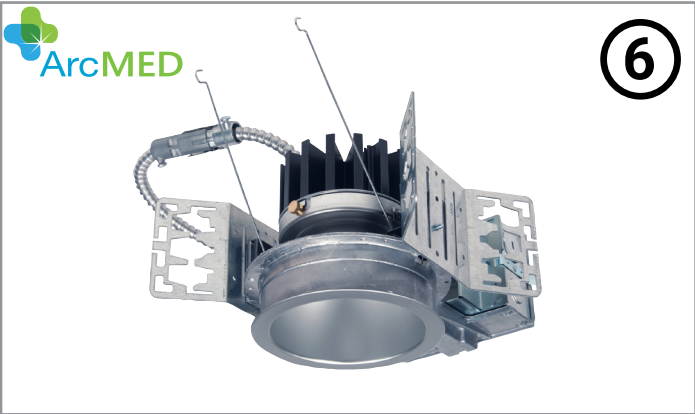


|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



### Interactive Menu

- Order Information page 2
- Energy Data page 6
- Product Specifications page 7
- BioUp - Melanopic Lighting page 9
- Product Warranty

### Top Product Features

- From 250 to 9,000 lumens for design flexibility
- Wet location standard (under covered ceiling)
- NSF listed for easy cleaning and wipe-down
- Choice of 6 reflector finishes
- Glass, acrylic, or polycarbonate bottom lens available for additional protection. Ligature resistant.
- IK10 impact resistant rated with polycarbonate bottom lens
- BioUp available for a 30% Biological Impact boost, compared to traditional LED sources
- Vandal resistant/high abuse, open or enclosed; Ligature resistant
- Options to meet Buy American and other domestic preference requirements

### Dimensional and Mounting Details

See page 6 for dimnsional details.

additional product diagrams

Below are SKUs that typically ship within 15 days.

#### 6" Round

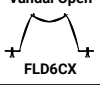
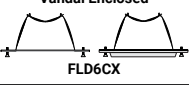
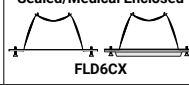
| Housing        | Module           |
|----------------|------------------|
| FLD6C-10-D010  | FEU6C-1025-90-30 |
| FLD6CX-10-D010 | FEU6C-1025-90-35 |
| FLD6C-15-D010  | FEU6C-1025-90-40 |
| FLD6CX-15-D010 |                  |
| FLD6C-20-D010  |                  |
| FLD6CX-20-D010 |                  |
| FLD6C-30-D010  | FEU6C-3040-90-30 |
| FLD6CX-30-D010 | FEU6C-3040-90-35 |
| FLD6C-40-D010  | FEU6C-3040-90-40 |
| FLD6CX-40-D010 |                  |

## 1. HOUSING

SAMPLE: **FLD6CX-20-D010**

**FLD6CX-40-DE010-IEM14** (housing to accept enclosed reflector - 4 brackets - vandal or sealed/medical)

**FLD6C-80-1D5LT** (housing to accept open reflector - no brackets - sealed/medical)

| Domestic Preferences <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                       |  | Vandal/ High Abuse Housing                                                                                                                                                                                                                                                                                                                           |                                                                                                    | Sealed/Medical Housing                                                                                                                                                                                                                                                                                                                                             |                                                                                                     | Lumens <sup>(2)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Color Control                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act                                                                                                                                                                                                                                                                                              |  | <b>Vandal Open</b><br><b>FLD6CX</b> =Housing, used with extended flanged reflector<br><b>FLD6CXCP</b> =Housing, used with extended flanged reflector, Chicago Plenum<br><br><b>Vandal Enclosed</b><br><b>FLD6CX</b> =Housing, used with extended flanged reflector<br><b>FLD6CXCP</b> =Housing, used with extended flanged reflector, Chicago Plenum |                                                                                                    | <b>Sealed/Medical Open</b><br><b>FLD6C</b> =Housing, used with standard flanged reflector<br><b>FLD6CCP</b> =Housing, used with standard flanged reflector, Chicago Plenum<br><br><b>Sealed/Medical Enclosed</b><br><b>FLD6CX</b> =Housing, used with extended flanged reflector<br><b>FLD6CXCP</b> =Housing, used with extended flanged reflector, Chicago Plenum |                                                                                                     | <b>02</b> =250 lumens<br><b>05</b> =500 lumens<br><b>08</b> =800 lumens<br><b>10</b> =1000 lumens<br><b>15</b> =1500 lumens<br><b>20</b> =2000 lumens<br><b>25</b> =2500 lumens<br><b>30</b> =3000 lumens<br><b>35</b> =3500 lumens<br><b>40</b> =4000 lumens<br><b>45</b> =4500 lumens <sup>(3)</sup><br><br><b>50</b> =5000 lumens <sup>(3)</sup><br><b>55</b> =5500 lumens <sup>(3)</sup><br><b>60</b> =6000 lumens <sup>(3)</sup><br><b>65</b> =6500 lumens <sup>(3)</sup><br><b>70</b> =7000 lumens <sup>(3)</sup><br><b>75</b> =7500 lumens <sup>(3)</sup><br><b>80</b> =8000 lumens <sup>(3)</sup><br><b>90</b> =9000 lumens <sup>(3)</sup> |  | <b>D2W</b> =Dim to warm (blank for all others)                                                                        |
| <b>Notes</b><br>(1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. |  | <br><b>FLD6CX</b>                                                                                                                                                                                                                                                   | <br><b>FLD6CX</b> | <br><b>FLD6C</b>                                                                                                                                                                                                                                                                  | <br><b>FLD6CX</b> | <b>Notes</b><br>(2) Nominal Lumens will vary depending on selected color, driver and reflector finish. (3) Product is marked spacing. <a href="#">Reference table on page 7 for the spacing details.</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>Notes</b><br>D2W Max. 7000 lumens. Available 800-2500, 3500 to 5000, and 7000 lumens. See power module, next page. |
|                                                                                                                                                                                                                                                                                                                                                                                           |  | VANDAL/HIGH ABUSE                                                                                                                                                                                                                                                                                                                                    |                                                                                                    | SEALED/MEDICAL                                                                                                                                                                                                                                                                                                                                                     |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                       |

| Housing Driver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fixture (Housing) Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Accessories <sup>(7)</sup>                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V, up to 7000 lumens<br><b>1D010</b> =0-10V Dimming, 1% to 100%, 120V, 7500 lumens & above<br><b>2D010</b> =0-10V Dimming, 1% to 100%, 277V, 7500 lumens & above<br><b>3D010</b> =0-10V Dimming, 1% to 100%, 347V, dedicated drivers, 800-4000 lumens, 250, 500, 4500 & above use step down transformer<br><b>1 driver:</b> 250-7000, <b>2 drivers:</b> 7500-12000<br><br><b>DE010</b> =0-10V Dimming, 0% to 100%, 120V-277V, 500-7000 lumens<br><b>1DE010</b> =0-10V Dimming, 0% to 100%, 120V, 7500 lumens & above<br><b>2DE010</b> =0-10V Dimming, 0% to 100%, 277V, 7500 lumens & above<br><b>3DE010</b> =0-10V Dimming, 0% to 100%, 347V, step down transformer, 500-12000 lumens<br><b>1 driver:</b> 250-7000, <b>2 drivers:</b> 7500-12000<br><br><b>D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-7000 lumens<br><b>1D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 7500 lumens & above<br><b>2D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 7500 lumens & above<br><b>3D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 347V, step down transformer, 500-12000 lumens<br><b>1 driver:</b> 250-7000, <b>2 drivers:</b> 7500-12000<br><br><b>DLE</b> =Lutron Ecosystem Dimming, 1% to 100%, 120V-277V, 800-3500 lumens<br><b>1DLE</b> =Lutron Ecosystem Dimming, 1% to 100%, 120V, 4000-7500 lumens<br><b>2DLE</b> =Lutron Ecosystem dimming 1% to 100%, 277V, 800-4000-7500 lumens<br><b>3DLE</b> =Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, 800-7500 lumens<br><br><b>Tunable White</b><br><b>DE010-W2N-2765</b> =Tunable white 2700-6500K, 0-10V Dimming, 0% to 100%, 120-277V 1000 lumens<br><b>1DE010-W2N-2765</b> =Tunable white 2700-6500K, 120V, 0-10V Dimming, 0% to 100%, 1500-5000 lumens<br><b>2DE010-W2N-2765</b> =Tunable white 2700-6500K, 277V, 0-10V Dimming, 0% to 100%, 1500-5000 lumens<br><b>3DE010-W2N-2765</b> =Tunable white 2700-6500K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 1000-5000 lumens<br><b>1 driver:</b> 1000-3500 lumens, <b>2 drivers:</b> 4000-5000 lumens<br><br><b>DE010-W2N-2050</b> =Tunable white 2000-5000K, 0-10V Dimming, 0% to 100%, 120-277V 1000 lumens<br><b>1DE010-W2N-2050</b> =Tunable white 2000-5000K, 120V, 0-10V Dimming, 0% to 100%, 1500-5000 lumens<br><b>2DE010-W2N-2050</b> =Tunable white 2000-5000K, 277V, 0-10V Dimming, 0% to 100%, 1500-5000 lumens<br><b>3DE010-W2N-2050</b> =Tunable white 2000-5000K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 1000-5000 lumens<br><b>1 driver:</b> 1000-3500 lumens, <b>2 drivers:</b> 4000-5000 lumens<br><br><b>D5LT-W2N-2765</b> =Tunable white 2700-6500K, 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120-277V 1000 lumens<br><b>1D5LT-W2N-2765</b> =Tunable white 2700-6500K, 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1500-5000 lumens<br><b>2D5LT-W2N-2765</b> =Tunable white 2700-6500K, 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1500-5000 lumens<br><b>3D5LT-W2N-2765</b> =Tunable white 2700-6500K, 347V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-5000 lumens<br><b>1 driver:</b> 1000-3500 lumens, <b>2 drivers:</b> 4000-5000 lumens<br><br><b>D5LT-W2N-2050</b> =Tunable white 2000-5000K, 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120-277V 1000 lumens<br><b>1D5LT-W2N-2050</b> =Tunable white 2000-5000K, 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1500-5000 lumens<br><b>2D5LT-W2N-2050</b> =Tunable white 2000-5000K, 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1500-5000 lumens<br><b>3D5LT-W2N-2050</b> =Tunable white 2000-5000K, 347V with step down transformer Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-5000 lumens<br><b>1 driver:</b> 1000-3500 lumens, <b>2 drivers:</b> 4000-5000 lumens<br><br><b>BioUp</b><br>(see next page) | <b>EMB0D</b> =Bodine® Emergency Module with Remote Test Switch, 7 watt <sup>(10)</sup><br><b>EM7</b> =7W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup><br><b>EM14</b> =14W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup><br><b>IEMB0D</b> =Bodine® Emergency Module with Integral Test Switch, 7 watt <sup>(4), (5)</sup><br><b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(4), (5)</sup><br><b>IEM14</b> =14W Emergency Module with Integral Test Switch <sup>(4), (5)</sup><br><b>ETRD</b> =Emergency Transfer Device <sup>(24)</sup> | <b>HB26</b> =C-channel Bar Hanger, 26" Long, Pair<br><b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair<br><b>RB22</b> =Wood Joist Bar Hanger, 22" Long, Pair<br><b>H347</b> =347 to 120V Step Down Transformer, 75VA<br><b>H347200</b> =347 to 120V Step Down Transformer, 200VA |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Notes</b><br><sup>(4)</sup> Not available with Chicago Plenum.<br><sup>(5)</sup> ULus listed only. <sup>(6)</sup> Transfer time from normal to EM power > 1 second.<br><br><sup>(24)</sup> Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)                                                                                                                                                                                                                                                                                    | <b>Notes</b><br><sup>(7)</sup> Accessories sold separately will be separately analyzed under domestic preference requirements. Consult technical support for further information.                                                                                                |



## 1. HOUSING (continued)

| Housing Driver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fixture (Housing) Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Accessories <sup>(7)</sup>                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BioUp</b> (continued)<br><b>DE010B2750</b> =BioUp tunable white 2700-5000K, 0-10V Dimming, 0% to 100%, 120-277V 800 lumens<br><b>1DE010B2750</b> = BioUp tunable white 2700-5000K, 120V, 0-10V Dimming, 0% to 100%, 1000-4000 lumens<br><b>2DE010B2750</b> = BioUp tunable white 2700-5000K, 277V, 0-10V Dimming, 0% to 100%, 1000-4000 lumens<br><b>3DE010B2750</b> = BioUp tunable white 2700-5000K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 800-4000 lumens<br><b>1 driver:</b> 800-2500 lumens; <b>2 drivers:</b> 3000-4000 lumens                                                                                                                                                                                             | <b>EMB00</b> =Bodine® Emergency Module with Remote Test Switch, 7 watt <sup>(14)</sup><br><b>EM7</b> =7W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup><br><b>EM14</b> =14W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup><br><b>IEMB00</b> =Bodine® Emergency Module with Integral Test Switch, 7 watt <sup>(4), (5)</sup><br><b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(4), (5)</sup><br><b>IEM14</b> =14W Emergency Module with Integral Test Switch <sup>(4), (5), (6)</sup><br><b>ETRD</b> =Emergency Transfer Device <sup>(24)</sup> | <b>HB26</b> =C-channel Bar Hanger, 26" Long, Pair<br><b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair<br><b>RM822</b> =Wood Joist Bar Hanger, 22" Long, Pair<br><b>H347</b> =347 to 120V Step Down Transformer, 75VA<br><b>H347200</b> =347 to 120V Step Down Transformer, 200VA |
| <b>DE010B35, DE010B40, DE010B50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 0-10V Dimming, 0% to 100%, 120-277V 800 lumens<br><b>1DE010B35, 1DE010B40, 1DE010B50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 120V, 0-10V Dimming, 0% to 100%, 1000-4000 lumens<br><b>2DE010B35, DE010B40, DE010B50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 277V, 0-10V Dimming, 0% to 100%, 1000-4000 lumens<br><b>3DE010B35, 3DE010B40, 3DE010B50</b> = BioUp Static White (choose 3500K, 4000K or 5000K) 347V with step down transformer, 0-10V Dimming, 0% to 100%, 800-4000 lumens<br><b>1 driver:</b> 800-2500 lumens; <b>2 drivers:</b> 3000-4000 lumens                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                   |
| <b>D5LTB2750</b> =BioUp Tunable white 2700-5000K, 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120-277V 800 lumens<br><b>1D5LTB2750</b> = BioUp Tunable white 2700-5000K, 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-4000 lumens<br><b>2D5LTB2750</b> = BioUp Tunable white 2700-5000K, 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-4000 lumens<br><b>3D5LTB2750</b> = BioUp Tunable white 2700-5000K, 347V with step down transformer Fifth Light® (DALI T6) Dimming, 0% to 100%, 800-4000 lumens<br><b>1 driver:</b> 800-2500 lumens; <b>2 drivers:</b> 3000-4000 lumens                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                   |
| <b>D5LTB35, D5LTB40, D5LTB50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120-277V 800 lumens<br><b>1D5LTB35, 1D5LTB40, 1D5LTB50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-4000 lumens<br><b>2D5LTB35, 2D5LTB40, 2D5LTB50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-4000 lumens<br><b>3D5LTB35, 3D5LTB40, 3D5LTB50</b> = BioUp Static White (choose 3500K, 4000K or 5000K), 347V with step down transformer Fifth Light® (DALI T6) Dimming, 0% to 100%, 800-4000 lumens, <b>1 driver:</b> 800-2500 lumens; <b>2 drivers:</b> 3000-4000 lumens | <p><b>Notes</b></p> <p>(4) Not available with Chicago Plenum.<br/> (5) ULus listed only. (6) Transfer time from normal to EM power &gt; 1 second.</p> <p>(24) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)</p>                                                                                                                                                                                                                                                                                                                     | <p><b>Notes</b></p> <p>(7) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult technical support for further information.</p>                                                                                                 |

## 2. MODULE

SAMPLE: FEU6C-1025-90-24 FEU6C-4080-97-27 FEU6C-0820B-9035  
FEU6C-3545-90-30-D2W FEU6C-4050-W2N-90-2050



| Domestic Preferences <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                       | Power Module                              | Lumen Levels <sup>(2)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRI                                                                                                                                    | Color                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act                                                                                                                                                                                                                                                                                              | <b>FEU6C</b> =6-inch Universal LED Module | <b>For use with one driver</b><br><b>0208IC</b> =250, 500 and 800 lumens, IC Rated (for use with all drivers, min 500 lumens with DE010 and D5LT, min 800 lumens with Lutron)<br><b>1025</b> =1000, 1500, 2000, 2500 lumens<br><b>1015IC</b> =1000, 1500 lumens IC Rated<br><b>3040</b> =3000, 3500, 4000 lumens (for use with Lutron 3000-3500, D010, D5LT and DE010 3000-4000)<br><b>4560</b> =4500, 5000, 5500, 6000 lumens (for use with D010, D5LT and DE010 4500-6000) <sup>(3)</sup><br><b>6570</b> =6500, 7000 lumens (for use with D010, D5LT and DE010) <sup>(3)</sup><br><br><b>For use with two drivers</b><br><b>4080</b> =4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000 lumens, (for use with Lutron 4000-7500 D010, D5LT & DE010 7500-8000 lumens) <sup>(3)</sup><br><b>90120</b> =9000, 10000, 11000, 12000 lumens (D010, D5LT, DE010 to 9000 lumens) <sup>(3)</sup>                                                                                                                | <b>90</b> =90 CRI Minimum<br><b>97</b> =97 CRI Minimum                                                                                 | <b>90 CRI</b><br><b>24</b> =2400K<br><b>27</b> =2700K<br><b>30</b> =3000K<br><b>35</b> =3500K<br><b>40</b> =4000K<br><b>50</b> =5000K |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                           | <b>98 CRI Thrive</b><br><b>0208IC</b> =250, 500 and 800 lumens 98 CRI, IC rated (For use with all drivers, min 500 lumens with DE010 and D5LT, min 800 lumens with Lutron)<br><b>1025</b> =1000, 1500, 2000 and 2500 lumens, 98 CRI (For use with D010, DE010 Lutron 1000-2500 lumens)<br><b>3045</b> =3000, 3500, 4000 and 4500 lumens, 98 CRI (For use with D010, D5LT and DE010 3000-4500 lumens)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>98</b> =98 CRI Minimum                                                                                                              | <b>98 CRI</b><br><b>27</b> =2700K<br><b>30</b> =3000K<br><b>35</b> =3500K<br><b>40</b> =4000K<br><b>50</b> =5000K                     |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                           | <b>Dim 2 Warm</b><br><b>0825-90-30-D2W</b> =800-2500 lumen, 90 CRI, Dim 2 Warm (1 driver and 1 LED) <sup>(24)</sup><br><b>3545-90-30-D2W</b> =3500-4500 lumen, 90 CRI, Dim 2 Warm (2 drivers and LEDs)<br><b>70-90-30-D2W</b> =7000 lumens, 90 CRI, Dim 2 Warm (3 drivers and LEDs) <sup>(3)</sup><br><br><b>Tunable white</b><br><b>1030-W2N-90-2765</b> =1000, 1500, 2000, 2500, 3000 lumens, 90 CRI, tunable white 2700K-6500K <sup>(25)</sup><br><b>1030-W2N-90-2050</b> =1000, 1500, 2000, 2500, 3000 lumens, 90 CRI, tunable white 2000K-5000K <sup>(25)</sup><br><b>35-W2N-90-2765</b> =3500 lumens, 90 CRI, tunable white 2700K-6500K <sup>(3)</sup><br><b>35-W2N-90-2050</b> =3500 lumens, 90 CRI, tunable white 2000K-5000K <sup>(3)</sup><br><b>4050-W2N-90-2765</b> =4000, 4500, 5000 lumens, 90 CRI, tunable white 2700K-6500K (2 drivers and LEDs) <sup>(3)</sup><br><b>4050-W2N-90-2050</b> =4000, 4500, 5000 lumens, 90 CRI, tunable white 2000K-5000K (2 drivers and LEDs) <sup>(3)</sup> |                                                                                                                                        |                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                           | <b>BioUp Tunable White</b><br><br><b>BioUp Tunable white</b><br><b>0820B</b> =800, 1000, 1500, 2000 lumens, 90 CRI <sup>(24)</sup><br><b>2500B</b> =2500 lumens, 90 CRI <sup>(3)</sup><br><b>3040B</b> =3000, 3500, 4000 lumens, 90 CRI <sup>(3)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>9035</b> = Static 3500K<br><b>9040</b> =Static 4000K<br><b>9050</b> =Static 5000K<br><b>902750</b> =BioUp Tunable White 2700K-5000K |                                                                                                                                       |
| <b>Notes</b><br>(1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="#">DOMESTIC.PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. |                                           | <b>Notes</b><br>(2) Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference IES files. (3) Product is marked spacing. <a href="#">Reference table on page 7 for the spacing details.</a> (24) IC rated for 800 lumens. (25) IC rated for 1000 lumens.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Do not specify CRI or CCT with Dim 2 Warm. Dim 2 Warm is only available with 3000K and 90 CRI.                                         |                                                                                                                                       |



## 3. TRIM/REFLECTOR

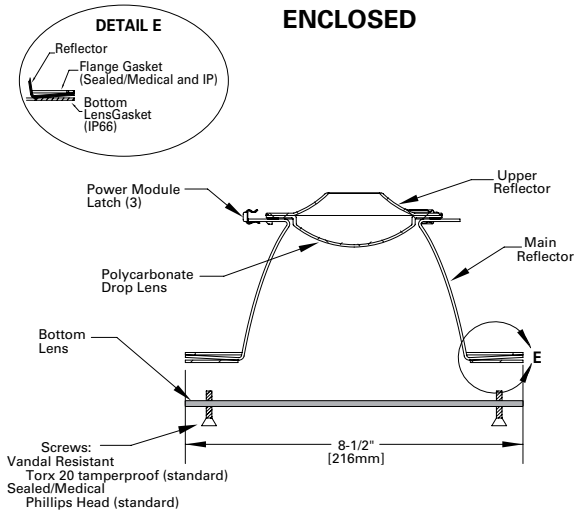
SAMPLES: **F6LC-M-1-LI** (open reflector, sealed/medical)  
**F6LCXV-M-2-H-BL86** (enclosed reflector, vandal, bottom lens, 0.25" clear polycarbonate lens)  
**F6LCXS-M-1-LI-BL89BV** (enclosed reflector, sealed/medical, bottom lens, 0.125" smooth clear acrylic lens)

| Base Trim                                                                                                                                                                     | Distribution <sup>(11)</sup>                                                                                                                                                                                                                                                                                                                                                                                                              | Flange                                                                                                                                            | Reflector Finish                                                                                                                                                                                                                                  | Trim Options <sup>(24)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Vandal Resistant</b> <sup>(9)</sup><br><b>F6LCXV</b> =(open)<br><b>F6LCXS</b> =(enclosed)<br><br><b>Sealed/Medical</b><br><b>F6LC</b> =(open)<br><b>F6LCXS</b> =(enclosed) | <b>All Trims</b><br><b>M</b> =Medium (50° Beam), Spun Aluminum<br><br><b>Sealed/Medical Open Only (F6LC Only)</b><br><b>W</b> =Wide (Sealed/Medical open only)<br><b>SW</b> =Single Wall Wash Spun Aluminum (not IP rated)<br>(Sealed/Medical open only) <sup>(10), (12)</sup><br><b>N</b> =Narrow, Spun Aluminum <sup>(13)</sup><br><b>PS</b> =Non-conductive, Shallow (Dead Front) <sup>(16), (17)</sup>                                | <b>1</b> =Self-flanged <sup>(18)</sup><br><b>2</b> =White Painted Self-flanged (not available with bottom trim ring, MW, or AMF reflector finish) | <b>LI</b> =Specular Clear <sup>(20)</sup><br><b>H</b> =Semi-Specular Clear <sup>(20)</sup><br><b>WMH</b> =Warm Haze <sup>(20)</sup><br><b>MW</b> =Matte White<br><b>AMF</b> =Antimicrobial, Matte White<br><b>GW</b> =Gloss White <sup>(22)</sup> | <b>E</b> =Integral Emergency Test Switch Hole <sup>(14)</sup><br><b>HS</b> =High Security (F6LCXV only) <sup>(23)</sup><br><br><b>Bottom Lens (enclosed only)</b> <sup>(19), (21)</sup><br><b>BL84</b> =Bottom lens, 0.125" clear polycarbonate<br><b>BL85</b> =Bottom lens, 0.187" clear polycarbonate<br><b>BL86</b> =Bottom lens, 0.250" clear polycarbonate<br><b>BL89AM</b> =Bottom lens, 0.125" smooth opal polycarbonate<br><b>BL89BV</b> =Bottom lens, 0.125" smooth clear acrylic<br><br><b>Bottom Trim Ring (enclosed only)</b> <sup>(19), (21), (22)</sup><br><b>BTR84</b> =Bottom trim ring with 0.125" clear polycarbonate lens<br><b>BTR85</b> =Bottom trim ring with .187" clear polycarbonate lens<br><b>BTR86</b> =Bottom trim ring with 0.250" clear polycarbonate lens<br><b>BTR89BV</b> =Bottom trim ring with 0.125" smooth clear acrylic lens<br><br>*For IP65 and IP66 - Refer to Compatibility Chart on Page 8 |
| <b>Notes</b><br>(9) Vandal resistant open and enclosed, same trim catalog logic. The words vandal, vandal resistant, and high abuse are used interchangeably.                 | <b>Notes</b><br>(10) Not available with Chicago Plenum. (11) Product is marked spacing and must be installed with the following minimum spacing. Center to center of adjacent luminaires: 36". Center of luminaire to side of building member: 18". Minimum overhead: 1/2". (12) Not available on Vandal Resistant Open. (13) Use with single LED driver (16) PS available in self-flanged MW finish only (17) Offered up to 2000 lumens. | <b>Notes</b><br>(18) Flange is same finish as the reflector.                                                                                      | <b>Notes</b><br>(20) Anodized or spun reflectors.                                                                                                                                                                                                 | <b>Notes</b><br>(14) Only available with medium bottom lens, and is required for all IEM housings...<br>(19) For open style, do not specify either Bottom Lens or Bottom Trim. For enclosed units, specify either Bottom Lens or Bottom Trim but not both. (21) Additional lens options for the BL (bottom lens) and BTR (bottom trim ring), available, see Downlight Lens Guide on page 8. (22) Bottom Trim Ring (BTR) is AMF standard. For Gloss White Bottom Trim Ring, specify BTRGW then the lens designation. Example: BTRGW84. (23) HS only available on F6LCXV trim with BTR84, BTR85, or BTR86 bottom trim rings. F6LCXV bottom trim is only compatible with FLD6CX housing. (24) NSF listing is only available with the Sealed/Medical Open or Sealed/Medical Enclosed with Phillips head screws.                                                                                                                            |

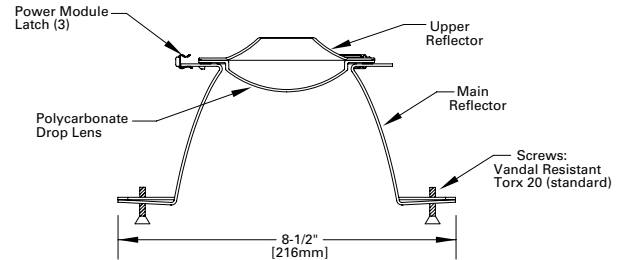
|                                         |                                                                                |                                               |                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Vandal Open</b><br><br><b>F6LCXV</b> | <b>Vandal Enclosed</b><br><br>Bottom Lens<br>Bottom Trim Ring<br><b>F6LCXV</b> | <b>Sealed/Medical Open</b><br><br><b>F6LC</b> | <b>Sealed/Medical Enclosed</b><br><br>Bottom Lens<br>Bottom Trim Ring<br><b>F6LCXS</b> |
| VANDAL/HIGH ABUSE                       |                                                                                | SEALED/MEDICAL                                |                                                                                        |

## Dimensional and Mounting Details

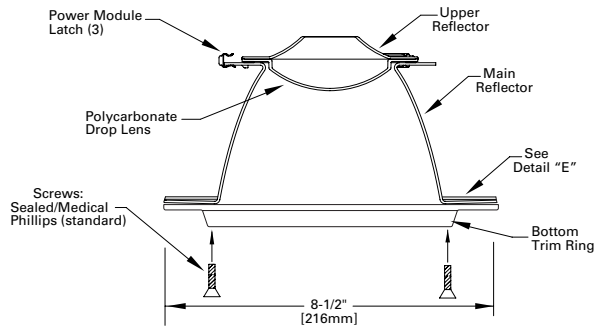
### VANDAL RESISTANT/ HIGH ABUSE & SEALED/MEDICAL BOTTOM LENS ENCLOSED



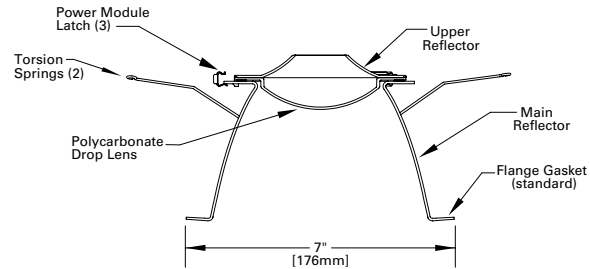
### VANDAL RESISTANT/ HIGH ABUSE OPEN



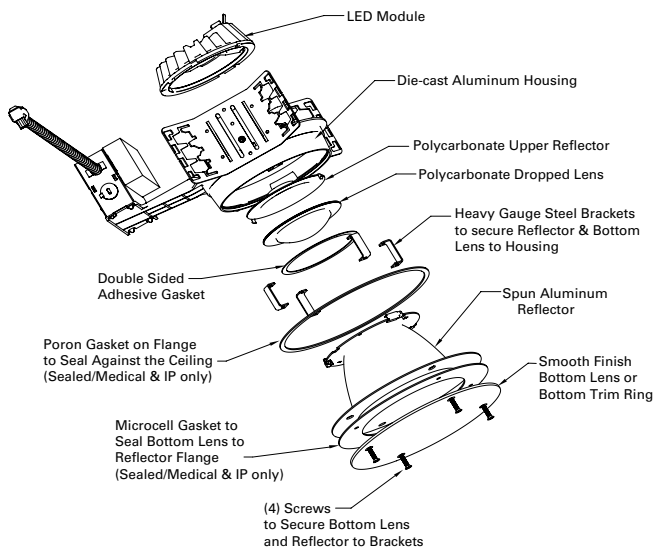
### SEALED/MEDICAL BOTTOM TRIM RING ENCLOSED



### SEALED/MEDICAL OPEN



### ENCLOSED BOTTOM LENS or BOTTOM TRIM RING



#### NOTE:

Sealed Medical Regress Lens has gasket on flange to seal against ceiling and is attached to housing with torsion springs.

Below are SKUs that typically ship within 15 days.

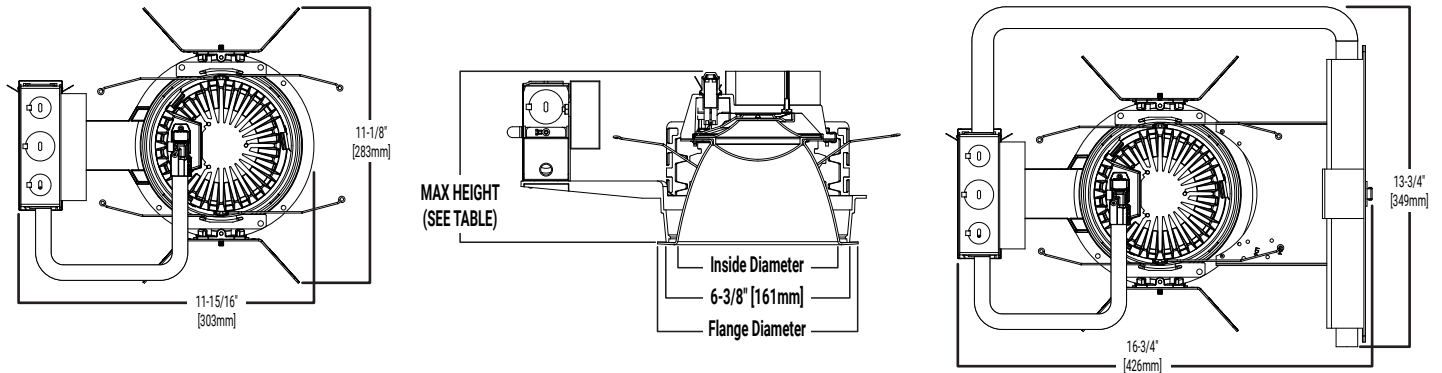
#### 6" Round

| Housing        | Module           |
|----------------|------------------|
| FLD6C-10-D010  | FEU6C-1025-90-30 |
| FLD6CX-10-D010 | FEU6C-1025-90-35 |
| FLD6C-15-D010  | FEU6C-1025-90-40 |
| FLD6CX-15-D010 |                  |
| FLD6C-20-D010  |                  |
| FLD6CX-20-D010 |                  |
| FLD6C-30-D010  | FEU6C-3040-90-30 |
| FLD6CX-30-D010 | FEU6C-3040-90-35 |
| FLD6C-40-D010  | FEU6C-3040-90-40 |
| FLD6CX-40-D010 |                  |

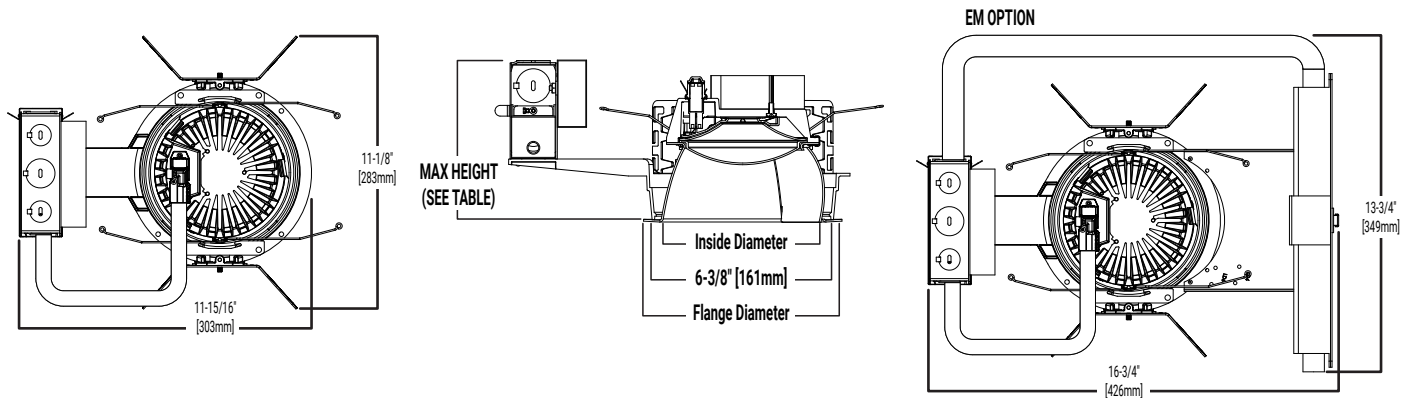
## Dimensional and Mounting Details



### DOWNLIGHT



### WALL WASH



| Trim Type               | Flange DIAMETER<br>[IN] | INSIDE DIAMETER<br>[IN] | MAX HEIGHT      |                  |                       |                  |             |
|-------------------------|-------------------------|-------------------------|-----------------|------------------|-----------------------|------------------|-------------|
|                         |                         |                         | 250-2500 LUMENS | 3000-4000 LUMENS | 1000-1500IC<br>LUMENS | 6500-7000 LUMENS | 9000 LUMENS |
| Narrow                  | 6.94                    | 5.54                    | 5.7             | 5.9              | 6.1                   | 7.1              | 9.1         |
| Medium                  | 6.94                    | 5.54                    | 5.7             | 5.9              | 6.1                   | 7.1              | 9.1         |
| Wide                    | 6.94                    | 5.56                    | 5.6             | 5.6              | 5.6                   | 6.2              | 8.2         |
| Plastic<br>(Dead Front) | 6.94                    | 5.66                    | 5.6             | 5.6              | 5.6                   | 5.6              | 6.7         |
| Wall Wash,<br>Single    | 6.94                    | 5.56                    | 5.6             | 5.6              | 5.6                   | 6.2              | 8.2         |

## Energy and Performance Data



## D010 DRIVER ENERGY DATA

| Series                   | 250 lumen |       | 500 lumen |        | 800 lumen |        | 1000 lumen |        | 1500 lumen |        | 2000 lumen |        |
|--------------------------|-----------|-------|-----------|--------|-----------|--------|------------|--------|------------|--------|------------|--------|
| Input Voltage 120-277VAC | 120V      | 277V  | 120V      | 277V   | 120V      | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   |
| Input Current (A)        | 0.029     | 0.017 | 0.061     | 0.032  | 0.085     | 0.041  | 0.084      | 0.042  | 0.135      | 0.063  | 0.189      | 0.084  |
| Input Power (W)          | 3.45      | 3.87  | 7.33      | 7.78   | 10.15     | 10.52  | 10.04      | 10.43  | 16.17      | 16.56  | 22.58      | 22.63  |
| In-rush (A)              | 2.1       | 8.5   | 3.7       | 8.5    | 3.6       | 8.3    | 3.6        | 8.4    | 2.3        | 9.5    | 2.1        | 9.7    |
| Inrush duration (μs)     | 250       | 131   | 190       | 136    | 220       | 135    | 226        | 136    | 230        | 125    | 243        | 132    |
| THDi (%)                 | 7.21      | 16.92 | 7.82      | 10.78  | 5.57      | 9.63   | 7.78       | 9.24   | 4.75       | 9.93   | 8.03       | 7.44   |
| PF                       | ≥ 0.98    | ≥ 0.9 | ≥ 0.99    | ≥ 0.93 | ≥ 0.99    | ≥ 0.95 | ≥ 0.99     | ≥ 0.95 | ≥ 0.99     | ≥ 0.94 | ≥ 0.99     | ≥ 0.96 |

| Series                   | 2500 lumen |        | 3000 lumen |        | 3500 lumen |        | 4000 lumen |        | 4500 lumen |        | 5000 lumen |        |
|--------------------------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|
| Input Voltage 120-277VAC | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   |
| Input Current (A)        | 0.276      | 0.121  | 0.276      | 1.121  | 0.333      | 0.152  | 0.404      | 0.181  | 0.421      | 0.192  | 0.491      | 0.216  |
| Input Power (W)          | 32.98      | 32.57  | 32         | 32.57  | 39.83      | 39.84  | 48.38      | 47.94  | 50.22      | 50.17  | 58.69      | 58.01  |
| In-rush (A)              | 2.5        | 11.8   | 3.6        | 11.8   | 3.1        | 14.3   | 3.1        | 14.5   | 5.6        | 22.6   | 5.6        | 22.6   |
| Inrush duration (μs)     | 215        | 111    | 220        | 111    | 200        | 94     | 197        | 95     | 215        | 120    | 213        | 135    |
| THDi (%)                 | 9.86       | 6.57   | 5.57       | 6.57   | 4.25       | 10.05  | 5.02       | 7.97   | 6.12       | 8.35   | 8.51       | 7.92   |
| PF                       | ≥ 0.99     | ≥ 0.97 | ≥ 0.99     | ≥ 0.99 | ≥ 0.99     | ≥ 0.94 | ≥ 0.99     | ≥ 0.95 | ≥ 0.99     | ≥ 0.95 | ≥ 0.99     | ≥ 0.96 |

| Series                   | 5500 lumen |        | 6000 lumen |        | 6500 lumen |        | 7000 lumen |        | 7500 lumen |        | 8000 lumen |        |
|--------------------------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|
| Input Voltage 120-277VAC | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   | 120V       | 277V   |
| Input Current (A)        | 0.526      | 0.231  | 0.542      | 0.256  | 0.572      | 0.266  | 0.632      | 0.292  | 0.668      | 0.306  | 0.734      | 0.332  |
| Input Power (W)          | 62.97      | 61.97  | 64.88      | 65.7   | 68.35      | 69.02  | 75.56      | 75.85  | 79.89      | 80.09  | 88.01      | 87.81  |
| In-rush (A)              | 5.1        | 23.1   | 6.2        | 27.5   | 6.3        | 28.4   | 6.4        | 29.1   | 6.4        | 28.7   | 6.3        | 29.7   |
| Inrush duration (μs)     | 217        | 138    | 188        | 101    | 189        | 92     | 187        | 90     | 185        | 100    | 187        | 123    |
| THDi (%)                 | 9.42       | 7.16   | 4.33       | 11.86  | 4.38       | 11.33  | 4.84       | 10.32  | 4.46       | 9.85   | 3.92       | 8.92   |
| PF                       | ≥ 0.99     | ≥ 0.96 | ≥ 0.99     | ≥ 0.93 | ≥ 0.99     | ≥ 0.93 | ≥ 0.99     | ≥ 0.94 | ≥ 0.99     | ≥ 0.94 | ≥ 0.99     | ≥ 0.95 |

| Series                   | 9000 lumen |        |
|--------------------------|------------|--------|
| Input Voltage 120-277VAC | 120V       | 277V   |
| Input Current (A)        | 0.842      | 0.374  |
| Input Power (W)          | 101.12     | 99.88  |
| In-rush (A)              | 12.9       | 28.6   |
| Inrush duration (μs)     | 170        | 97     |
| THDi (%)                 | 5.74       | 9.28   |
| PF                       | ≥ 0.99     | ≥ 0.95 |

Minimum starting temperature -30°C (-22°F)\*  
(Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

**Notes:**

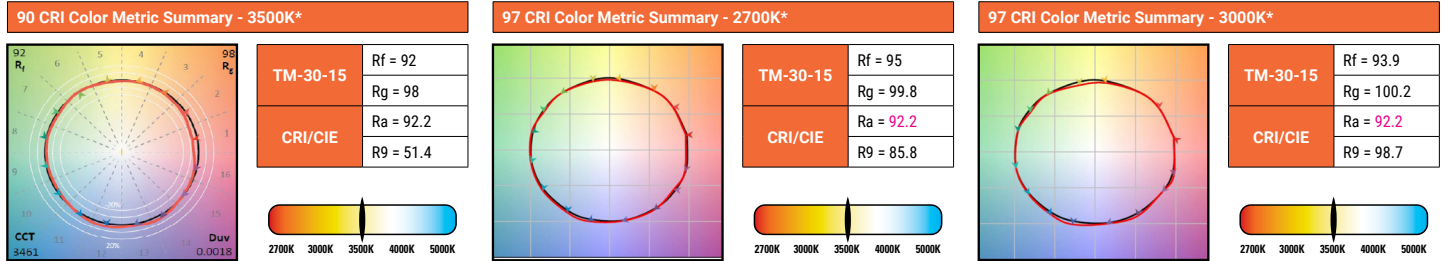
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

## Marked Spacing

| 6-inch Marked spacing for 90 and 97 CRI |     |     |   |
|-----------------------------------------|-----|-----|---|
| 4500-6000                               | 36" | 36" | 6 |
| 6500-9,000                              | 36" | 36" | 8 |

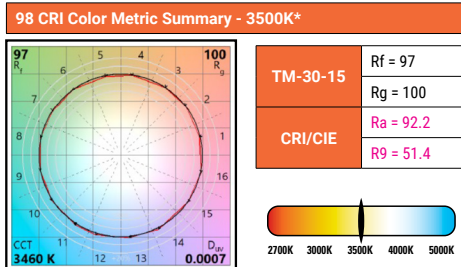


## COLOR METRICS - TM-30-15 & CRI/CIE



\* Color values are based on haze reflector, other finishes and field results may vary.

## COLOR METRICS - TM-30-15 & CRI/CIE



\* Color values are based on haze reflector, other finishes and field results may vary.

## Product Specifications

### Lower Shielding Reflector

- Self-flanged, spun .050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness.

### Trim Retention

- For sealed/medical and vandal resistant/high abuse bottom lens and bottom trim ring, the lower reflector is retained with (4) counter sunk screws.
- Sealed/Medical versions utilize Philips head screws. Vandal Resistant versions utilize Torx® T20 screws with center pin reject.
- Open Sealed/Medical reflector uses torsion springs.
- Bottom Trim Ring is standard anti-microbial matte white paint.

### LED

- High brightness LED's combined with a high reflectance upper reflector and convex lens for even distribution with no pixilation.
- Lumen output shall not decrease by more than 10% over the minimum life of 55,000 hours (L90 > 55,000 hours).
- Auto resetting, thermally protected, LED's turn off when safe operating temperatures exceeded.
- Color variation within 3-step MacAdam ellipses.
- Disconnect allows for tool-less replacement of LED engine from below ceiling.
- Available 80, 90, 97, or 98 CRI.

### Driver

- Combination 120-277V 0-10V or 120V trailing edge phase cut driver provides flicker free dimming from 100% to 10%.
- Optional for 1000-4000 lumens, 1% 0-10V, Fifth Light, or Lutron® Ecosystem. Driver can be serviced from above or through the aperture.

### Lenses

- All versions include a nonremovable upper lens, 0.060" thick frosted polycarbonate.
- Bottom lens is a single, smooth, acrylic or polycarbonate up to 0.250" thick.
- Bottom trim ring lens is acrylic, polycarbonate, or tempered glass up to .0250" total thickness.
- Additional lens options are available on page 8.
- Bottom polycarbonate lens IK10 impact resistant rated

### Code Compliance

- cULus listed for wet locations under covered ceiling standard.
- Non-IC rated insulation must be kept 3" from top and sides of housing.
- NSF/ANSI 2 certified for Splash/NonFood Zone. Typical rating for lighting equipment not subjected to direct food contact. This listing is only applicable with Sealed/Medical Open or Sealed/Medical Enclosed using Phillips head screws)
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277VAC

### Warranty

- 5 year limited warranty

View IES files

## Downlight Lens Guide



### Downlight Lens Guide

| Lens | Description                                 | BTR<br>Bottom Trim (BTR)<br>(Total Maximum<br>Lens Thickness is .375") | BL<br>Bottom Lens (BL)<br>(Single Smooth Acrylic or<br>Polycarbonate Lens Only) | Open |
|------|---------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|------|
| 80   | Acrylic, Prismatic Pattern 12, 0.125"       |                                                                        | N/A                                                                             | N/A  |
| 89AG | Acrylic, Prismatic Pattern 19, 0.156"       |                                                                        | N/A                                                                             | N/A  |
| 89BV | Acrylic, Smooth, Clear 0.125"               |                                                                        |                                                                                 | N/A  |
| 89BW | Acrylic, Smooth, Opal 0.125"                |                                                                        |                                                                                 | N/A  |
| 94   | Glass, Tempered, Smooth, Clear, 0.187"      |                                                                        | N/A                                                                             | N/A  |
| 89AH | Polycarbonate, Prismatic Pattern 12, 0.125" |                                                                        | N/A                                                                             | N/A  |
| 82   | Polycarbonate, Prismatic Pattern 12, 0.187" |                                                                        | N/A                                                                             | N/A  |
| 84   | Polycarbonate, Smooth, Clear 0.125"         |                                                                        | IK10                                                                            | N/A  |
| 85   | Polycarbonate, Smooth, Clear 0.187"         |                                                                        | IK10                                                                            | N/A  |
| 86   | Polycarbonate, Smooth, Clear 0.250"         |                                                                        | IK10                                                                            | N/A  |
| 87   | Polycarbonate, Smooth, Clear 0.375"         |                                                                        | IK10                                                                            | N/A  |
| 89AM | Polycarbonate, Smooth, Opal 0.125"          |                                                                        | IK10                                                                            | N/A  |

## Housing, Trim Compatibility and Listings Chart

| COMPATABILITY CHART        |                  |                            |                                 |                  |                            |                                 |
|----------------------------|------------------|----------------------------|---------------------------------|------------------|----------------------------|---------------------------------|
| SEALED/MEDICAL             |                  |                            | VANDAL RESISTANT/HIGH ABUSE     |                  |                            |                                 |
| DIAGRAM                    |                  |                            |                                 |                  |                            |                                 |
| Description                | OPEN             | ENCLOSED<br>BOTTOM<br>LENS | ENCLOSED<br>BOTTOM<br>TRIM RING | OPEN             | ENCLOSED<br>BOTTOM<br>LENS | ENCLOSED<br>BOTTOM<br>TRIM RING |
| Housing                    | FLD6C<br>FLD6CCP | FLD6CX, FLD6CXCP           |                                 | FLD6CX, FLD6CXCP |                            |                                 |
| Wet Location               | Standard         | Standard                   | Standard                        | Standard         | Standard                   | Standard                        |
| NSF                        | Standard         | Standard                   | Standard                        | Not Available    | Not Available              | Not Available                   |
| IP65/66                    | IP65 Standard    | *IP65 Available            | IP66 Standard                   | IP65 available   | *IP65 Available            | IP66 available                  |
| Class100/ISO               | Standard         | Not Available              | Standard                        | Standard w/IP65  | Not Available              | Standard w/IP66                 |
| Ceiling Cut-Out Dimensions | 5.688"- 6.325"   | 8.000"- 8.186"             | 8.000"- 8.186"                  | 8.000"- 8.186"   | 8.000"- 8.186"             | 8.000"- 8.186"                  |

IP65 & IP66 ratings are from the room-side only on all applications.

#### Sealed/Medical (Bottom Lens)

\*IP65 available. The sealed medical with bottom lens option is the IP65 compliant open reflector - with an attached bottom lens. During the IP65 test, no dust entered into the reflector from the bottom lens, but a miniscule amount of water did enter (on top of the bottom lens). However, no water can penetrate the upper reflector, and enter into the electrical - and there remains an impenetrable seal between the ceiling and the luminaire.  
For IP65, specify at end of logic. Ex: F6LCXSM1LIBL84/65

#### Sealed/Medical (Open & Bottom Trim Ring)

IP65 or IP66 is standard on open & enclosed bottom trim ring, no need to specify in the ordering logic.

#### Vandal Resistant/High Abuse (Open)

IP65 available  
For IP65, specify at end of logic. Ex: F6LCXVM1LI/65

#### Vandal Resistant/High Abuse (Bottom Lens)

\*IP65 available. The sealed medical with bottom lens option is the IP65 compliant open reflector - with an attached bottom lens. During the IP65 test, no dust entered into the reflector from the bottom lens, but a miniscule amount of water did enter (on top of the bottom lens). However, no water can penetrate the upper reflector, and enter into the electrical - and there remains an impenetrable seal between the ceiling and the luminaire.  
For IP65, specify at end of logic. Ex: F6LCXVM1LIBL85/65

#### Vandal Resistant/High Abuse (Bottom Trim Ring)

IP66 available  
For IP65, specify at end of logic. Ex: F6LCXVM1LIBTR86/66

# Proven Research. Industry Recognized.

# BioUp

Melanopic Lighting



See better



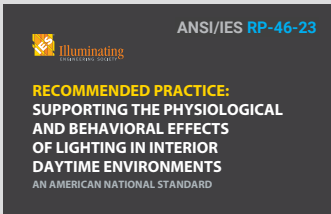
Feel better



Function better



See [BioUp brochure](#) for more details



ANSI/IES RP-46-23

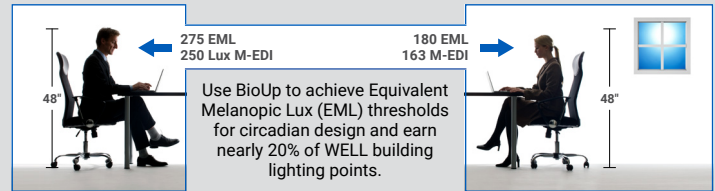
**RECOMMENDED PRACTICE:**  
SUPPORTING THE PHYSIOLOGICAL  
AND BEHAVIORAL EFFECTS  
OF LIGHTING IN INTERIOR  
DAYTIME ENVIRONMENTS  
AN AMERICAN NATIONAL STANDARD

ANSI/IES RP-46-23  
/ TM18 published  
March 2024 based  
on over 40 years of  
research.

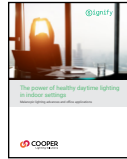
"...circadian clock synchronization is paramount to the body's efficient and appropriate functioning." – TM18



BioUp solutions maximize WELL points for Circadian Lighting Design (L03):



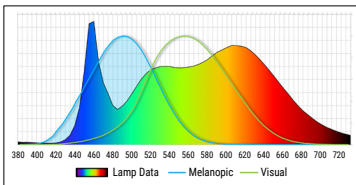
**MDER, M-EDI** and **EML** are key metrics used to quantify non-visual performance of indoor lighting systems.



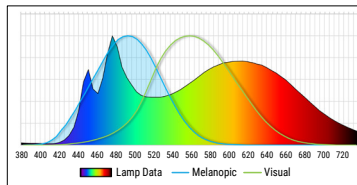
See [BioUp white paper](#) for more details

**MDER** - Melanopic Daylight Efficacy Ratio (MDER) measures the amount of light stimulating to the melanopsin receptors.

**Standard 4000K LED**  
MDER = .62



**BioUp 4000K LED**  
MDER = .82



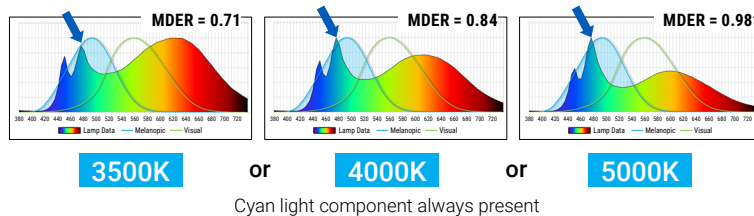
## 30% boost Biological impact compared to traditional LED sources

| CCT   | LED MDER ~83 CRI | BioUp Static |     | BioUp Dynamic |     |
|-------|------------------|--------------|-----|---------------|-----|
|       |                  | MDER         | CRI | MDER          | CRI |
| 2700K | 0.44             | —            | —   | 0.43          | 95  |
| 3000K | 0.49             | —            | —   | 0.54          | 94  |
| 3500K | 0.56             | 0.71         | 90  | 0.71          | 90  |
| 4000K | 0.64             | 0.84         | 87  | 0.82          | 87  |
| 5000K | 0.77             | 0.98         | 84  | 0.98          | 84  |

BioUp enhances the LED spectrum with cyan light at 475nm increasing the biological impact of the light to enhance our circadian rhythm which regulates our sleep/wake cycle, daytime engagement, and mood – **all without distorting visual color impression.**

### Static (non-tunable)

Static BioUp is used when simple Melanopic Lighting is desired at all times.



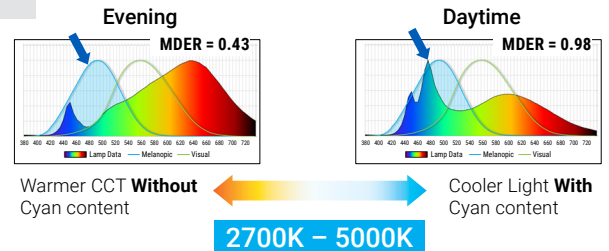
Dimming Control 0% Intensity 100%

> no CCT control needed

Arrow in graph shows BioUp spectrum boost is at 475nm where non-visual biological response is enhanced.

### Dynamic - (Tunable)

Dynamic BioUp is used when Melanopic Lighting is desired to adjust during the day.



Warmer CCT Without Cyan content

Cooler Light With Cyan content

2700K – 5000K

CCT Control warm 2700K Intensity 100% cool 5000K

Dimming Control 0% Intensity 100%

> Control with Wavelinx, 2ch 0-10V, or DALI