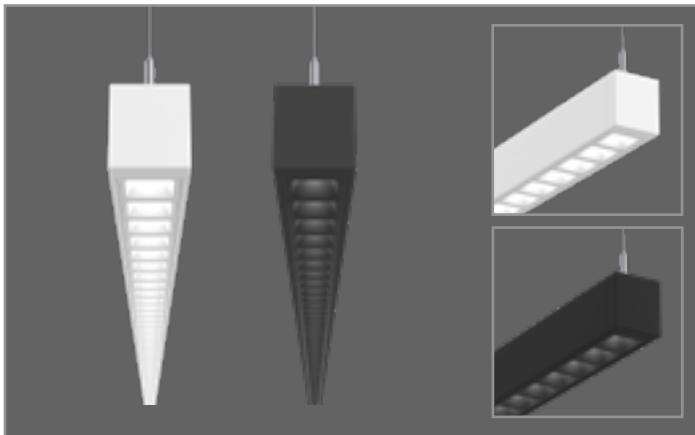


|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



## Corelite

### Discreet™

LED  
Suspended  
Direct, Direct/Indirect

#### Typical Applications

- Office • Education • Healthcare • Hospitality • Retail

### Interactive Menu

- Order Information page 2
- Photometric Data page 5
- Energy and Performance Data page 6
- Connected Systems page 8
- Product Warranty

### Product Certification



IALD LIRC

### Product Features

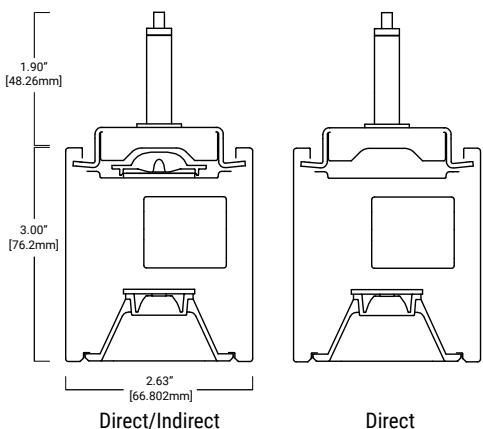


### Top Product Features

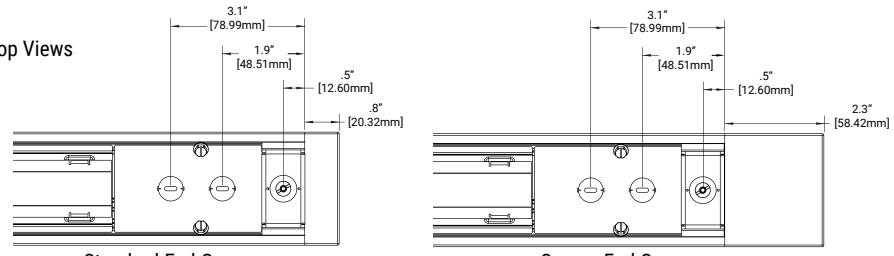
- Sleek design with integral electrical components and circuiting options
- Low glare illumination with precision-engineered optical system
- Black (UGR<6) and White (UGR<13) baffle options
- Wide range of direct/indirect distributions plus independent up/down circuiting
- Precision indirect batwing optic for maximizing ceiling uniformity and on-center spacing
- Up to 127 lumens per watt Direct-Indirect, 121 lumens per watt Direct

### Dimensions

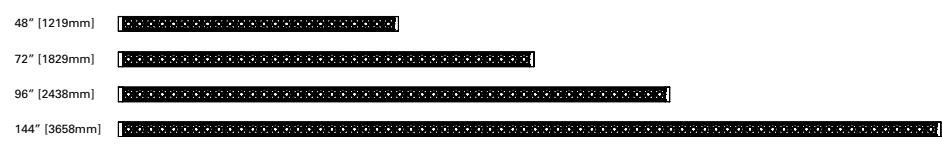
#### Side Views



#### Top Views



#### Bottom Views



Note: End caps add .8" at each end. Sensor end caps add 2.3".

## Order Information

SAMPLE ORDER NUMBER: DL2-BB-025U/075D-935-1D-UNV-STD-WAA-BSL6-W-AC48-T1-32

| Series                                    | Shielding  | Distribution          | Lumen Package Up (Lms/ft)   | Lumen Package Down (Lms/ft)   | CRI/CCT  | Circuiting (In Cross Section)   | Specialty Wiring  | Voltage   |
|---|--|-----------------------|---|---|--|---|---|---|
| Series                                    | Shielding  | Distribution          | Lumen package Up (Lms/ft)   | Lumen Package Down (Lms/ft)   | CRI/CCT  | Circuiting (In Cross Section)   | Specialty Wiring  | Voltage   |
| <b>DL2</b> = Discreet Linear 2" Suspended | <b>BB</b> =Black Baffle, TIR Optic<br><b>WB</b> =White Baffle, TIR Optic | <b>M</b> =Medium, 80° | <b>0U</b> =No Uplight<br><b>025U</b> =250 Lumens/ft Up<br><b>050U</b> =500 Lumens/ft Up<br><b>075U</b> =750 Lumens/ft Up<br><b>100U</b> =1000 Lumens/ft Up<br><b>125U</b> =1250 Lumens/ft Up<br><b>150U</b> =1500 Lumens/ft Up<br>____U=Specify | <b>050D</b> =500 Lumens/ft Down<br><b>075D</b> =750 Lumens/ft Down<br><b>100D</b> =1000 Lumens/ft Down<br><b>125D</b> =1250 Lumens/ft Down<br>____D=Specify   | <b>930</b> =3000K, 90+ CRI<br><b>935</b> =3500K, 90+ CRI<br><b>940</b> =4000K, 90+ CRI | <b>1</b> =Single Circuit<br><b>2</b> =Dual Circuit (Ind. Up/Down Circuits)  | <b>D</b> =None (Default Dimming)<br><b>E</b> =Emergency Circuit<br><b>S</b> =Secondary Circuit<br><b>N</b> =Secondary + Emergency Circuit | <b>UNV</b> =Universal (120V-277V)<br><b>347</b> =347V |
| <b>Notes</b>                              | <b>Notes</b>   | <b>Notes</b>          | Custom lumen output available. Up (Indirect):<br>Min = 150 Lms/ft<br>Max = 1480 Lms/ft<br><br>Consult factory to specify custom lumen package<br><br>See Driver Availability tables for more details.   | Custom lumen output available. Down (Direct):<br>Min = 150 Lms/ft<br>Max = 1500 Lms/ft<br><br>Consult factory to specify custom lumen package<br><br>Not all lumen packages are available for every configuration. See Driver Availability tables for more details. | <b>Notes</b>   | Refers to wiring in cross section.<br><br>Dual circuit not available with secondary circuit or integrated sensor. | Emergency and Secondary circuit section wiring are configured per unit (4ft, 6ft, 8ft, or 12ft).  | Integrated 347V driver with STD 0-10V option only.    |

| Driver/Dimming   | Integrated Sensor Options  | Integrated Emergency Device Options   | Finish  | Suspension Type   | Ceiling Type  | Run Length  |
|--|--|---|---|---|---|---|
| Driver/Dimming   | Integrated Sensor Options  | Integrated Emergency Device Options   | Finish  | Suspension Type   | Ceiling Type  | Run Length  |
| <b>STD</b> =Standard 0-10V (1%-100%)<br><b>SR</b> =Sensor Ready (1%-100%)<br><b>SLT</b> =Fifth Light DALI (1%-100%)<br><b>LH</b> =Lutron HiLume 1% EcoSystems (LDE1) | <b>WAA</b> =WaveLinx Wireless Integrated Sensor<br><b>WAB</b> =WaveLinx Lite Wireless Integrated Sensor<br><b>LWIPD1</b> =Enlighted Wireless Integrated Sensor   | <b>BSL6</b> =Bodine 6-watt, 120V-277V Emergency Battery Pack, Self-Diagnostic, BSL6LST<br><b>EPC</b> =LVS Controls EPC UL924 Bypass Relay   | <b>W</b> =White<br><b>S</b> =Silver<br><b>B</b> =Black<br><b>CC</b> =Custom Color | <b>AC48</b> =48" Aircraft cable<br><b>AC120</b> =120" Aircraft cable<br><b>AC240</b> =240" Aircraft cable<br><b>AC360</b> = 360" Aircraft cable | <b>T1</b> =15/16" T-Bar<br><b>T9</b> =9/16" T-Bar<br><b>TS</b> =Slotted T-Bar<br><b>JB</b> =Junction Box / Structure<br><b>UM</b> =Universal Ceiling Kit (T1, T9, JB)<br><b>S</b> =Swivel at Canopy (____ = T1, T9, TS or JB) | <b>4</b> =4 ft<br><b>6</b> =6 ft<br><b>8</b> =8 ft<br><b>12</b> =12 ft<br><b>XX</b> =Specify Run Length |
| <b>Notes</b><br>See Driver Availability tables for more details.<br>4ft fixture with uplight not available with integrated battery and either SR or SLT drivers.     | <b>Notes</b><br>WAA and WAB sensor must be used with "STD" driver.<br>LWI sensor must be used with "SR" driver.<br>Integrated Sensors combined with Emergency Circuit require one UL924 Bypass Relay per emergency fixture.<br>4ft Fixture with uplight not available with integrated battery and sensor in same fixture | <b>Notes</b><br>Battery operates entire downlight portion of 4ft, 6ft fixtures, 4ft sections of 8ft, 6ft sections of 12ft.<br>Battery available in fixtures up to a combined 2000 lms/ft.<br>EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).<br>4ft Fixture with uplight not available with integrated battery and sensor in same fixture<br>4ft Fixture with uplight not available with integrated battery and SR and SLT drivers in same fixture | <b>Notes</b><br><b>CC</b> =must denote RAL color number                           | Please refer to ceiling interface diagrams for additional detail and dimensions.  | <b>Notes</b><br>UM mounting accommodates 15/16" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure - Adder applies.<br>White mounting hardware standard.<br>Add "B" after ceiling type for black mounting hardware.          | <b>Notes</b><br>See 'Standard Row Configurations' table on Page 4 for continuous row length breakdowns. |

## Product Specifications

### Construction

- Single-piece extruded aluminum housing
- 2.63" x 3" profile
- Die-formed 20 gauge cold rolled steel LED tray
- Driver accessible from above while fixture is suspended

### End Caps

- Die cast aluminum end caps with machined outer surfaces for precision alignment to housing
- Attach mechanically to the end of the fixture without exposed fasteners
- Standard end cap adds 0.8" at each end. Integrated sensor end cap adds 2.3" at each end

### Lengths

- Available in 4-ft, 6-ft, 8-ft, and 12-ft sections
- Modular design eliminates the need for starter, intermediate, and end of run sections
- See table on page 4 for standard continuous row length breakdowns

### Finish

- Electrostatically applied polyester powder coat paint
- White, silver, and black finishes are standard.
- RAL custom colors are available

### Mounting

- Aircraft cable mounts on 4'-0", 6'-0", 8'-0", or 12'-0" centers, equal to the respective unit length
- Aircraft cable mount centers are 1/2" from ends of fixture run.
- Can be adjusted along the length of the fixture to match existing mounting points. See Installation Instructions for more details
- Can be adjusted along the width for balancing.
- Minimum suspension height from ceiling to top of fixture is 4"
- Fixture can be leveled at mounting bracket
- All sections are continuously wired with push-in connectors for fast installation
- Fixtures can be joined for straight continuous runs using supplied alignment brackets/pins and internal cast joiners
- Refer to installation instructions for various ceiling interface details

### Shielding

- **BB**(Black) and **WB**(White): Injection molded, contoured, segmented baffles with for low UGR values and improved visual comfort.

### Optics

- Precision engineered TIR optics on upper and lower LED light engines for optimal light distribution and low glare
- 110° peak candela angle in indirect distribution
- 80° beam angle direct distribution with 45° cutoff

### LED and Light Engine

- LEDs are available in 3000K, 3500K, 4000K
- CRI standard ≥90CRI
- Lumen output will be affected - please refer to the lumen adjustment factor tables
- TM21 life at 60,000 hours up to L85 and calculated theoretical L70 exceeds 135,000 hrs.
- Drivers available in 120-277V and 347V

### Integrated Controls

- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- Enlighted sensor compatible for IoT capability
- DALI 2.0 and Lutron dimming available

### Emergency Options

- Emergency circuit option operates entire downlight portion of a specified unit (4 ft, 6 ft, 8 ft, or 12 ft)
- Optional 6-watt 120-277V integral emergency battery illuminates entire down-light portion of 4ft and 6ft fixtures, 4 ft. sections of 8ft fixtures and 6 ft. sections of 12ft fixtures.
- 90-minute backup period for code compliance
- Test switch/indicator button located on the top side of the luminaire
- For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 6 = 600 lumens)
- Battery is self-testing
- UL 924 emergency/generator transfer options available

### Weight

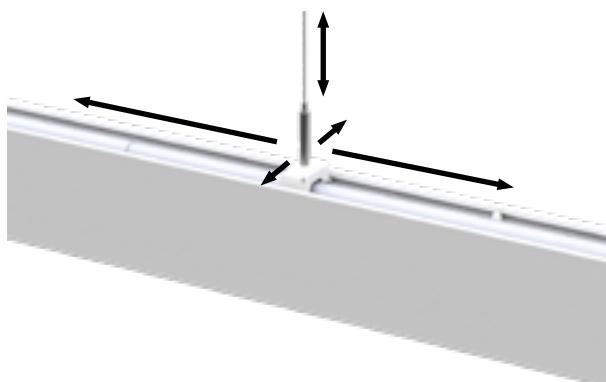
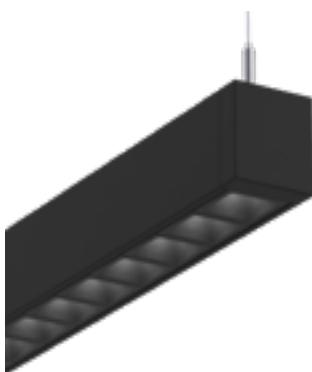
- 2.6 lbs. per foot

### Compliance

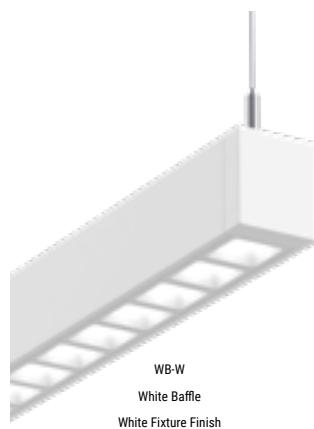
- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- RoHS compliant
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

### Warranty

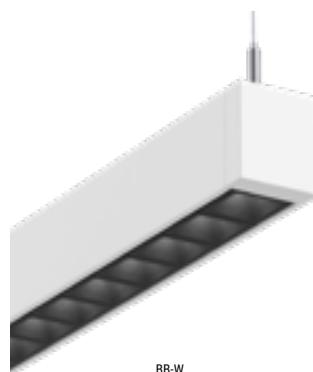
- Five year warranty standard  
[www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

**Discrete Optical System****Adjustable Mounting****Baffle & Finish Options**

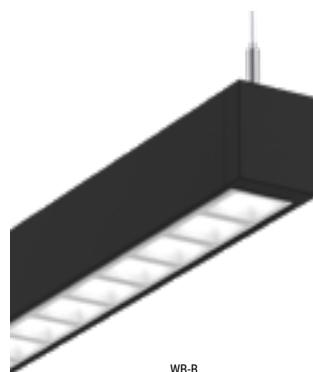
BB-B  
Black Baffle  
Black Fixture Finish



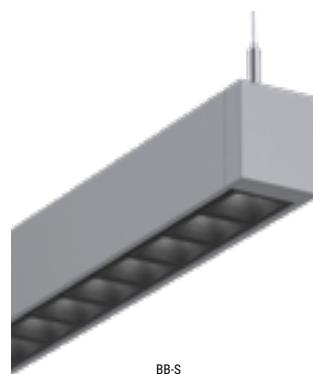
WB-W  
White Baffle  
White Fixture Finish



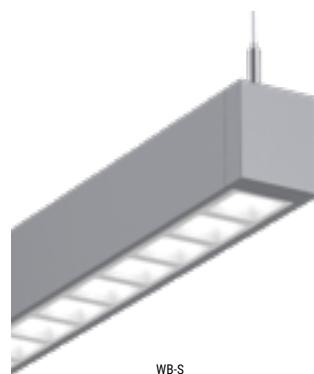
BB-W  
Black Baffle  
White Fixture Finish



WB-B  
White Baffle  
Black Fixture Finish



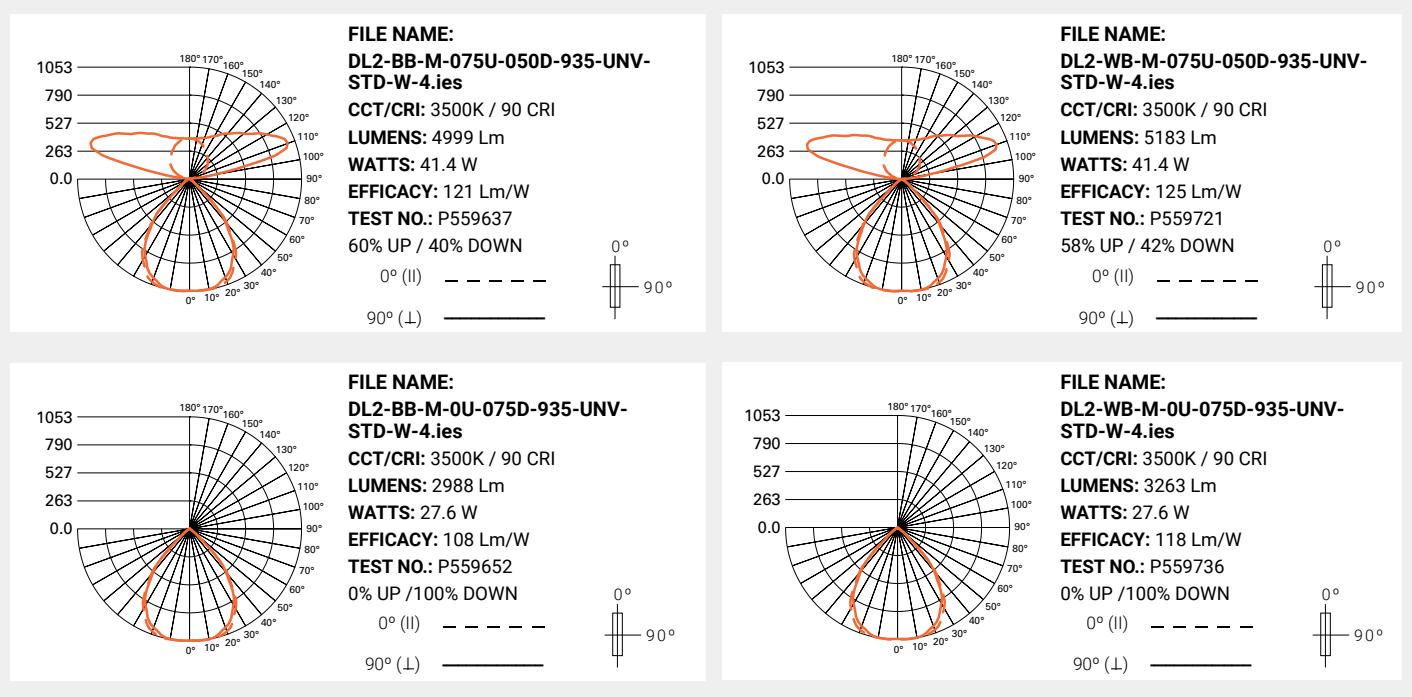
BB-S  
Black Baffle  
Silver Fixture Finish



WB-S  
White Baffle  
Silver Fixture Finish

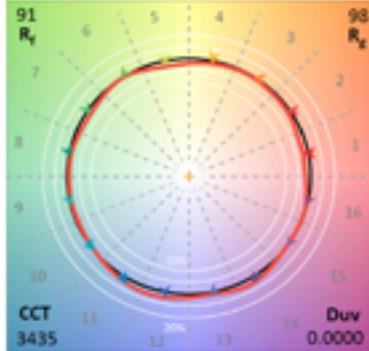
Note: All Finish and Baffle combinations are available. Not all are shown. Custom color housing finishes are also available.

## Photometric Data

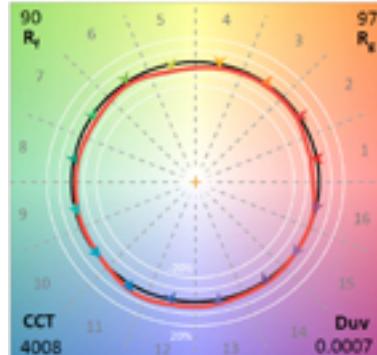
[View IES files](#)

Note: Refer to IES files for more product data.

| Color Data (3500K) |                | 90CRI |
|--------------------|----------------|-------|
| TM-30-15           | R <sub>f</sub> | 91.3  |
|                    | R <sub>g</sub> | 98.4  |
| CRI/CIE            | R <sub>a</sub> | 94.6  |
|                    | R <sub>9</sub> | 70.2  |



| Color Data (4000K) |                | 90CRI |
|--------------------|----------------|-------|
| TM-30-15           | R <sub>f</sub> | 89.7  |
|                    | R <sub>g</sub> | 97.2  |
| CRI/CIE            | R <sub>a</sub> | 93.7  |
|                    | R <sub>9</sub> | 68.1  |



## Luminance Data

| Luminance (cd/sq.m) - Average 0-Deg. (3500K) - Black Baffle |                      |       |       |       |
|---|----------------------|-------|-------|-------|
| Average Candela Degrees                                     | Direct Lumen Package |       |       |       |
|   | 050D                 | 075D  | 100D  | 125D  |
| 45  | 8851                 | 13345 | 18250 | 22995 |
| 55  | 1012                 | 1575  | 2025  | 2559  |
| 65  | 0                    | 0     | 0     | 38    |
| 75  | 0                    | 0     | 0     | 0     |
| 85  | 0                    | 0     | 0     | 0     |

| Luminance (cd/sq.m) - Average 0-Deg. (3500K) - White Baffle |                      |       |       |       |
|---|----------------------|-------|-------|-------|
| Average Candela Degrees                                     | Direct Lumen Package |       |       |       |
|   | 050D                 | 075D  | 100D  | 125D  |
| 45  | 10220                | 15010 | 20554 | 25071 |
| 55  | 1912                 | 2897  | 3797  | 4809  |
| 65  | 802                  | 1221  | 1641  | 2023  |
| 75  | 748                  | 1184  | 1558  | 1932  |
| 85  | 740                  | 1110  | 1296  | 1666  |

Note: Refer to IES files for more product data.

## Nominal Lumen Maintenance

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) <sup>(1)</sup> | Theoretical L70 (Hours) <sup>(2)</sup> |
|---------------------|---|--|
| 25°C                | >85%  | >135,000                               |

Notes: (1) Supported by IES TM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

## Energy and Performance Data - Black Baffle

| Discreet Suspended Performance (3500K) |              |                |                 |            |      |                          | Glare          |
|--|--------------|----------------|-----------------|------------|------|--------------------------|----------------|
| Lumen Package                          | Lumens/ft Up | Lumens/ft Down | Lumens/ft Total | W/ft Total | Lm/W | Distribution (up%/down%) | UGR (1-2)(4-6) |
| 0U-050D                                | 0            | 502            | 502             | 4.5        | 111  | 0%/100%                  | 2              |
| 0U-075D                                | 0            | 748            | 748             | 6.9        | 108  | 0%/100%                  | 3.4            |
| 0U-100D                                | 0            | 999            | 999             | 9.5        | 105  | 0%/100%                  | 4.4            |
| 0U-125D                                | 0            | 1250           | 1250            | 12.5       | 100  | 0%/100%                  | 5.1            |
| 025U-050D                              | 253          | 502            | 755             | 6.4        | 118  | 33%/67%                  | 0              |
| 025U-075D                              | 253          | 748            | 1001            | 8.8        | 114  | 25%/75%                  | 1.3            |
| 025U-100D                              | 253          | 999            | 1252            | 11.4       | 110  | 20%/80%                  | 2.8            |
| 025U-125D                              | 253          | 1250           | 1503            | 14.3       | 105  | 17%/83%                  | 3.6            |
| 050U-050D                              | 494          | 502            | 997             | 8.2        | 121  | 50%/50%                  | 0              |
| 050U-075D                              | 494          | 748            | 1242            | 10.6       | 117  | 40%/60%                  | 0              |
| 050U-100D                              | 494          | 999            | 1493            | 13.2       | 113  | 33%/67%                  | 1.7            |
| 050U-125D                              | 494          | 1250           | 1745            | 16.2       | 108  | 28%/72%                  | 2.7            |
| 075U-050D                              | 748          | 502            | 1251            | 10.4       | 121  | 60%/40%                  | 0              |
| 075U-075D                              | 748          | 748            | 1496            | 12.7       | 118  | 50%/50%                  | 0              |
| 075U-100D                              | 748          | 999            | 1747            | 15.4       | 114  | 43%/57%                  | 0.8            |
| 075U-125D                              | 748          | 1250           | 1999            | 18.3       | 109  | 37%/63%                  | 1.9            |
| 100U-050D                              | 992          | 502            | 1494            | 12.7       | 118  | 66%/34%                  | 0              |
| 100U-075D                              | 992          | 748            | 1739            | 15.1       | 116  | 57%/43%                  | 0              |
| 100U-100D                              | 992          | 999            | 1991            | 17.7       | 113  | 50%/50%                  | 0.2            |
| 100U-125D                              | 992          | 1250           | 2242            | 20.6       | 109  | 44%/56%                  | 1.3            |
| 125U-050D                              | 1255         | 502            | 1757            | 15.5       | 113  | 71%/29%                  | 0              |
| 125U-075D                              | 1255         | 748            | 2003            | 17.9       | 112  | 63%/37%                  | 0              |
| 125U-100D                              | 1255         | 999            | 2254            | 20.5       | 110  | 56%/44%                  | 0              |
| 125U-125D                              | 1255         | 1250           | 2505            | 23.4       | 107  | 50%/50%                  | 0.8            |
| 150U-050D                              | 1503         | 502            | 2005            | 18.7       | 107  | 75%/25%                  | 0              |
| 150U-075D                              | 1503         | 748            | 2250            | 21.1       | 107  | 67%/33%                  | 0              |
| 150U-100D                              | 1503         | 999            | 2502            | 23.7       | 106  | 60%/40%                  | 0              |
| 150U-125D                              | 1503         | 1250           | 2753            | 26.6       | 103  | 55%/45%                  | 0.3            |



## KEY:

|      |                 |
|------|-----------------|
|      | Meets WELL v2   |
| TEXT | Meets LEED v4.1 |

## Notes:

- (1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
- (2) For other UGR data for room or reflective ceiling plans please see technical data on website.
- (3) Luminance measured at 45-90 degrees from nadir.
- (4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
- (5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
- (6) For technical data of other configurations and most accurate data please see the IES files in the photometric section on website or click link at top-right

## Lumen Adjustment &amp; Melanopic Ratios

|                  | 3000K | 3500K | 4000K |
|------------------|-------|-------|-------|
| CRI              | 90+   | 90+   | 90+   |
| Lumen Multiplier | 0.962 | 1.000 | 1.058 |
| Melanopic Ratio  |       | 0.645 | 0.75  |

## Lumen Adjustment Example Calculation:

025U-075D / 3500K / 90 CRI

Lumen Output selected = 1001 lms/ft

4000K / 90 CRI Desired

Lumen Adjustment Factor = 1.058

Adjusted Lumen Output = 1001 lms/ft x 1.058 = 1059 lms/ft

## Energy and Performance Data - White Baffle

| Discreet Suspended Performance (3500K) |              |                |                 |            |      |                          | Glare          |
|--|--------------|----------------|-----------------|------------|------|--------------------------|----------------|
| Lumen Package                          | Lumens/ft Up | Lumens/ft Down | Lumens/ft Total | W/ft Total | Lm/W | Distribution (up%/down%) | UGR (1-2)(4-6) |
| 0U-050D                                | 0            | 549            | 549             | 4.5        | 121  | 0%/100%                  | 9.6            |
| 0U-075D                                | 0            | 816            | 816             | 6.9        | 118  | 0%/100%                  | 11.1           |
| 0U-100D                                | 0            | 1091           | 1091            | 9.5        | 115  | 0%/100%                  | 12             |
| 0U-125D                                | 0            | 1363           | 1363            | 12.5       | 109  | 0%/100%                  | 12.8           |
| 025U-050D                              | 253          | 549            | 802             | 6.4        | 126  | 32%/68%                  | 7              |
| 025U-075D                              | 253          | 816            | 1069            | 8.8        | 122  | 24%/76%                  | 9.1            |
| 025U-100D                              | 253          | 1091           | 1344            | 11.4       | 118  | 19%/81%                  | 10.5           |
| 025U-125D                              | 253          | 1363           | 1616            | 14.3       | 113  | 16%/84%                  | 11.5           |
| 050U-050D                              | 494          | 549            | 1043            | 8.2        | 127  | 47%/53%                  | 5.6            |
| 050U-075D                              | 494          | 816            | 1311            | 10.6       | 124  | 38%/62%                  | 7.9            |
| 050U-100D                              | 494          | 1091           | 1585            | 13.2       | 120  | 31%/69%                  | 9.4            |
| 050U-125D                              | 494          | 1363           | 1857            | 16.2       | 115  | 27%/73%                  | 10.6           |
| 075U-050D                              | 748          | 549            | 1297            | 10.4       | 125  | 58%/42%                  | 4.5            |
| 075U-075D                              | 748          | 816            | 1565            | 12.7       | 123  | 48%/52%                  | 7              |
| 075U-100D                              | 748          | 1091           | 1839            | 15.4       | 120  | 41%/59%                  | 8.6            |
| 075U-125D                              | 748          | 1363           | 2111            | 18.3       | 115  | 35%/65%                  | 9.9            |
| 100U-050D                              | 992          | 549            | 1540            | 12.7       | 122  | 64%/36%                  | 3.8            |
| 100U-075D                              | 992          | 816            | 1808            | 15.1       | 120  | 55%/45%                  | 6.3            |
| 100U-100D                              | 992          | 1091           | 2083            | 17.7       | 118  | 48%/52%                  | 8              |
| 100U-125D                              | 992          | 1363           | 2354            | 20.6       | 114  | 42%/58%                  | 9.3            |
| 125U-050D                              | 1255         | 549            | 1804            | 15.5       | 116  | 70%/30%                  | 3.1            |
| 125U-075D                              | 1255         | 816            | 2071            | 17.9       | 116  | 61%/39%                  | 5.7            |
| 125U-100D                              | 1255         | 1091           | 2346            | 20.5       | 114  | 54%/46%                  | 7.4            |
| 125U-125D                              | 1255         | 1363           | 2618            | 23.4       | 112  | 48%/52%                  | 8.8            |
| 150U-050D                              | 1503         | 549            | 2051            | 18.7       | 110  | 73%/27%                  | 2.5            |
| 150U-075D                              | 1503         | 816            | 2319            | 21.1       | 110  | 65%/35%                  | 5.1            |
| 150U-100D                              | 1503         | 1091           | 2593            | 23.7       | 110  | 58%/42%                  | 6.9            |
| 150U-125D                              | 1503         | 1363           | 2865            | 26.6       | 108  | 52%/48%                  | 8.3            |



## KEY:

|      |                 |
|------|-----------------|
|      | Meets WELL v2   |
| TEXT | Meets LEED v4.1 |

## Notes:

- (1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
- (2) For other UGR data for room or reflective ceiling plans please see technical data on website.
- (3) Luminance measured at 45-90 degrees from nadir.
- (4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
- (5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
- (6) For technical data of other configurations please see photometric section on website or click link at top-right

## Lumen Adjustment &amp; Melanopic Ratios

|                  | 3000K | 3500K | 4000K |
|------------------|-------|-------|-------|
| CRI              | 90+   | 90+   | 90+   |
| Lumen Multiplier | 0.962 | 1.000 | 1.058 |
| Melanopic Ratio  | 0.645 | 0.75  |       |

## Lumen Adjustment Example Calculation:

025U-075D / 3500K / 90 CRI

Lumen Output selected = 1069 lms/ft

4000K / 90 CRI Desired

Lumen Adjustment Factor = 1.058

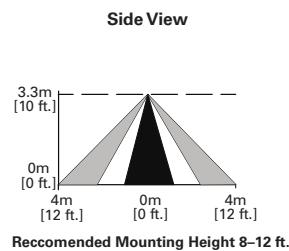
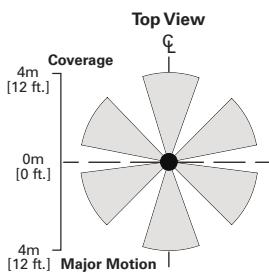
Adjusted Lumen Output = 1069 lms/ft x 1.058 = 1131 lms/ft

## Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- Enlighted
- iLumin Plus
- VividTune

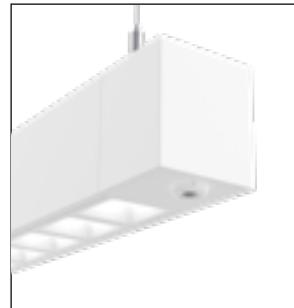


Connected Systems  
[CLICK HERE](#)

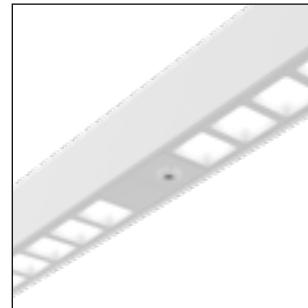


The Discreet with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The Discreet delivers superior lighting with integrated occupancy and daylighting controls. For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed. When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings. The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.

For additional information integrated sensors and connected lighting, please visit [Cooper Lighting Solutions' Connected Lighting Website](#).



Discreet Suspended with Integrated Sensor - Endcap



Discreet Suspended with Integrated Sensor - Center Mount



**Standalone**



**Controlled**  
WaveLinx Lite



**Connected**  
WaveLinx Wireless



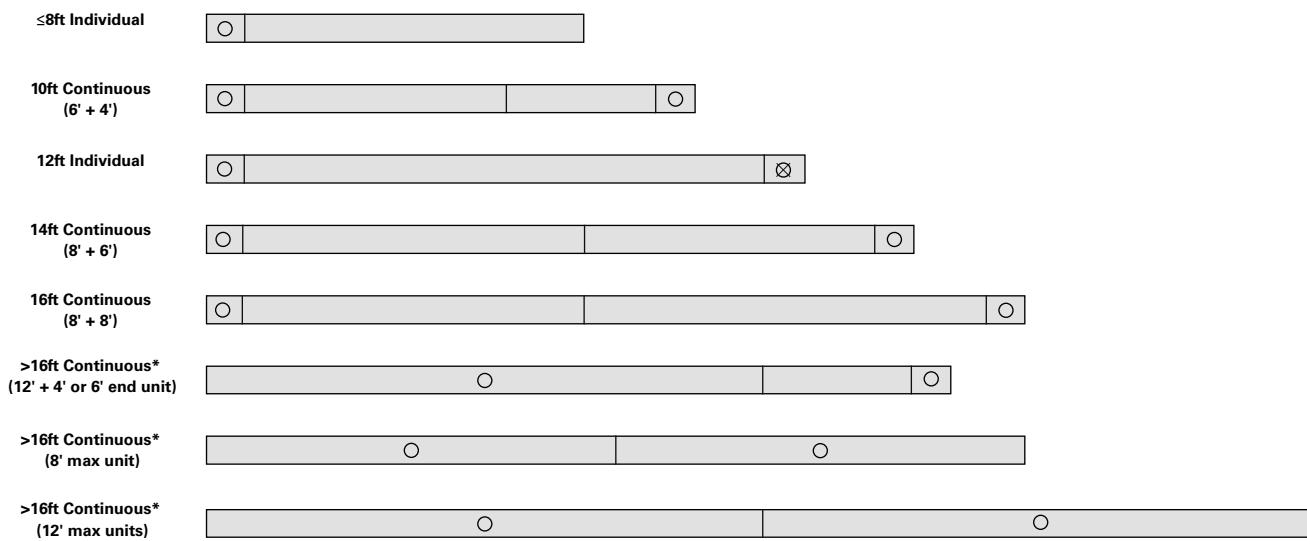
**Enterprise**  
Trellix

| Occupancy         | Yes | Yes                         | Yes                 | Yes                        |
|-------------------|-----|-----------------------------|---------------------|----------------------------|
| Daylighting       | Yes | Yes                         | Yes                 | Yes                        |
| Gateways          | –   | –                           | 1 WAC               | 300 WACs                   |
| Devices           | –   | 50 per Area (1400 per site) | 150 per WAC         | 45,000 per Core Enterprise |
| Software          | –   | WaveLinx Lite Mobile App    | WaveLinx Mobile App | Trellix Core               |
| Areas             | –   | 28 per Site                 | 16 per WAC          | up to 4,800                |
| Zones             | –   | 16 per Area                 | 16 per Area         | up to 76,800               |
| Scheduling        | –   | –                           | Local               | Global                     |
| VividTune™        | –   | –                           | Yes                 | Yes                        |
| Plug-Load Control | –   | –                           | Yes                 | Yes                        |
| Integration       | –   | –                           | –                   | BACnet, API                |
| Dashboards        | –   | –                           | –                   | Energy, Occupancy          |
| Configuration     | –   | Installer                   | Technician          | Technician / IT            |

## SCALABILITY



## Default Integral Sensor Placement



○ Standard Sensor with Luminaire Control  
 ☒ Auxiliary Sensor used for Sensor Coverage (wireless systems only)

Note: \*See Standard Row Configuration table on Page 4.  
 12' sensor spacing for continuous runs using 12' max units.  
 8' sensor spacing for continuous runs using 8' max units.  
 4' and 6' units at the ends of runs will utilize sensor end caps.

## Standard Row Configurations

## 12' Unit Max

| Fixture Length | 4' | 6' | 8' | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' | 34' | 36' | 38' | 40' | 42' | 44' | 46' | 48' | 50' |
|----------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4'             | 1  |    |    | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 6'             |    | 1  |    | 1   |     | 1   |     | 1   |     | 1   |     |     |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |
| 8'             |    |    | 1  |     |     | 1   | 2   |     | 1   | 2   |     |     | 1   | 2   |     | 1   | 2   |     | 1   | 2   |     | 1   | 2   |     |
| 12'            |    |    |    |     | 1   |     |     | 1   | 1   |     | 2   | 1   | 1   | 2   | 2   | 1   | 3   | 2   | 2   | 3   | 3   | 2   | 4   | 3   |

| Fixture Length | 52' | 54' | 56' | 58' | 60' | 62' | 64' | 66' | 68' | 70' | 72' | 74' | 76' | 78' | 80' | 82' | 84' | 86' | 88' | 90' | 92' | 94' | 96' | 98' | 100' |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 4'             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| 6'             |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1    |
| 8'             | 2   |     | 1   | 2   |     | 1   | 2   |     | 1   | 2   |     |     | 1   | 2   |     | 1   | 2   |     | 1   | 2   |     | 1   | 2   |     | 1    |
| 12'            | 3   | 4   | 4   | 3   | 5   | 4   | 4   | 5   | 5   | 4   | 6   | 5   | 5   | 6   | 6   | 5   | 7   | 6   | 6   | 7   | 7   | 6   | 8   | 7   | 7    |

## 8' Unit Max

| Fixture Length | 4' | 6' | 8' | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' | 34' | 36' | 38' | 40' | 42' | 44' | 46' | 48' | 50' |
|----------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4'             | 1  |    |    | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   |
| 6'             |    | 1  |    | 1   |     | 1   |     | 1   |     | 1   |     |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     |
| 8'             |    |    | 1  |     | 1   | 1   | 2   | 1   | 2   | 2   | 3   | 2   | 3   | 3   | 4   | 3   | 4   | 4   | 5   | 4   | 5   | 5   | 6   | 5   |

| Fixture Length | 52' | 54' | 56' | 58' | 60' | 62' | 64' | 66' | 68' | 70' | 72' | 74' | 76' | 78' | 80' | 82' | 84' | 86' | 88' | 90' | 92' | 94' | 96' | 98' | 100' |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 4'             | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1    |
| 6'             |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1    |
| 8'             | 6   | 6   | 7   | 6   | 7   | 7   | 8   | 7   | 8   | 8   | 9   | 8   | 9   | 9   | 10  | 9   | 10  | 10  | 11  | 10  | 11  | 11  | 12  | 11  | 12   |

## Driver Availability

| Lumen Package | 'STD' 0-10V, UNV<br>Qty of Drivers |    |    |     | '5LT' DALI / 'SR'<br>Qty of Drivers |    |    |     | 'L5' / 'LH' Lutron<br>Qty of Drivers |    |    |     | 'STD' 0-10V, 347V<br>Qty of Drivers |    |    |     |
|---------------|------------------------------------|----|----|-----|-------------------------------------|----|----|-----|--------------------------------------|----|----|-----|-------------------------------------|----|----|-----|
|               | 4'                                 | 6' | 8' | 12' | 4'                                  | 6' | 8' | 12' | 4'                                   | 6' | 8' | 12' | 4'                                  | 6' | 8' | 12' |
| 0U-050D       | 1                                  | 1  | 1  | 1   | 1                                   | 1  | 1  | 1   | 1                                    | 1  | 1  | 1   | 1                                   | 1  | 1  | 1   |
| 0U-075D       | 1                                  | 1  | 1  | 2   | 1                                   | 1  | 1  | 2   | 1                                    | 1  | 1  | 2   | 1                                   | 1  | 1  | 2   |
| 0U-100D       | 1                                  | 1  | 1  | 2   | 1                                   | 1  | 1  | 2   | 1                                    | 1  | 1  | 2   | 1                                   | 1  | 1  | 2   |
| 0U-125D       | 1                                  | 1  | 2  | 2   | 1                                   | 1  | 2  | 2   | 1                                    | 1  | 2  | 2   | 1                                   | 1  | 2  | 2   |
| 025U-050D     | 2                                  | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   | 2                                    | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   |
| 025U-075D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 025U-100D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 025U-125D     | 2                                  | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   | 2                                    | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   |
| 050U-050D     | 2                                  | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   | 2                                    | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   |
| 050U-075D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 050U-100D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 050U-125D     | 2                                  | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   | 2                                    | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   |
| 075U-050D     | 2                                  | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   | 2                                    | 2  | 2  | 2   | 2                                   | 2  | 2  | 2   |
| 075U-075D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 075U-100D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 075U-125D     | 2                                  | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   | 2                                    | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   |
| 100U-050D     | 2                                  | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   | 2                                    | 2  | 2  | 3   | 2                                   | 2  | 2  | 3   |
| 100U-075D     | 2                                  | 2  | 2  | 4   | 2                                   | 2  | 2  | 4   | 2                                    | 2  | 2  | 4   | 2                                   | 2  | 2  | 4   |
| 100U-100D     | 2                                  | 2  | 2  | 4   | 2                                   | 2  | 2  | 4   | 2                                    | 2  | 2  | 4   | 2                                   | 2  | 2  | 4   |
| 100U-125D     | 2                                  | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   | 2                                    | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   |
| 125U-050D     | 2                                  | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   | 2                                    | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   |
| 125U-075D     | 2                                  | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   | 2                                    | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   |
| 125U-100D     | 2                                  | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   | 2                                    | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   |
| 125U-125D     | 2                                  | 2  | 4  | 4   | 2                                   | 2  | 4  | 4   | 2                                    | 2  | 4  | 4   | 2                                   | 2  | 4  | 4   |
| 150U-050D     | 2                                  | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   | 2                                    | 2  | 3  | 3   | 2                                   | 2  | 3  | 3   |
| 150U-075D     | 2                                  | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   | 2                                    | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   |
| 150U-100D     | 2                                  | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   | 2                                    | 2  | 3  | 4   | 2                                   | 2  | 3  | 4   |
| 150U-125D     | 2                                  | 2  | 4  | 4   | 2                                   | 2  | 4  | 4   | 2                                    | 2  | 4  | 4   | 2                                   | 2  | 4  | 4   |