

### FIXTURE SPECIFICATIONS

#### INTENDED USE

The specification grade Architectural Direct / Indirect LED Linear Lighting delivers continuous clean lines and clear light to commercial, hospitality and residential interior lighting applications. Our modern, slim profiles and stylish linear chandelier designs offer excellent direct and indirect lighting, exceptional performance and versatility in offices, classrooms, conference rooms, museums, retail outlets, hotels, restaurants, and more.

#### PRODUCT FAMILY

**12100-14-P** Pendant Mount  
**12100-14-W** Wall Mount  
**12100-14-S** Surface Mount  
**12100-14-PR** Perimeter Recessed

#### AVAILABLE LENGTHS

**2FT, 3FT, 4FT, 6FT & 8FT**  
**Continuous Run** | Consult Factory  
**Custom Length** | Consult Factory



#### FEATURES

**Construction:** Die-formed and welded 22-gauge cold rolled steel, painted finish with premium paint

**Continuous Run:** Full ability to tandem mount for continuous run application

**Indirect Mounting:** For most effective indirect lighting result, mount at no less than 18" from the ceiling

**Custom Design:** Offered with pre-fabricated and fully illuminated corners

**Lens:** Glare-free frosted acrylic flat snap-in lens for even distribution

**Voltage:** 50/60 Hz Constant current 120~277V

**Dimming:** 0-10V

**Life:** +60,000 Reported L70 Hours @ 55°C

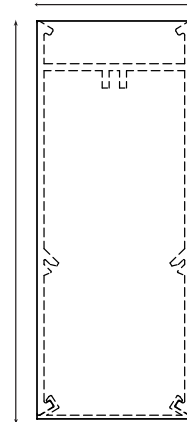
**Operating Temperature:** 4°F (-20°C) ~ 122°F (50°C).

**Warranty:** 5 years (Dynamic Colors) carefree for parts & components.  
 (Labor not included)

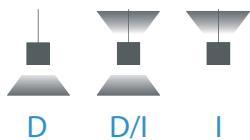
**Listings:** cULus Listed, Assembled in the USA

1.75"

4.5"



Pendant



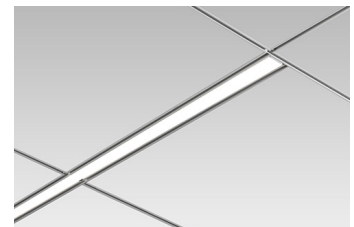
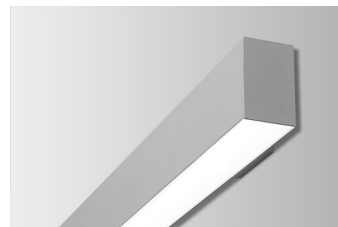
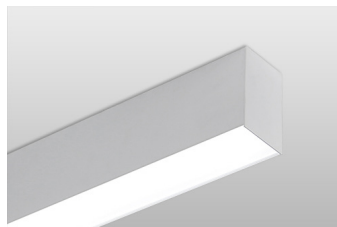
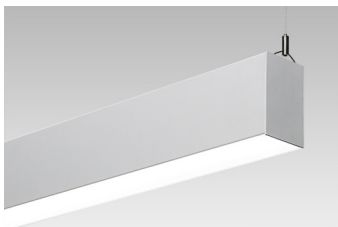
Surface



Wall



Perimeter Recessed



# ORDERING INFORMATION

Example: (12100-14-P-D-D4-S-4-27K-010-WH-WH-8-FL)

|                                                                     |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                                                               | 12100-14 1.75" x 4.5" Linear                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |
| MOUNTING                                                            | <b>P</b> Pendant<br><b>W</b> Wall<br><b>S</b> Surface<br><b>R</b> Recessed                                                                                                                                                                            | <b>PRFF</b> Perimeter Recessed Flanged <sup>19,20</sup><br><b>PRFT</b> Perimeter Recessed Flanged on one side <sup>19,20</sup><br><b>PRTT</b> Perimeter Recessed Trimless <sup>19,20</sup>                                                                                                                                                                                         | <b>PRF</b> Perimeter Recessed Grid Flanged <sup>20,21,22</sup><br><b>PRT</b> Perimeter Recessed Grid Flanged on one side <sup>20,21,23</sup><br><b>PRW</b> Perimeter Recessed for Wood Ceiling <sup>19,20,24</sup> |
| PERIMETER RECESSED REGRESSED HEIGHT                                 | <b>Blank</b> Not Required<br><b>F</b> Flat/Not regressed                                                                                                                                                                                              | <b>2</b> 2-Inch<br><b>4</b> 4-Inch                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                    |
| OPTICS                                                              | <b>D</b> Direct<br><b>DI</b> Direct / Indirect <sup>1</sup>                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |
| LED DOWNLIGHT<br><i>Wattage &amp; Lumen per 4-feet</i>              | <b>DYNAMIC WHITE</b><br><b>D9</b> 9 Watts   1089 lms<br><b>D18</b> 18 Watts   2178 lms<br><b>D27</b> 27 Watts   3267 lms<br><b>D36</b> 36 Watts   4356 lms                                                                                            | <b>TUNABLE WHITE</b><br><b>TW-4</b> 4.5 Watts   734 lms <sup>14</sup><br><b>TW-6</b> 6.75 Watts   924 lms <sup>14</sup><br><b>TW-9</b> 9 Watts   991 lms <sup>14</sup><br><b>TW-12</b> 12 Watts   1384 lms <sup>14</sup><br><b>TW-13</b> 13.5 Watts   1467 lms <sup>14</sup><br><b>TW-DLO</b> 4.4 Watts   494 lms <sup>15</sup><br><b>TW-DHO</b> 8.8 Watts   988 lms <sup>15</sup> | <b>RGBW</b> <sup>13</sup><br><b>RGBW-D10</b> 10 Watts   425 lms                                                                                                                                                    |
| LED UPLIGHT <sup>1,2</sup><br><i>Wattage &amp; Lumen per 4-feet</i> | <b>DYNAMIC WHITE</b><br><b>Blank</b> Not Required<br><b>I9</b> 9 Watts   1089 lms<br><b>I18</b> 18 Watts   2178 lms<br><b>I27</b> 27 Watts   3267 lms                                                                                                 | <b>TUNABLE WHITE</b><br><b>Blank</b> Not Required<br><b>TW-4</b> 4.5 Watts   734 lms <sup>14</sup><br><b>TW-6</b> 6.75 Watts   924 lms <sup>14</sup><br><b>TW-ILO</b> 4.4 Watts   494 lms <sup>15</sup><br><b>TW-IHO</b> 8.8 Watts   988 lms <sup>15</sup>                                                                                                                         | <b>RGBW</b> <sup>13</sup><br><b>Blank</b> Not Required<br><b>RGBW-I10</b> 10 Watts   425 lms                                                                                                                       |
| SHAPE<br><i>(Specify in Feet)</i>                                   | <b>SR</b> Single Run $x = 2', 3', 4', 6' \text{ or } 8'$<br><b>CR</b> Continuous Run $x = \text{Length}$                                                                                                                                              | <b>90<sup>deg</sup></b> 90° Angle <sup>25</sup> $x = \text{Leg 1 \& Leg 2}$<br><b>135<sup>deg</sup></b> 135° Angle <sup>25</sup> $x = \text{Leg 1 \& Leg 2}$                                                                                                                                                                                                                       |                                                                                                                                                                                                                    |
| COLOR TEMPERATURE                                                   | <b>DYNAMIC WHITE</b><br><b>27K</b> 2700K Warm White <sup>18</sup><br><b>30K</b> 3000K Soft White<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>50K</b> 5000K Daylight                                                        | <b>TUNABLE WHITE</b><br><b>TW2750</b> 2700-5000K (Wired) <sup>7</sup><br><b>TW2065</b> 2000-6500K (Wired) <sup>7</sup><br><b>TW2762</b> 2700-6200K (Wireless) <sup>4,8</sup>                                                                                                                                                                                                       | <b>RGBW</b> <sup>13</sup><br><b>RGBW30</b> RGB + W (3000K)<br><b>RGBW42</b> RGB + W (4200K)                                                                                                                        |
| DRIVER                                                              | <b>DYNAMIC WHITE</b><br><b>010</b> 0-10V 1% <i>Standard</i>                                                                                                                                                                                           | <b>TUNABLE WHITE</b><br><b>050</b> Tunable White 0-10V                                                                                                                                                                                                                                                                                                                             | <b>RGBW</b> <sup>13</sup><br><b>24V</b> RGBW & Wireless Tunable White <sup>8</sup>                                                                                                                                 |
| FINISH                                                              | <b>WH</b> White (Matte) <i>Standard</i><br><b>SL</b> Silver (Matte)                                                                                                                                                                                   | <b>BK</b> Black (Matte)<br><b>RAL#</b> Specify RAL # (Pg. 3)                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                    |
| PENDANT MOUNTING                                                    | <b>Blank</b> Not Required                                                                                                                                                                                                                             | <b>AC4</b> 4' Adjustable Aircraft Cable<br><b>AC8</b> 8' Adjustable Aircraft Cable<br><b>AC<del>9</del></b> Specify $x$ in Feet (Max 30')                                                                                                                                                                                                                                          | <b>ST2</b> 2' Stem <sup>12</sup><br><b>ST4</b> 4' Stem <sup>12</sup><br><b>ST<del>8</del></b> Specify $x$ in Feet (Max 8') <sup>12</sup>                                                                           |
| PENDANT CEILING TYPE                                                | <b>Blank</b> Not Required                                                                                                                                                                                                                             | <b>T</b> T-Bar Ceiling                                                                                                                                                                                                                                                                                                                                                             | <b>H</b> Hard Ceiling<br><b>SH</b> Hard Ceiling Sloped                                                                                                                                                             |
| PENDANT CORD / CANOPY FINISH                                        | <b>Blank</b> Not Required<br><b>WH/WH</b> White Cord / White Canopy<br><b>WH/BK</b> White Cord / Black Canopy                                                                                                                                         | <b>BK/BK</b> Black Cord / Black Canopy<br><b>BK/WH</b> Black Cord / White Canopy                                                                                                                                                                                                                                                                                                   | <b>WH/RAL#</b> White Cord / Specify RAL # (Page 3)<br><b>BK/RAL#</b> Black Cord / Specify RAL # (Page 3)                                                                                                           |
| CRI                                                                 | <b>Blank</b> 80+ CRI                                                                                                                                                                                                                                  | <b>9</b> 90+ CRI <sup>9</sup>                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                    |
| CONTROLS                                                            | <b>DYNAMIC WHITE</b><br><b>Blank</b> Not Required                                                                                                                                                                                                     | <b>TUNABLE WHITE</b> <sup>4</sup><br><b>TW-WWR-BK</b> Wireless Black Wall Remote<br><b>TW-WWR-WH</b> Wireless White Wall Remote<br><b>TW-DWR-BK</b> Wireless Black Desktop Remote                                                                                                                                                                                                  | <b>RGBW</b> <sup>13</sup><br><b>RGBW-APP</b> iOS/Android Bluetooth App<br><b>RGBW-SZ</b> Wireless RF Remote Control Single Zone<br><b>RGBW-MZ</b> Wireless RF Remote Control Multi Zone                            |
| WARRANTY                                                            | <b>Blank</b> 5 Year Warranty <i>Standard</i>                                                                                                                                                                                                          | <b>W7</b> 7 Year Warranty                                                                                                                                                                                                                                                                                                                                                          | <b>W10</b> 10 Year Warranty                                                                                                                                                                                        |
| OPTIONS                                                             | <b>XEM8</b> 8W External Emergency Battery<br><b>EM15</b> 15W Emergency Battery<br><b>EM20</b> 20W Emergency Battery<br><b>EM25</b> 25W Emergency Battery<br><b>ELCU-200</b> Fail-to-on Emergency UL924<br><b>GTD</b> Bodine Generator Transfer Device | <b>COC</b> Chicago Code Compliance Separated EM Feed<br><b>OS</b> Occupancy & Daylight Harvesting Sensor, Bluetooth Mesh Wireless, 0-10V Dimming                                                                                                                                                                                                                                   |                                                                                                                                                                                                                    |

1 Only available for Pendant and Wall Mounts with General Downlight Optics  
 2 RGBW downlight can be paired with a static color temperature uplight or RGBW uplight  
 3 Only compatible with D6 & D12 Downlight Wattages  
 4 Wireless control must be specified (page 5)  
 5 Minimum Length of 2 Feet  
 6 Draw your custom shape and send us your idea to rfq@alconlighting.com  
 7 Must be Paired with 050 Driver  
 8 Must specify for RGBW & Wireless Tunable White 24V Driver  
 9 Not available for RGBW  
 10 For RGBW, AB is only available though RGBW-MZ control or RGBW-APP  
 11 Control system must be specified for this feature  
 12 Stem finish will be the same as fixture finish  
 13 Bluetooth app control or wireless control must be specified for this feature (cannot be combined)  
 14 Only for Wired Tunable White Control  
 15 Only for Wireless Tunable White Control  
 16 Not available for RT, RS, and RF mountings

17 Max lumen for 6' & 8' lengths is 1467 lms  
 18 Only available in 90CRI  
 19 A 3/8" threaded rod is required for fixture installation and is not included. Please refer to the installation instructions for further details.  
 20 The perimeter mount type is compatible with various wall types. The installer must use appropriate screws suitable for each specific wall type.  
 21 For grid installations, an 18-gauge ceiling wire or tile hanger wire is required but not included. Please refer to the installation instructions for additional details. Suitable for T-bar and Screw slot grids.  
 22 Ideal for installations where the grid structure is mounted to the wall, allowing the trim to rest on the grid structure on both sides  
 23 Ideal for installations where no grid structure is attached to the wall, allowing the fixture's trim to rest on only one side  
 24 For installations to wood ceiling type.  
 25 For Perimeter Recessed mounting type.

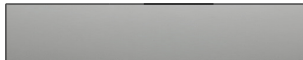
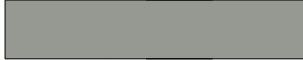
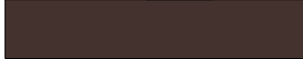
Available Finishes

Standard

|                                                                                  |             |           |
|----------------------------------------------------------------------------------|-------------|-----------|
|  | Matte White | RAL #9003 |
|----------------------------------------------------------------------------------|-------------|-----------|

Set up fee and longer lead time will be applied on non-standard finishes.

Metropolitan

|                                                                                    |                 |           |
|------------------------------------------------------------------------------------|-----------------|-----------|
|    | Black           | RAL #9011 |
|    | Silver          | RAL #9022 |
|    | Asher Grey      | RAL #7004 |
|    | Mason           | RAL #7039 |
|    | Slate           | RAL #7031 |
|  | Tech Grey       | RAL #7016 |
|  | Chocolate Spice | RAL #8017 |
|  | Urban Native    | RAL #8025 |
|  | Carmin          | RAL #8028 |
|  | Reseda Green    | RAL #6011 |

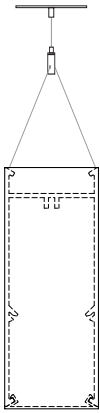
Vibrant

|                                                                                      |                |           |
|--------------------------------------------------------------------------------------|----------------|-----------|
|    | Violet Dreams  | RAL #4006 |
|    | Purple Red     | RAL #3004 |
|    | Carmine Red    | RAL #3002 |
|    | Rose           | RAL #3017 |
|    | Pure Orange    | RAL #2004 |
|  | Traffic Yellow | RAL #1023 |
|  | Daisy          | RAL #1018 |
|  | Antique Spring | RAL #6019 |
|  | Island Skye    | RAL #6027 |
|  | Sky Blue       | RAL #5015 |

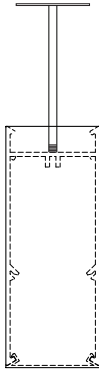
<sup>1</sup> Stem finish will be the same as fixture finish

## Mounting

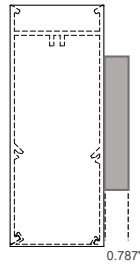
P - Pendant Cable



P - Pendant Stem



W - Wall

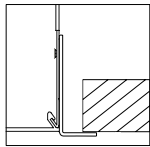


S - Surface

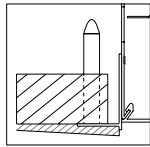


### PRFF, PRFT, PRTT - Perimeter Recessed for Drywall / hard ceiling installation

⚠ Luminaire must be installed prior to drywall



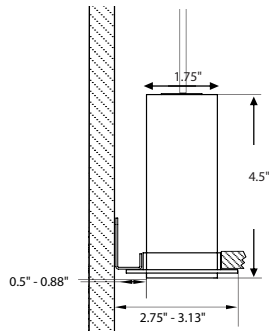
**Drywall**  
For - PRFF



**Drywall**  
For - PRTL (trimless)

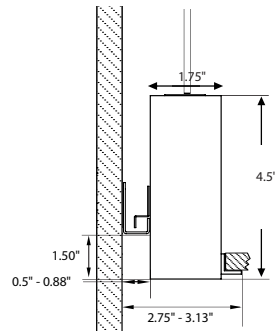
#### PRFF Perimeter Recessed Flanged

1/2" trim flanged drywall ceiling & wall



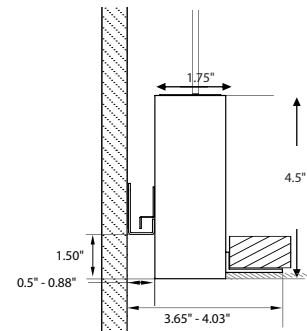
#### PRFT Perimeter Recessed Flanged on one side

1/2" trim flanged drywall ceiling & trimless wall

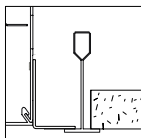


#### PRTT Perimeter Recessed Trimless

Trimless drywall ceiling & wall



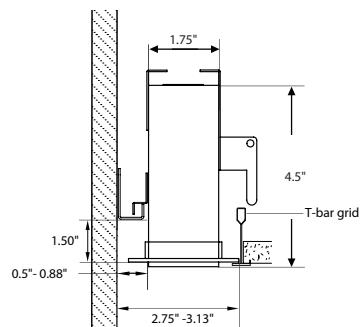
### PRF, PRT - Perimeter Recessed / Lay-in Grid



**Grid**  
15/16" or 9/16" Flat Tee  
main runner required for  
finish edge.

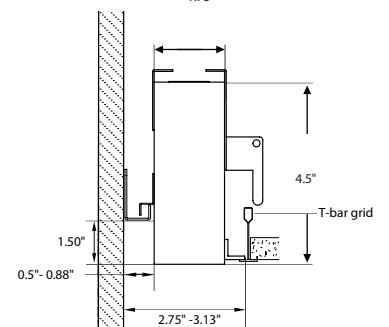
#### PRF Perimeter Recessed Grid Flanged

Flushed Lens Fixed mounting type (1/2" flange on both sides)



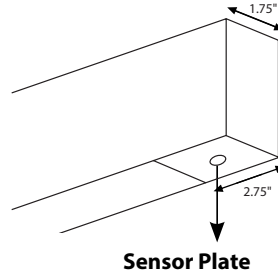
#### PRT Perimeter Recessed Grid Flanged on one side

Flushed Lens trimless on the wall and 1/2" flange on the other side 1.75"

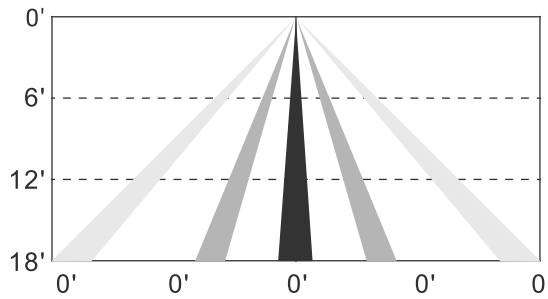




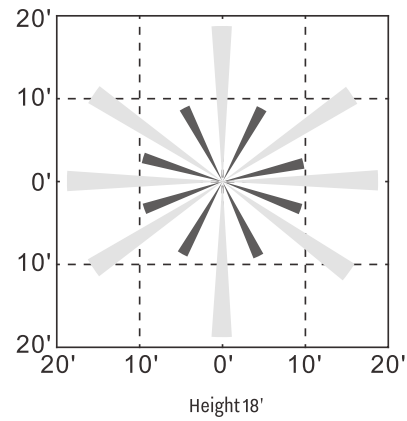
## Occupancy Sensor



**SIDE VIEW**

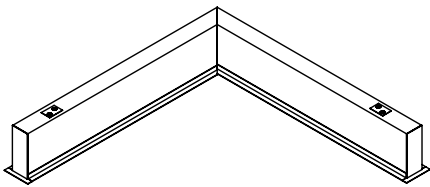


**TOP VIEW**

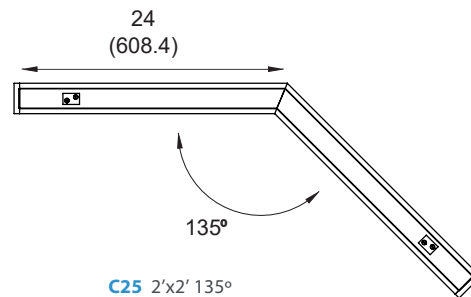


**OS, IFS105SE coverage pattern**

## Horizontal Lit Connectors for Perimeter Recessed



- C11** 1'x1' 90°
- C12** 1'x2' 90°
- C21** 2'x1' 90°
- C22** 2'x2' 90°



- C25** 2'x2' 135°

### Photometrics (for Dynamic Color Temperatures)

#### Direct

| 12100-44-WL-D4-S-4                              |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 551 FC         | 3.9 FT     | 3.1 FT  |
| 3.3FT                                           | 146 FC         | 7.6 FT     | 6.1 FT  |
| 5.0FT                                           | 63.7 FC        | 11.6 FT    | 9.2 FT  |
| 6.7FT                                           | 35.5 FC        | 15.5 FT    | 12.3 FT |
| 8.3FT                                           | 23.1 FC        | 19.2 FT    | 15.2 FT |
| 10.0FT                                          | 15.9 FC        | 23.2 FT    | 18.4 FT |
| ■ Vert. Spread: 98.4°<br>■ Horiz. Spread: 85.1° |                |            |         |

| 12100-44-WL-D13-S-4                             |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 985 FC         | 3.9 FT     | 3.1 FT  |
| 3.3FT                                           | 261 FC         | 7.6 FT     | 6.1 FT  |
| 5.0FT                                           | 114 FC         | 11.6 FT    | 9.2 FT  |
| 6.7FT                                           | 63.4 FC        | 15.5 FT    | 12.3 FT |
| 8.3FT                                           | 41.3 FC        | 19.2 FT    | 15.2 FT |
| 10.0FT                                          | 28.5 FC        | 23.2 FT    | 18.4 FT |
| ■ Vert. Spread: 98.4°<br>■ Horiz. Spread: 85.1° |                |            |         |

| 12100-44-WL-D4-S-8                              |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 1,102 FC       | 3.9 FT     | 3.1 FT  |
| 3.3FT                                           | 292 FC         | 7.6 FT     | 6.1 FT  |
| 5.0FT                                           | 127 FC         | 11.6 FT    | 9.2 FT  |
| 6.7FT                                           | 70.9 FC        | 15.5 FT    | 12.3 FT |
| 8.3FT                                           | 46.2 FC        | 19.2 FT    | 15.2 FT |
| 10.0FT                                          | 31.8 FC        | 23.2 FT    | 18.4 FT |
| ■ Vert. Spread: 98.4°<br>■ Horiz. Spread: 85.1° |                |            |         |

| 12100-44-WL-D13-S-8                             |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 1,970 FC       | 3.9 FT     | 3.1 FT  |
| 3.3FT                                           | 523 FC         | 7.6 FT     | 6.1 FT  |
| 5.0FT                                           | 228 FC         | 11.6 FT    | 9.2 FT  |
| 6.7FT                                           | 127 FC         | 15.5 FT    | 12.3 FT |
| 8.3FT                                           | 82.7 FC        | 19.2 FT    | 15.2 FT |
| 10.0FT                                          | 56.9 FC        | 23.2 FT    | 18.4 FT |
| ■ Vert. Spread: 98.4°<br>■ Horiz. Spread: 85.1° |                |            |         |

#### Direct/Indirect

| 12100-44-WL-D4-I4-S-4                           |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 467 FC         | 3.9 FT     | 3.3 FT  |
| 3.3FT                                           | 124 FC         | 7.6 FT     | 6.5 FT  |
| 5.0FT                                           | 54 FC          | 11.5 FT    | 9.8 FT  |
| 6.7FT                                           | 30.1 FC        | 15.5 FT    | 13.2 FT |
| 8.3FT                                           | 19.6 FC        | 19.1 FT    | 16.3 FT |
| 10.0FT                                          | 13.5 FC        | 23.1 FT    | 19.7 FT |
| ■ Vert. Spread: 98.1°<br>■ Horiz. Spread: 89.0° |                |            |         |

| 12100-44-WL-D13-I4-S-4                          |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 976 FC         | 3.8 FT     | 3.1 FT  |
| 3.3FT                                           | 259 FC         | 7.4 FT     | 5.9 FT  |
| 5.0FT                                           | 113 FC         | 11.3 FT    | 9.0 FT  |
| 6.7FT                                           | 62.8 FC        | 15.1 FT    | 12.1 FT |
| 8.3FT                                           | 40.9 FC        | 18.7 FT    | 14.9 FT |
| 10.0FT                                          | 28.2 FC        | 22.6 FT    | 18.0 FT |
| ■ Vert. Spread: 96.9°<br>■ Horiz. Spread: 83.9° |                |            |         |

| 12100-44-WL-D9-I6-S-8                           |                |            |         |
|-------------------------------------------------|----------------|------------|---------|
| Illuminance at a Distance                       |                |            |         |
|                                                 | Center Beam FC | Beam Width |         |
| 1.7FT                                           | 1446 FC        | 4 FT       | 3.1 FT  |
| 3.3FT                                           | 384 FC         | 7.8 FT     | 6.0 FT  |
| 5.0FT                                           | 167 FC         | 11.7 FT    | 9.1 FT  |
| 6.7FT                                           | 93.1 FC        | 15.7 FT    | 12.2 FT |
| 8.3FT                                           | 60.6 FC        | 19.5 FT    | 15.2 FT |
| 10.0FT                                          | 41.8 FC        | 23.5 FT    | 18.3 FT |
| ■ Vert. Spread: 98.1°<br>■ Horiz. Spread: 89.0° |                |            |         |

## COMPATIBLE DIMMERS FOR DYNAMIC WHITE

|        | ALCON<br>LIGHTING                                                    | LUTRON    | LEVITON®  |
|--------|----------------------------------------------------------------------|-----------|-----------|
| 0-10 V | <a href="#">2100</a><br><a href="#">2101</a><br><a href="#">2102</a> | Diva DDTV | IP-710-DL |

## COLOR TEMPERATURE GUIDE

