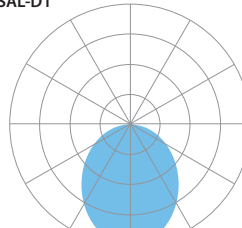
| Angle | 0° | 45° | 90° |
|-------|------|------|------|
| 45° | 3921 | 5268 | 4869 |
| 55° | 3526 | 4698 | 3626 |
| 65° | 3123 | 3952 | 2765 |
| 75° | 2612 | 2889 | 2014 |
| 85° | 2036 | 1750 | 1416 |

SATIN ACRYLIC

LOW OUTPUT:

BIO-STD-FLSH-LED4-LO-SAL-D1

1934 Delivered Lumens
19 Watts
101 lm/w
4000 CCT



Zonal Lumen Summary:
0-90 = 100%

885

| Vertical Angle | 0° | 25° | 45° | 65° | 90° |
|----------------|-----|-----|-----|-----|-----|
| 0° | 885 | 885 | 885 | 885 | 885 |
| 5° | 876 | 877 | 878 | 875 | 874 |
| 15° | 828 | 825 | 815 | 803 | 797 |
| 25° | 739 | 727 | 704 | 681 | 670 |
| 35° | 619 | 601 | 569 | 540 | 525 |
| 45° | 484 | 463 | 429 | 402 | 388 |
| 55° | 349 | 330 | 302 | 402 | 388 |
| 65° | 229 | 216 | 196 | 181 | 174 |
| 75° | 115 | 109 | 97 | 90 | 86 |
| 85° | 28 | 26 | 24 | 23 | 23 |
| 90° | 0 | 0 | 0 | 0 | 0 |

Luminance Chart:

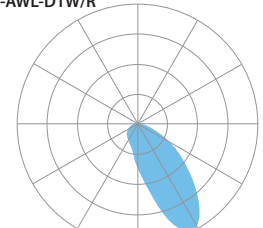
| Angle | 0° | 45° | 90° |
|-------|------|------|------|
| 45° | 5823 | 5168 | 4667 |
| 55° | 5173 | 4484 | 3997 |
| 65° | 4618 | 3950 | 3500 |
| 75° | 3768 | 3189 | 2841 |
| 85° | 2711 | 2362 | 2243 |

WALL WASH & PERIMETER

STANDARD OUTPUT:

BIO-STD-FLSH-LED35-SO-AWL-D1W/R

3220 Delivered Lumens
33 Watts
96 lm/w
3500 CCT



Zonal Lumen Summary:
0-90 = 100%

2681

| Vertical Angle | 0° | 22.5° | 45° | 67.5° | 90° |
|----------------|------|-------|------|-------|-----|
| 0° | 824 | 824 | 824 | 824 | 824 |
| 5° | 1028 | 1018 | 966 | 892 | 825 |
| 15° | 1720 | 1626 | 1372 | 1050 | 801 |
| 25° | 2242 | 2168 | 1829 | 1204 | 751 |
| 35° | 1668 | 1722 | 2006 | 2423 | 755 |
| 45° | 2004 | 2043 | 1988 | 1315 | 676 |
| 55° | 906 | 935 | 1040 | 1050 | 446 |
| 65° | 486 | 515 | 580 | 627 | 290 |
| 75° | 196 | 209 | 245 | 271 | 140 |
| 85° | 41 | 41 | 47 | 52 | 27 |
| 90° | 0 | 0 | 0 | 0 | 0 |

Luminance Chart:

| Angle | 0° | 45° | 90° |
|-------|-------|-------|------|
| 45° | 18071 | 20508 | 7287 |
| 55° | 14161 | 16249 | 6966 |
| 65° | 10306 | 12293 | 6154 |
| 75° | 6759 | 8584 | 4857 |
| 85° | 4200 | 4815 | 2818 |

NOTE: D1R - Use D1W IES Files and flip in room application software.

LUMEN MAINTENANCE

Designed to last with cool running mid-power LEDs projected to maintain 90% (L90) of their initial output for 100,000 hours (at HO), and L70 exceeding 150,000 hours.

LED SYSTEM LED modules and drivers are field replaceable.

PROG (OPTIONAL) Programmable light output. Specify desired lumens or watts per linear foot. Min: 2½ w/ft, consult factory for requests above 12 w/ft.

BINNING Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse, with +/- 5% lumen output range and +/- .004 Duv.

PRUBIN™ (OPTIONAL) Prudential Ltg's exclusive 'job binning' method that ensures color temperature consistency across all luminaires on a project. Meticulously testing and labeling **EVERY LED board** to +/- 25 lumens, +/- 50k CCT and +/- .004 Duv — while also separating positive from negative — allows us to match color, hue and intensity throughout a project and provides a consistent color temperature within a 2-step MacAdams ellipse.

LABELS

CSA and ETL damp labeled and I.B.E.W. manufactured.

ELECTRICAL Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM01 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1.65" w x 1.25" h.

CONSTRUCTION

Housing Extruded aluminum >25% PC recycled, 100% recyclable
Lens Acrylic, 100% recyclable
Weight 6 lbs/ft.

MOUNTING Recessed into drywall or T-bar ceilings.

WARRANTY Single-source, 5 year limited warranty covers standard components and construction.

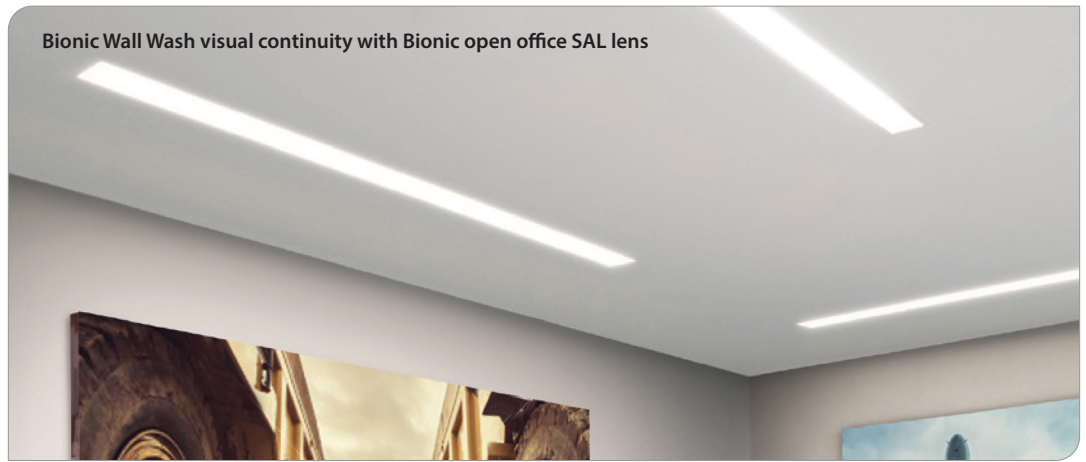


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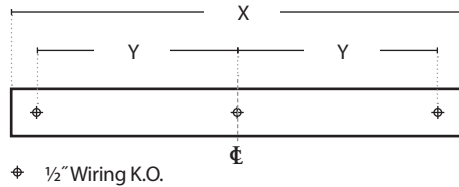
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MOUNTING LOCATIONS

Mounting Detail (1) Housing Detail for 1/4"-20



Mounting Conversion Chart

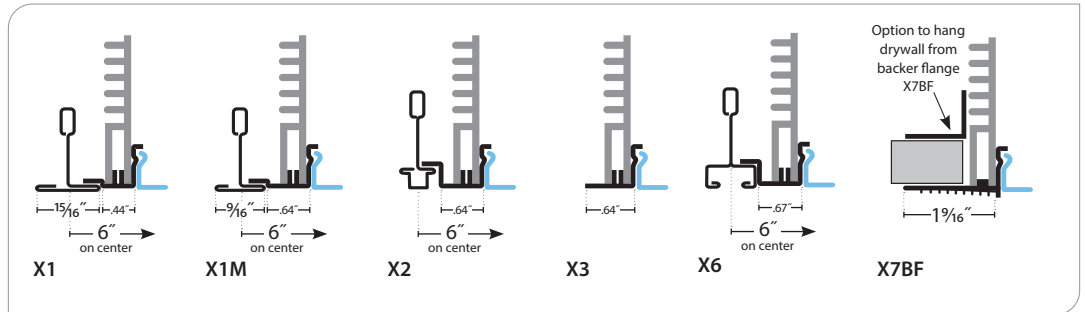
| | | | | | | | |
|-------------|----|-----|-----|-----|-----|-----|-----|
| X = | 2' | 3' | 4' | 5' | 6' | 7' | 8' |
| Y =* | 9" | 15" | 21" | 27" | 33" | 39" | 45" |

* From Centerline C

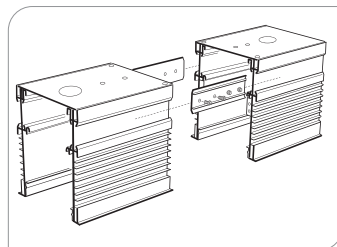
Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email: info@prulite.com

CEILING SYSTEMS



ADJOINING DETAIL





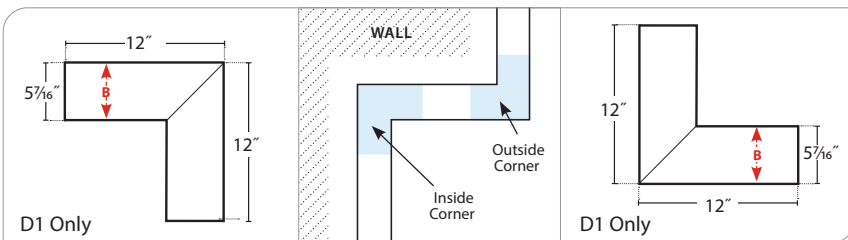
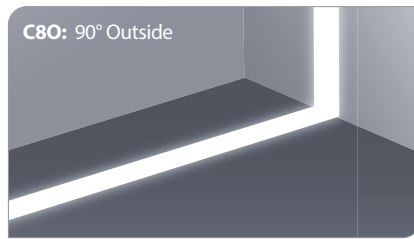
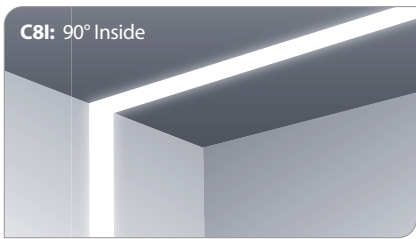
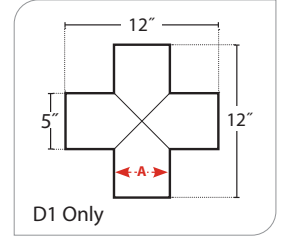
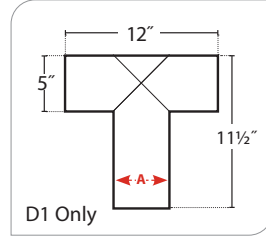
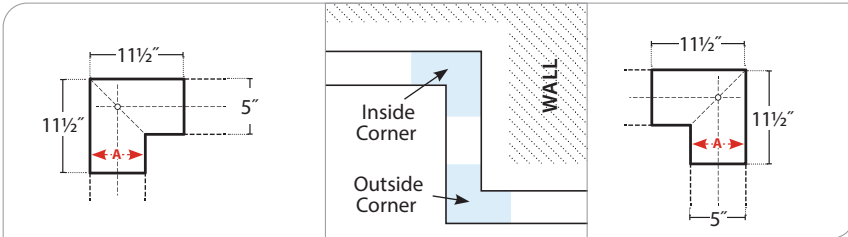
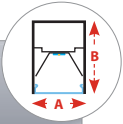
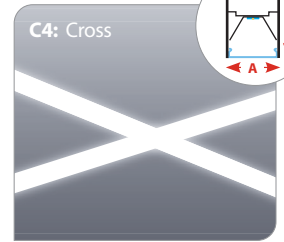
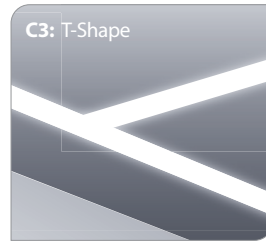
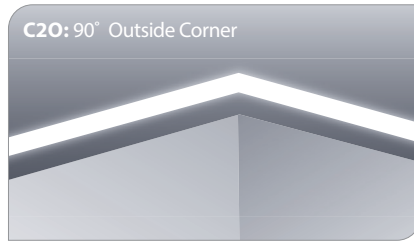
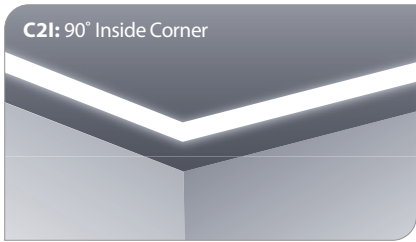
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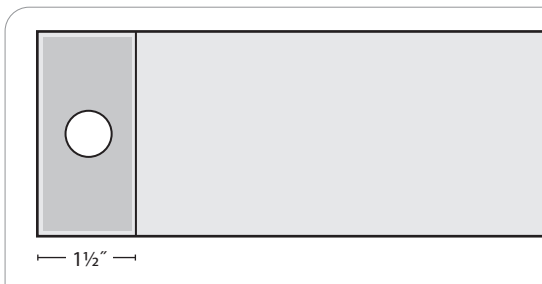
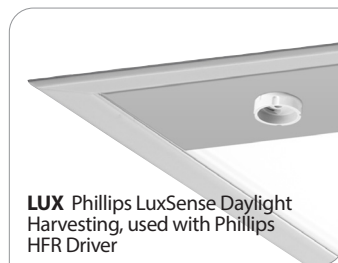
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PATTERNS / CORNERS

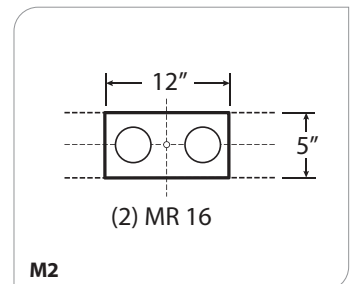
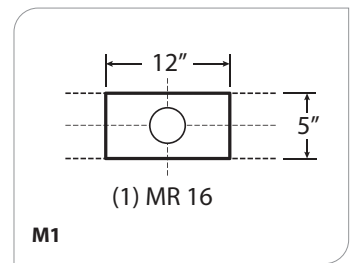


CONTROL SENSORS



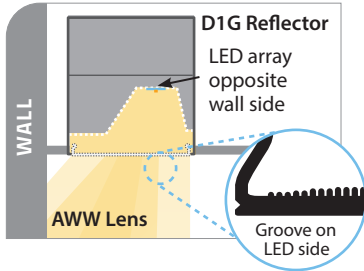
NOTE: Sensor plate will match fixture color finish
Consult factory for other sensors, please email:
info@prulite.com

LAMPS



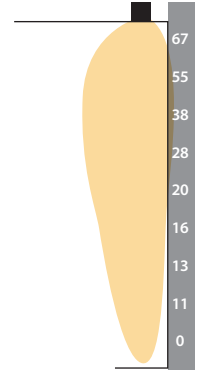


WALL GRAZER ORIENTATION



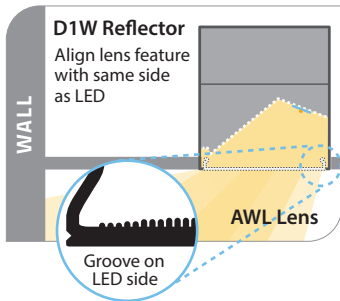
Smooth Wall Grazing.

A tight, focused beam grazes wall textures evenly, accenting and highlighting details to elevate the visual drama.



| | Watts/Ft | Ceiling Height | Average Illuminance | Max | Min | Max/Min Ratio |
|------------------------------------|----------|----------------|---------------------|------|------|---------------|
| Standard Output - 750 lm/ft | 10 | 9' | 40fc | 76fc | 16fc | 4.75 |

WALL WASH ORIENTATION



Wall Washing.

Our PruOptics™ reflector/refractor design delivers a high performance wall wash. No mechanical kickers needed.



| | Watts/Ft | Ceiling Height | Average Illuminance | Max/Min | Max/Min Ratio |
|------------------------------------|----------|----------------|---------------------|---------|---------------|
| Standard Output - 750 lm/ft | 10 | 9' | 40fc | 76/16 | 4.75 |

Footcandles on Wall

| | | | | | |
|----|----|----|----|----|----|
| 9' | 26 | 28 | 29 | 28 | 26 |
| 8' | 55 | 60 | 62 | 60 | 55 |
| 7' | 67 | 73 | 76 | 73 | 67 |
| 6' | 62 | 68 | 72 | 68 | 62 |
| 5' | 51 | 56 | 59 | 56 | 51 |
| 4' | 39 | 43 | 44 | 43 | 39 |
| 3' | 29 | 31 | 32 | 32 | 29 |
| 2' | 22 | 23 | 24 | 23 | 22 |
| 1' | 16 | 17 | 17 | 17 | 16 |