

# G5

## LINEAR LED LIGHT

### Recessed T-Grid | 2.5" Aperture | Direct

The G5 T-Grid is a Linear Architectural LED Light, designed to deliver direct lighting for a seamless ambiance. Our linear supports continuous runs, creating a unified lighting design that enhances the aesthetic of any environment. It is available in 5 lengths; 2, 4, 5, 6, and 8 feet. Also feature CCT and power switchable.

Applications: Art Galleries | Office | Retail Stores | Hospitality | Education

|              | DATE | QTY | ACC. QTY | TYPE |
|--------------|------|-----|----------|------|
| PROJECT      |      |     |          |      |
| PN           |      |     |          |      |
| ACCESSORY PN |      |     |          |      |
| NOTES        |      |     |          |      |



### DYNAMIC MENU

|                   |                         |
|-------------------|-------------------------|
| Order Information | <a href="#">Page 2</a>  |
| Dimensions        | <a href="#">Page 3</a>  |
| Accessories       | <a href="#">Page 6</a>  |
| Photometric Data  | <a href="#">Page 10</a> |

[Install Instruction link](#)

### SPECIFICATIONS

|                                |   |         |            |     |
|--------------------------------|---|---------|------------|-----|
| Input Voltage                  | 120-347V  |         |            |     |
| Power Factor                   | >0.9  |         |            |     |
| Total Harmonic Distortion      | <20%  |         |            |     |
| Dimming <a href="#">Page 3</a> | 0-10V dimming   |         |            |     |
| CRI                            | 80 CRI  |         |            |     |
| CCT                            | <span>30K</span> <span>35K</span> <span>40K</span> <span>50K</span> |         |            |     |
| Efficacy                       | ~110 lm/W   |         | 1100 lm/ft |     |
| Length                         | 2'  | 4' & 5' | 6'         | 8'  |
| Power                          | 20W   | 40W     | 50W        | 80W |
| Ambient Temperature Range      | -10°C to 40°C   |         |            |     |
| Mounting Options               | Recessed T-grid   |         |            |     |
| Fixture Finish                 | Black   White   |         |            |     |
| Optic                          | Polycarbonate lens  |         |            |     |



### PRODUCT FEATURES



### PRODUCT CERTIFICATIONS



Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified" [page 3](#)

### SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

### LUMEN MAINTENANCE – L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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### ORDERING GUIDE

|   |  |  |                     |  |  |  |  |
|---|--|--|---------------------|--|--|--|--|
| <b>AE-SF-G5CA</b>   |  |  | <b>010</b>          |  | <b>-R</b>                                |  |  |
| <b>AE-SF-G5CA</b><br>ERALUX G5 Linear Architectural Fixture<br>120-347V input voltage | <b>4   40</b><br>4ft   40W   4,200lm<br><b>5   40</b><br>5ft   40W   4,200lm<br><b>6   50</b><br>6ft   40W   6,000lm<br><b>8   70</b><br>8ft   70W   8,400lm<br><b>C</b><br>Continuous length increment of 1ft (Select or type the length then click on 'C') | <b>30/35/40<sup>1</sup></b><br>3000/3500/4000K selectable<br><b>30/40/50</b><br>3000/4000/5000K selectable | <b>010</b><br>0-10V | <b>WH-GB</b><br>White<br><b>BK-GB</b><br>Black | <b>-R</b><br>Recessed mounted on T-grids | <b>A</b><br>Stand alone<br><b>B</b><br>Starter & ender<br><b>C</b><br>Middle | <b>[BLANK]</b><br>No option<br><b>LDE1<sup>2</sup></b><br>Fade-to-Black down to 1%<br><b>EMBB<sup>3</sup></b><br>Emergency battery backup<br><b>1DIM<sup>4</sup></b><br>1% Dimming |

|                       |                       |            |                |               |                 |             |               |
|-----------------------|-----------------------|------------|----------------|---------------|-----------------|-------------|---------------|
| <b>Fixture Family</b> | <b>Length   Power</b> | <b>CCT</b> | <b>Control</b> | <b>Finish</b> | <b>Mounting</b> | <b>Type</b> | <b>Option</b> |
|-----------------------|-----------------------|------------|----------------|---------------|-----------------|-------------|---------------|

#### NOTES

1. Default CCT setting is 3500K but can be changed upon request before shipping.
2. LDE1 is a Lutron Hi-lume EcoSystem driver with Soft-on, it requires color selection, if not the default CCT is 3500K.
3. EMBB option available in 120-277V only.
4. 1DIM available only in 120-277V, it works for 4,5,6,8 FT



### ORDERING GUIDE – TRIAC Dimming

|  |  |  |                              |  |
|--|--|--|------------------------------|--|
| <b>AE-SF-G5CA</b>                      |  |  | <b>-TRI</b>                  |  |
| ERALUX G5 Linear Architectural Fixture | <b>4   40</b><br>4ft   40W   4,250lm<br><b>8   80</b><br>8ft   80W   9,600lm | <b>30</b><br>3000K<br><b>35</b><br>3500K<br><b>40</b><br>4000K | <b>-TRI</b><br>TRIAC Dimming | <b>-WH-GB</b><br>White<br><b>-BK-GB</b><br>Black |

|                       |                       |            |                 |               |
|-----------------------|-----------------------|------------|-----------------|---------------|
| <b>Fixture Family</b> | <b>Length   Power</b> | <b>CCT</b> | <b>Controls</b> | <b>Finish</b> |
|-----------------------|-----------------------|------------|-----------------|---------------|

#### NOTES

TRIAC Dimming fixtures are not power & CCT switchable.

#### CAUTION:

- If there are multiple fixtures connected to the same 0-10V dimming line, a 0-10V controller must be considered to enable consistent dimming across the fixtures. Failure to do so will lead to inconsistent dimming and behaviors in the fixtures. Single switch is not recommended for controlling multiple fixtures simultaneously.
- Maximum of 300W per electrical drop.

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### LUMEN OUTPUT

| LENGTH | EFFICACY                      | OUTPUT POWER              |               |
|--------|-------------------------------|---------------------------|---------------|
| 2FT    | Avg<br>110 lm/w<br>1100 lm/ft | 15/20 watts witchable     | 15W   1650 lm |
|        |                               |                           | 20W   2200 lm |
| 4FT    |                               | 30/40 watts switchable    | 30W   3300 lm |
|        |                               |                           | 40W   4400 lm |
| 5FT    |                               | 30/40 watts switchable    | 30W   3300 lm |
|        |                               |                           | 40W   4400 lm |
| 6FT    |                               | 35/50/60 watts switchable | 35W   3850 lm |
|        |                               |                           | 50W   5500 lm |
|        | 60W   6600 lm                 |                           |               |
| 8FT    | 60/80 watts switchable        | 60W   6600 lm             |               |
|        |                               | 80W   8800 lm             |               |

### DLC MODEL



| DLC MODEL                     | PRODUCT ID |
|-------------------------------|------------|
| AE-SF-G5CA22030-35-40010YY-GB | S-JTCRUD   |
| AE-SF-G5CA44030-35-40010YY-GB | S-ACNDT2   |
| AE-SF-G5CA87030-35-40010YY-GB | S-09HDJM   |

### DIMMER COMPATIBILITY LIST

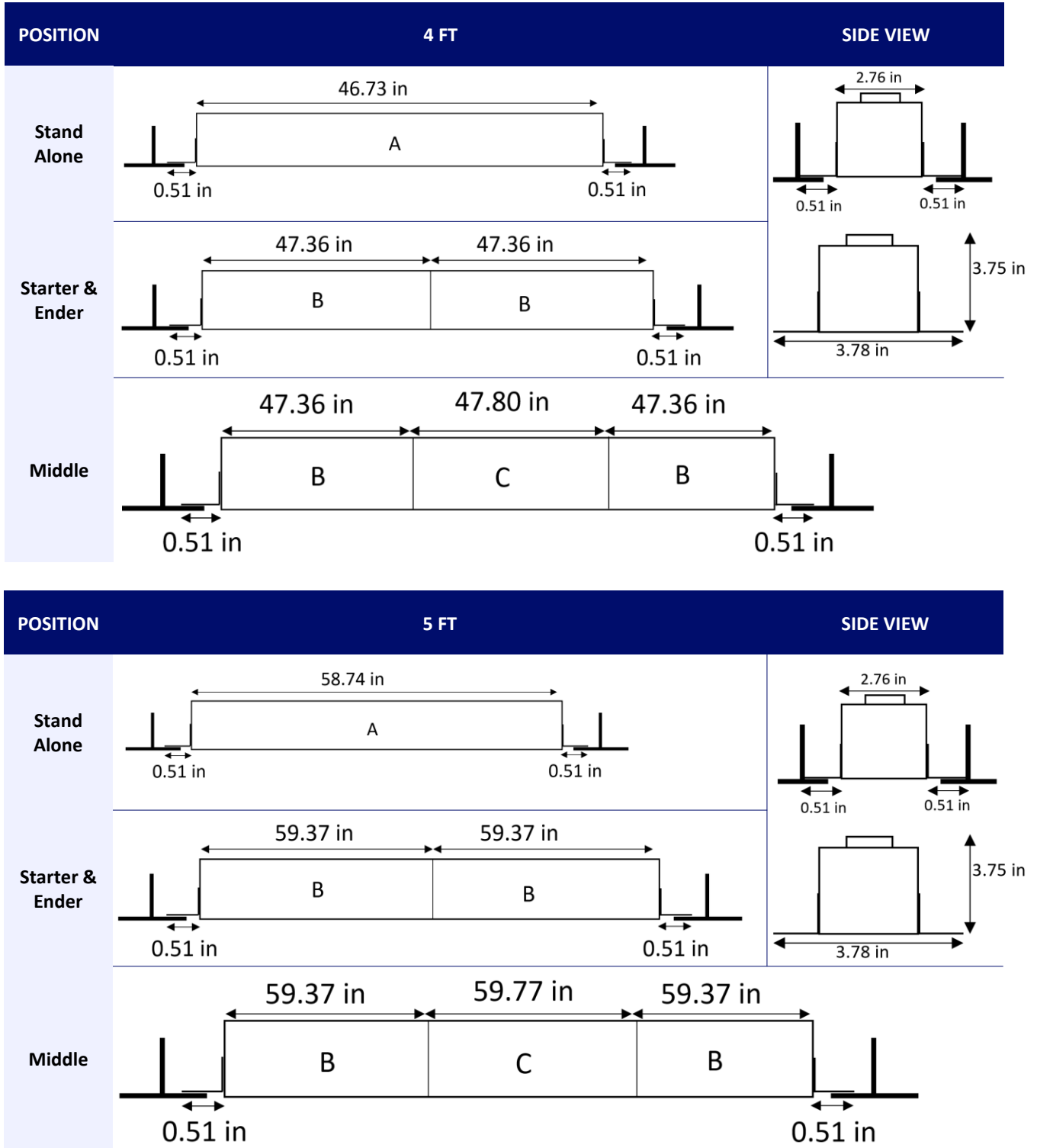
0-10V Dimming

| BRAND   | MODEL     | BRAND   | MODEL       |
|---------|-----------|---------|-------------|
| LEVITON | IP710-LFZ | LEGRAND | RH4FBL3PTC  |
|         | DS710     | EATON   | WBSD-010SLD |
| LUTRON  | DVS7V-WH  | HUBBLE  | LHDIRS3N    |
|         | MS-Z101   |         |             |

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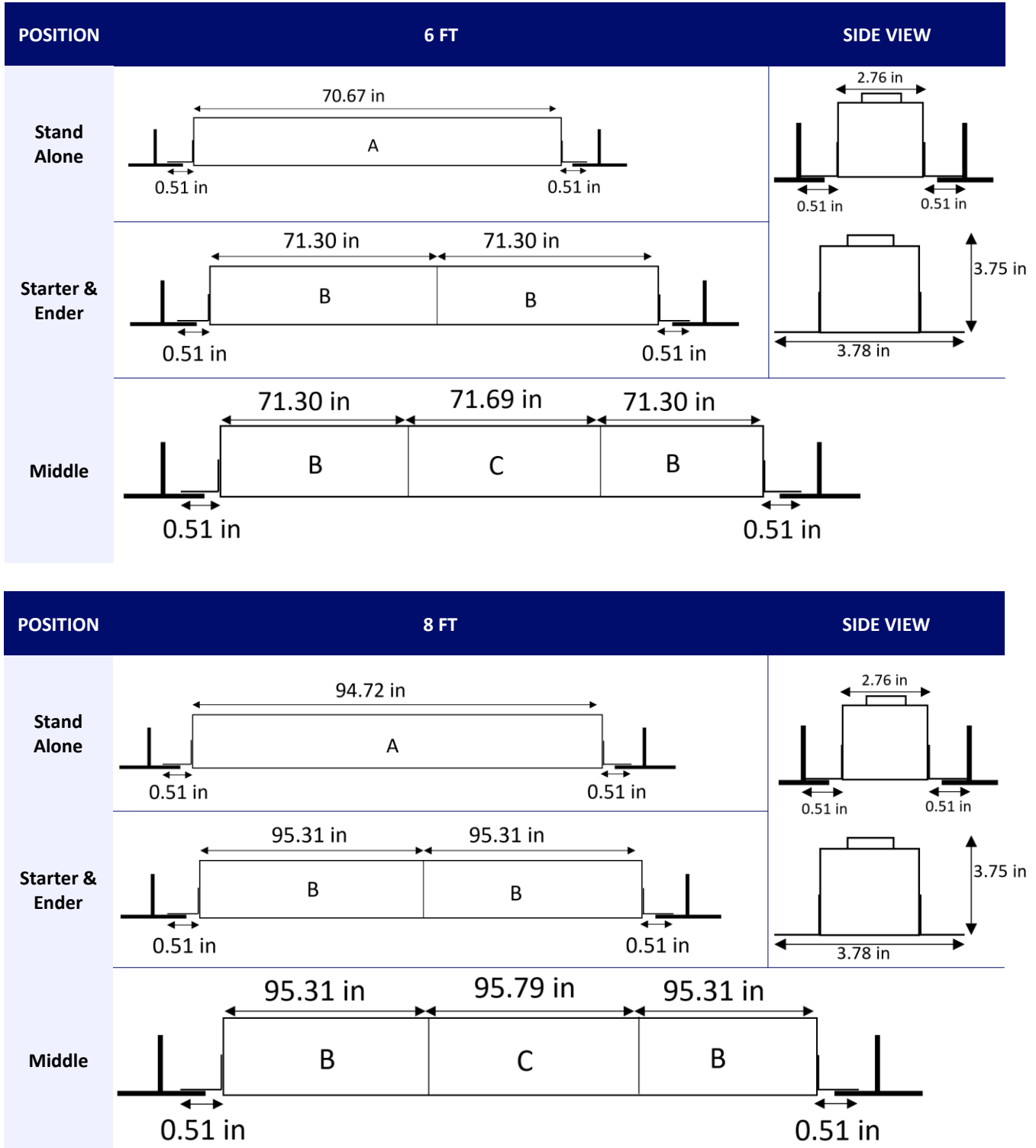
### DIMENSIONS



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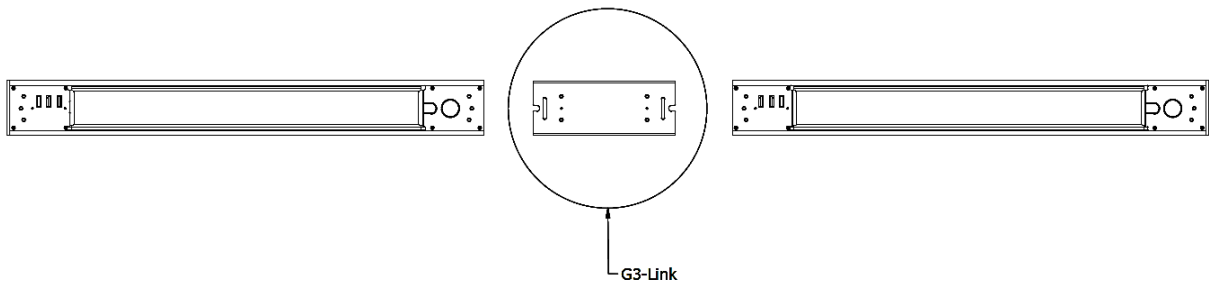
### ACCESSORIES

Ordered separately if needed

#### POWER CORD

| ORDER CODE   | DESCRIPTION  | PICTURE |
|--|--|---------|
| AE-SF-PWRCORD-WH-18FT<br>AE-SF-PWRCORD-BK-18FT       | 18' white / black power cord with 120-277V input voltage |         |
| AE-SF-PWRCORD-HV-WH-18FT<br>AE-SF-PWRCORD-HV-BK-18FT | 18' white / black power cord with 120-347V input voltage |         |

### For Continuous Run



#### G3-LINK

| ORDER CODE    | DESCRIPTION   |
|---------------|---|
| AE-SF-G3-LINK | Seamless mechanical connection for continuous runs<br>Preventing Light Leakage<br>Easy installation |

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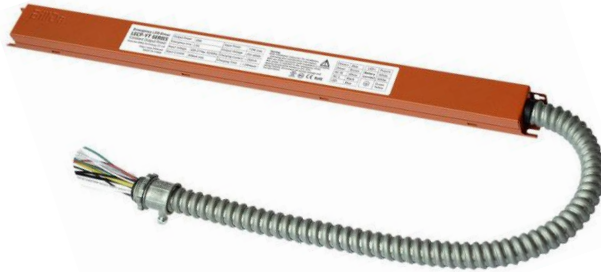
Recessed T-Grid | 2.5" Aperture | Direct

### CONTROLS

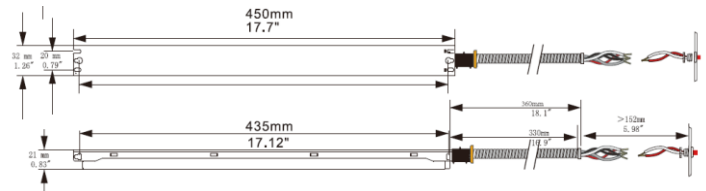
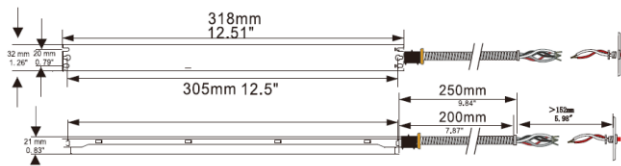
#### EMERGENCY LED DRIVER (BLD-YTXXD-XXX)

BLD-YT08D-XXX

BLD-YT15D-XXX



The BLD-YTXXD-XXX series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 8 or 15W constant power at 30-60VDC. Its slim shape is ideal for use in linear LED lighting fixtures.



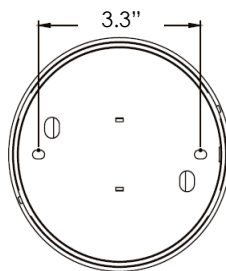
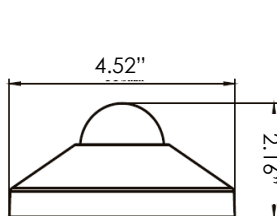
| SPECIFICATIONS      |               |
|---------------------|---------------|
| Input Voltage       | 30-60VDC      |
| Power Frequency     | 50/60HZ       |
| Output Voltage      | 30-60VDC      |
| Output Power        | 8W   15W      |
| Ambient Temperature | 0°C to 50°C   |
|                     | 30°F to 122°F |
| Installation        | Integrated    |

### ROOM OCCUPANCY SENSOR

Ordered separately, field installed

| PART NUMBER | DESCRIPTION                     |
|-------------|---------------------------------|
| AE-CT-DT806 | Detecta - Room Occupancy Sensor |
| RC102       | RC102 Remote Control            |

| SPECIFICATIONS  |                    |
|-----------------|--------------------|
| Input Voltage   | 120-277 Vac        |
| Power Frequency | 50/60HZ            |
| Rated Load      | At 120 Vac   800W  |
|                 | At 277 Vac   1200W |
| Detection Range | 3-10 Meters        |
|                 | 9.8- 32.8 Feet     |
| Standby Power   | ~0.9W              |
| Time Setting    | 10 sec to 30 min   |
| Light Control   | 10-2,000LUX        |
| Installation    | Ceiling Mounted    |



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### LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

#### LUMEN ESTIMATE ADJUSTMENT FACTORS

| CCT             | 3000K | 3500K | 4000K | 5000K |
|-----------------|-------|-------|-------|-------|
| PREMIUM (90CRI) | 0.94  | 0.97  | 1     | 1.03  |

### PHOTOMETRIC DATA

| PART NUMBER   |       | ZONAL LUMEN SUMMARY |         |           | POLAR LUMINOUS INTENSITY | CONE DISTRIBUTION  |         |            |         |
|---------------|-------|---------------------|---------|-----------|--------------------------|--|---------|------------|---------|
| AE-SF-G5CA440 |       | Zone                | Lumens  | % Fixture | Direct Light             | Center Beam Fc   |         | Beam Width |         |
| Wattage       | 40W   | 0-20°               | 525.87  | 12.9      |                          | 1.7ft  | 500 fc  | 5.0 ft     | 4.8 ft  |
| CCT           | 4000K | 0-30°               | 1112.9  | 27.2      |                          | 3.3ft  | 133 fc  | 9.7 ft     | 9.3 ft  |
| Distribution  | 120°  | 0-40°               | 1816.72 | 44.4      |                          | 5.0ft  | 57.8 fc | 14.8 ft    | 14.0 ft |
| Length        | 4ft   | 0-60°               | 3194.96 | 78.1      |                          | 6.7ft  | 32.2 fc | 19.8 ft    | 18.8 ft |
|               |       | 0-80°               | 3971.71 | 97.1      |                          | 8.3ft  | 21 fc   | 24.5 ft    | 23.3 ft |
|               |       | 0-90°               | 4043.77 | 98.9      | 10.0ft                   | 14.4 fc  | 29.5 ft | 28.1 ft    |         |
|               |       |                     |         |           |                          | <span style="color: blue;">■</span> Vert. Spread: 111.7°<br><span style="color: red;">■</span> Horiz. Spread: 109.1° |         |            |         |

| PART NUMBER   |       | ZONAL LUMEN SUMMARY |         |           | POLAR LUMINOUS INTENSITY | CONE DISTRIBUTION  |         |            |         |
|---------------|-------|---------------------|---------|-----------|--------------------------|--|---------|------------|---------|
| AE-SF-G5CA650 |       | Zone                | Lumens  | % Fixture | Direct Light             | Center Beam Fc   |         | Beam Width |         |
| Wattage       | 50W   | 0-20°               | 751.25  | 12.9      |                          | 1.7ft  | 714 fc  | 5.0 ft     | 4.8 ft  |
| CCT           | 4000K | 0-30°               | 1589.85 | 27.2      |                          | 3.3ft  | 189 fc  | 9.7 ft     | 9.3 ft  |
| Distribution  | 120°  | 0-40°               | 2595.32 | 44.4      |                          | 5.0ft  | 82.5 fc | 14.8 ft    | 14.0 ft |
| Length        | 6ft   | 0-60°               | 4564.23 | 78.1      |                          | 6.7ft  | 46 fc   | 19.8 ft    | 18.8 ft |
|               |       | 0-80°               | 5673.88 | 97.1      |                          | 8.3ft  | 29.9 fc | 24.5 ft    | 23.3 ft |
|               |       | 0-90°               | 5776.82 | 98.9      | 10.0ft                   | 20.6 fc  | 29.5 ft | 28.1 ft    |         |
|               |       |                     |         |           |                          | <span style="color: blue;">■</span> Vert. Spread: 111.7°<br><span style="color: red;">■</span> Horiz. Spread: 109.1° |         |            |         |

| PART NUMBER   |       | ZONAL LUMEN SUMMARY |         |           | POLAR LUMINOUS INTENSITY | CONE DISTRIBUTION  |         |            |         |
|---------------|-------|---------------------|---------|-----------|--------------------------|--|---------|------------|---------|
| AE-SF-G5CA870 |       | Zone                | Lumens  | % Fixture | Direct Light             | Center Beam Fc   |         | Beam Width |         |
| Wattage       | 70W   | 0-20°               | 981.56  | 12.90     |                          | 1.7ft  | 933 fc  | 5.0 ft     | 4.8 ft  |
| CCT           | 4000K | 0-30°               | 2077.26 | 27.20     |                          | 3.3ft  | 248 fc  | 9.7 ft     | 9.3 ft  |
| Distribution  | 120°  | 0-40°               | 3390.97 | 44.40     |                          | 5.0ft  | 108 fc  | 14.8 ft    | 14.0 ft |
| Length        | 8ft   | 0-60°               | 5963.5  | 78.10     |                          | 6.7ft  | 60 fc   | 19.8 ft    | 18.8 ft |
|               |       | 0-80°               | 7413.33 | 97.10     |                          | 8.3ft  | 39.1 fc | 24.5 ft    | 23.3 ft |
|               |       | 0-90°               | 7547.83 | 98.90     | 10.0ft                   | 27 fc  | 29.5 ft | 28.1 ft    |         |
|               |       |                     |         |           |                          | <span style="color: blue;">■</span> Vert. Spread: 111.7°<br><span style="color: red;">■</span> Horiz. Spread: 109.1° |         |            |         |



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### OVERVIEW



#### Innovative Design

- Extruded aluminum housing for better heat dissipation.
- Highly durable polycarbonate and high transmittance lens.



#### Multiple Options

- Four standard length available; 4, 5, 6, & 8ft.
- Three CCT switchable and power tunable.
- Black, white, silver, & gun powder finishes.

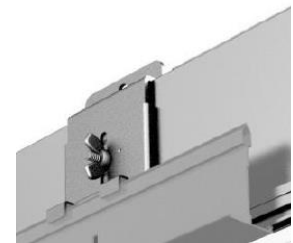


Emergency backup battery



#### Mountings Available

- Suspended (refer to the suspended spec sheet)
- Wall mount (refer to the wall mount spec sheet)
- Surface mount (refer to the surface mount spec sheet)
- Recessed T-grid



#### Features

- 1% dimming option
- Lutron Hi-lume Ecosystem driver with Soft-on



#### Tests And Certifications

