# LED COMMERCIAL

ILP

"Your Number One Source
For Energy Efficient Lighting"

INDUSTRIAL LIGHTING PRODUCTS • ASSEMBLED IN THE U.S.A.

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# EasySense Compatible Product Guide

## Specifications:

### LANCE - Latch And Close

**Applications** 7-9

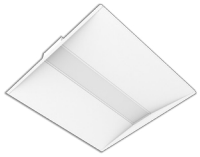
- 1x4
- 2x2
- 2x4
- Parabolic Louvers
- Prismatic Lenses

### FLT & FLTR - Recessed Troffer

**Applications** 10-12 / 18-20

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Custom LANCE



**Applications** 13

- Offices
- Schools
- Retail

### VOLA - Volumetric Troffer

**Applications** 15-17

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### FF - Low Profile LED Strip

**Applications** 21

- Schools
- Offices
- Bathrooms
- Hallways

### FZ & RZ - Low Profile Strip & Retrofit

**Applications** 22-25

- Schools
- Warehouses
- Distribution Centers
- Retail Applications
- Manufacturing Facilities
- Hallways

### SQ - Curved Wrap

**Applications** 28

- Schools
- Offices
- Multi-Purpose Rooms
- Conference Rooms
- Manufacturing Facilities
- Hallways

### FWS - Shallow Wrap

**Applications** 29

- Offices
- Hallways
- Multipurpose Rooms
- Work Station Task Lighting

# Controls Made Easy

Ideal solution for dramatically improving energy savings in commercial, educational, retail, and office environments with all the controls in the palm of your hand. The combination occupancy and daylight harvesting sensor is controlled via cell phone App enabling the user to easily create groups, setup zones, adjust maximum light output, hold time after motion detection, background light levels, prolonged time at background light levels, fade time between occupied and background light levels, and adjust ECO light levels. There is no commission, annual maintenance plan purchases, or scheduled technician visits required. Simply order the desired fixture with this feature pre-installed, download the App, and start taking control of your lighting environment today!

## Features / Benefits

- Compact Occupancy / Daylight Harvesting In One Device
- Create Groups & Setup Zones
- Enabled App Allows You Complete Control Over:
  - Turning On / Off Occupancy And / Or Daylight Functions
  - Setting Maximum Lumen Output (100% - 5%)
  - Eco On Level (100% - 5%)
  - Hold Time Once Motion Is Detected (1 - 120 minutes)
  - Background Light Level When Space Is Unoccupied (100% - 5%)
  - Length Of Time Dimming From On To Background (0 - 25 Sec.)
  - Prolong Amount Of Time Background Level Lasts. (0 - ∞ minutes)
- Time To On / Off Light Levels At 0.7 Seconds
- Easily Controlled Via IR Enabled Android Smart Phone / Tablet
- Saved Program Profiles Allows For Easy Commissioning Of Multiple Zones
- Control Up To (4) Fixtures Per One Control
- Complies With Title 20 And Title 24 Requirements

## Available With:

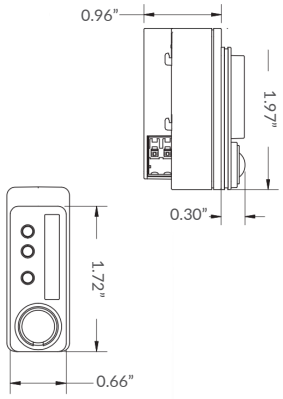
- FF
- FLT
- FLTR
- FWS
- FZ
- LANCE
- RZ
- SQ
- VOLA

## Compatible Cell Phones:

- LG G4
- Samsung S4 mini
- Samsung S4
- Samsung S5
- Samsung S6
- Samsung Note 4
- Samsung Note Edge 1

# Product Specifications

## Dimensions




## EasySense Overview

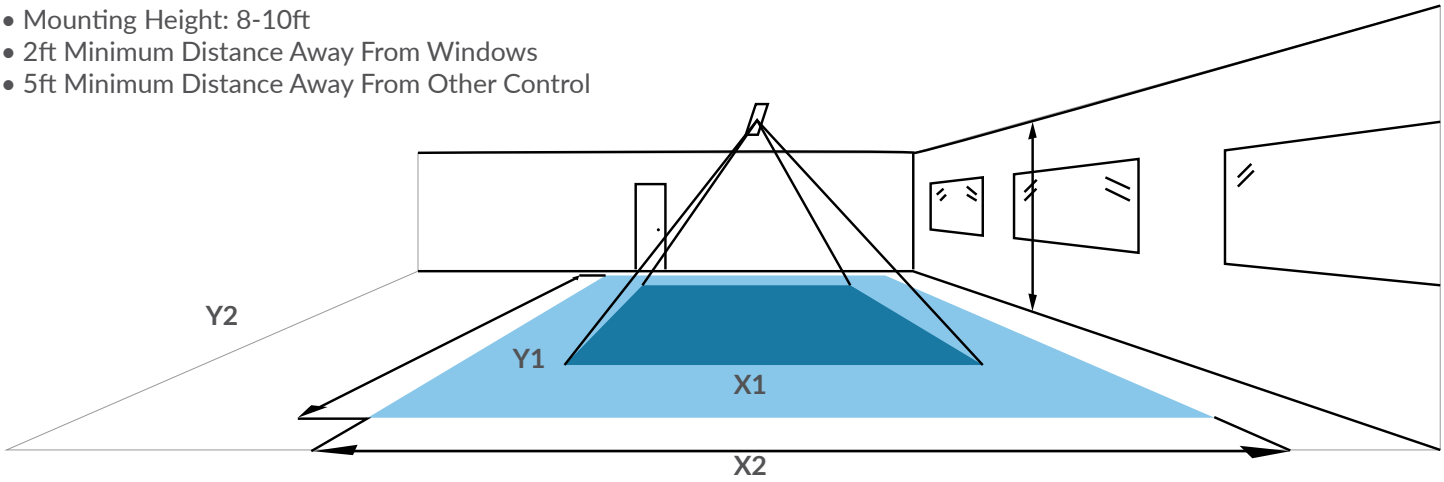
## LED Indicator Lights

Yellow LED On=
Vacancy & Sensor Is Functional

Red LED On=
Motion Is Detected And Hold Time Is Not Expired Yet

## Installation Recommendations:

- Mounting Height: 8-10ft
- 2ft Minimum Distance Away From Windows
- 5ft Minimum Distance Away From Other Control

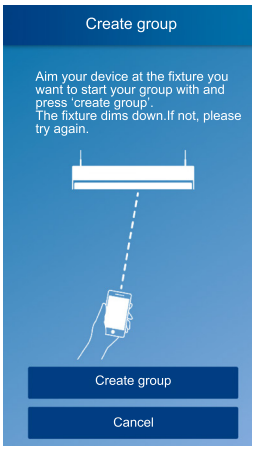


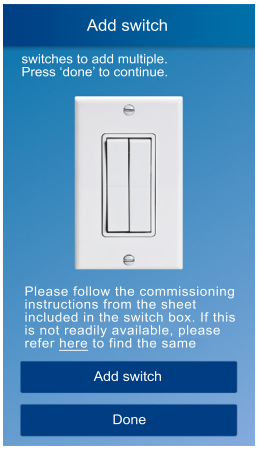

When installed in a typical office ceiling H, the sensor is sensitive to minor movements within X1 by Y1 area. It will cover minor movements down to a few centimeters at the task area of a desk and is sensitive to major movements within a range of X2 by Y2.

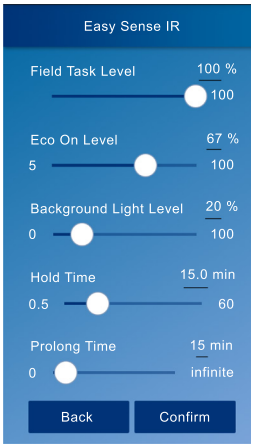
## EasySense App Configuration

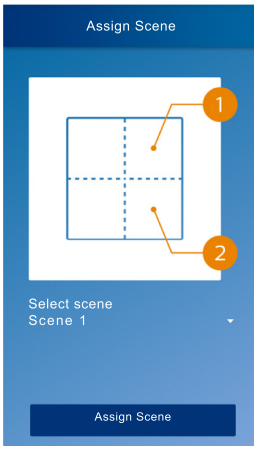
### Program Steps

1. Create Your Group
2. Add Wireless Wall Switch
3. Close Group
4. Configure Group Performance
5. Program Group
6. Relax & Enjoy



# RETROFIT

## BOB - Bolt On Board

### Specifications:

- LED Board And Driver Kits For Recessed Lighting Applications
- ETL Listed LED Retrofit Kit (UL1598C) For 2x2, 2x4, & 1x4 Troffers
- 3000K, 3500K, 4000K, & 5000K Color Options
- Diffuse Light With Optional Frosted Sheet (Contact Factory)
- Multiple Light Outputs
- 0-10V Dimmable Driver (100% - 5%)
- Philips LED Boards
- 5 Yr. Warranty
- All Necessary Hardware Included:
    - Ballast Disconnect
    - Self Tapping Screws
    - Jumper Wires
    - Power Wires
    - Ground Wires
    - Wire Nuts
    - Ground And Rating Labels
- DesignLights Consortium™ Qualified Luminaire

### Applications

- 2x2's
- 2x4's
- 1x4's
- Parabolic Louvers
- Prismatic Louvers

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| BOB-24WLED-2BD-UNIV-4000K | 24 | 2,165 | 89 | >100 | >80 |
| BOB-24WLED-3BD-UNIV-4000K | 23 | 2,406 | 103 | >100 | >80 |
| BOB-30WLED-3BD-UNIV-4000K | 29 | 2,943 | 99 | >100 | >80 |
| BOB-30WLED-4BD-UNIV-4000K | 29 | 2,910 | 98 | >100 | >80 |
| BOB-36WLED-4BD-UNIV-4000K | 35 | 3,354 | 94 | >100 | >80 |
| BOB-42WLED-4BD-UNIV-4000K | 41 | 4,166 | 100 | >100 | >80 |
| BOB-60WLED-6BD-UNIV-4000K | 59 | 5,962 | 101 | >100 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

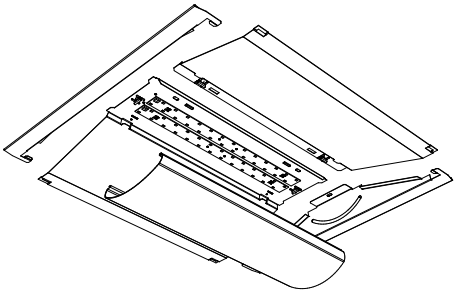
| | |
|---|---|
| **ADH** | Factory Installed Adhesive |
| **PW** | Pre-Wired And Assembled Kit From Factory |
| **ILBCP05** | 5W LED Field Wired Battery Backup |
| **ILBCP07** | 7W LED Field Wired Battery Backup |
| **ILBCP10** | 10W LED Field Wired Battery Backup |
| **ILBCP12** | 12W LED Field Wired Battery Backup |

# RETROFIT

## BIF - Built In Frame

### Specifications:

- Upgrade Any 2x2 or 2x4 Fluorescent Troffer To LED With Modern Architectural Styling
- 24 LEDs Per Module Spaced 3/4 Inch Apart Results In Low Pixilation
- No Tools Required For Easy Installation Into The Existing Fixture Housing
- Average Install Time: 5 Minutes
- 0-10V Dimmable Driver (100% - 5%)
- Available In 4000K
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire



### Applications

- 2x2's
- 2x4's
- Parabolic Louvers
- Prismatic Louvers

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| BIF22-25WLED-UNIV-40 | 24 | 2,760 | 115 | >100 | >80 |
| BIF22-30WLED-UNIV-40 | 30 | 3,600 | 120 | >100 | >80 |
| BIF24-30WLED-UNIV-40 | 30 | 3,600 | 120 | >100 | >80 |
| BIF24-37WLED-UNIV-40 | 36 | 4,500 | 125 | >100 | >80 |
| BIF24-43WLED-UNIV-40 | 44 | 5,160 | 117 | >100 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **ILBCP05** | 5W LED Field Wired Battery Backup |
| **ILBCP07** | 7W LED Field Wired Battery Backup |
| **ILBCP10** | 10W LED Field Wired Battery Backup |
| **ILBCP12** | 12W LED Field Wired Battery Backup |

# RETROFIT

## LANCE 1x4 - Latch And Close

### Specifications:

- LED Retrofit Kit For Recessed Lighting Applications
- One-Piece Unit With Two Universal Mounting Brackets
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Multiple Lumen Outputs Available
- 3000K, 3500K, 4000K, And 5000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Philips Light Engines
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- 1x4
- Parabolic Louvers
- Prismatic Lenses

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| LANCE14-13WLED-UNIV-40 | 13 | 1,579 | 116 | >100K | >80 | |
| LANCE14-22WLED-UNIV-40 | 22 | 2,705 | 122 | >100K | >80 | • |
| LANCE14-30WLED-UNIV-40 | 30 | 3,545 | 118 | >100K | >80 | • |
| LANCE14-35WLED-UNIV-40 | 35 | 4,042 | 114 | >100K | >80 | • |
| LANCE14-42WLED-UNIV-40 | 42 | 4,765 | 112 | >100K | >80 | • |
| LANCE14-52WLED-UNIV-40 | 52 | 6,215 | 120 | >100K | >80 | • |
| LANCE14-59WLED-UNIV-40 | 59 | 6,904 | 117 | >100K | >80 | • |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

## LANCE 2x2 - Latch And Close

### Specifications:

- LED Retrofit Kit For Recessed Lighting Applications
- One-Piece Unit With Two Universal Mounting Brackets
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Multiple Lumen Outputs Available
- 3000K, 3500K, 4000K, And 5000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Philips Light Engines
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- 2x2
- Parabolic Louvers
- Prismatic Lenses

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| LANCE22-16WLED-UNIV-40 | 16 | 1,884 | 112 | >100K | >80 | |
| LANCE22-22WLED-UNIV-40 | 22 | 2,572 | 116 | >100K | >80 | • |
| LANCE22-30WLED-UNIV-40 | 30 | 3,261 | 108 | >100K | >80 | |
| LANCE22-35WLED-UNIV-40 | 35 | 3,650 | 105 | >100K | >80 | |
| LANCE22-42WLED-UNIV-40 | 42 | 4,766 | 112 | >100K | >80 | • |
| LANCE22-52WLED-UNIV-40 | 52 | 6,128 | 117 | >100K | >80 | • |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

# RETROFIT

## LANCE 2x4 - Latch And Close

### Specifications:

- LED Retrofit Kit For Recessed Lighting Applications
- One-Piece Unit With Two Universal Mounting Brackets
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Multiple Lumen Outputs Available
- 3000K, 3500K, 4000K, And 5000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Philips Light Engines
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- 2x4
- Parabolic Louvers
- Prismatic Lenses

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| LANCE24-22WLED-UNIV-40 | 22 | 2,950 | 123 | >100K | >80 | |
| LANCE24-30WLED-UNIV-40 | 30 | 3,756 | 125 | >100K | >80 | • |
| LANCE24-35WLED-UNIV-40 | 35 | 4,256 | 121 | >100K | >80 | • |
| LANCE24-42WLED-UNIV-40 | 42 | 4,960 | 116 | >100K | >80 | • |
| LANCE24-52WLED-UNIV-40 | 52 | 6,454 | 121 | >100K | >80 | • |
| LANCE24-59WLED-UNIV-40 | 59 | 7,265 | 123 | >100K | >80 | • |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

## FLTR - 1x4 Flat Lens Troffer Retrofit

### Specifications:

- Architectural Design
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging From 19W-45W
- Universal Voltage
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Premium Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLTR14-19WLED-UNIV-40 | 19 | 2,341 | 125 | >100 | >80 |
| FLTR14-30WLED-UNIV-40 | 30 | 3,609 | 120 | >100 | >80 |
| FLTR14-45WLED-UNIV-40 | 45 | 5,137 | 114 | >100 | >80 |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

# RETROFIT

## FLTR - 2x2 Flat Lens Troffer Retrofit

### Specifications:

- Architectural Design
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging 19W-45W
- Universal Voltage
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Premium Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLTR22-19WLED-UNIV-40 | 19 | 2,217 | 118 | >100 | >80 |
| FLTR22-30WLED-UNIV-40 | 30 | 3,385 | 113 | >100 | >80 |
| FLTR22-45WLED-UNIV-40 | 45 | 4,735 | 107 | >100 | >80 |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

## FLTR - 2x4 Flat Lens Troffer Retrofit

### Specifications:

- Architectural Design
- Universal Brackets Allow For Install In Grid Or Hard Lid Ceilings
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging From 26W-45W
- Universal Voltage
- 5 Yr. Warranty
- Average Install Time: Less Than 3 Minutes
- DesignLights Consortium™ Premium Qualified Luminaire

**ILP Recommends A Test Install Be Performed Prior To Placing Order**

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLTR24-26WLED-UNIV-40 | 26 | 3,244 | 126 | >100 | >80 |
| FLTR24-35WLED-UNIV-40 | 35 | 4,217 | 121 | >100 | >80 |
| FLTR24-45WLED-UNIV-40 | 45 | 5,174 | 115 | >100 | >80 |

**Lm/W = Lumens Per Watt**

### Options

#### Accessories

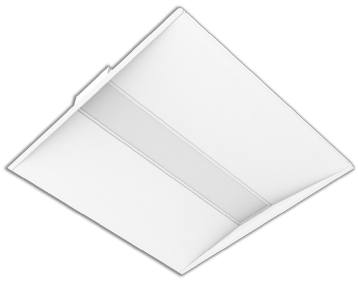
| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 374V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

# RETROFIT

## Custom Recessed Retrofit Kit



*2x2 FLTR (No Rails)*

*2x4 LANCE (Air Handling)*

### Specifications:

- LED Retrofit Kit For Recessed Lighting Applications
- Replaces Parabolics, Lensed Door Frames, & Air Handling Units w/ One Piece.
- Custom Kit Designed Per Application
- 1x4, 2x2, & 2x4 Retrofit Solutions
- Volumetric Or Flat Lens Options
- Pre-Painted Aluminum (Std.)
- Postpaint Option Available
- Connected Controls
  - EasySense
  - Enlighted
  - Magnum
- Battery Backup Options
- Bi-Level Dim Options
- Tool-less Access To Driver
- ETL Listed
- 5 Year Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Office Buildings
- Schools
- Retail

### Applications

- 13W - 59W (1,679lm - 7,265lm)

### Process

*1) Fill Out Form*

*2) Send Door Frame and/or Fixture to be Molded*

Job Name:_____ Qty of Fixtures:_____

Distributor/REP:_____ Phone Number:_____

Fixture Dimensions: Length:_____ Width:_____ Depth:_____

Parabolic Dimensions: Length:_____ Width:_____ Depth:_____

When will a sample fixture and/or parabolic be sent to the factory?_____

Desired Wattage:_____ Color Temperature:_____ Voltage:_____

Desired Lumens:_____ Sensor:_____ Dimming:_____

Air Handling: ☐ Picture of Housing: ☐

# TROFFER

## VOL - Volumetric Troffer

### Specifications:

- Architectural Design
- Steel Housing
- White Powder Coat Finish
- 91% White Reflector
- Polycarbonate Frosted Lens
- 3500K & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| VOL22-24WLED-UNIV-35 | 24 | 2,210 | 93 | >100K | >80 |
| VOL22-24WLED-UNIV-40 | 24 | 2,292 | 96 | >100K | >80 |
| VOL22-36WLED-UNIV-35 | 36 | 3,440 | 96 | >100K | >80 |
| VOL22-36WLED-UNIV-40 | 36 | 3,510 | 98 | >100K | >80 |
| VOL24-30WLED-UNIV-35 | 30 | 3,300 | 110 | >100K | >80 |
| VOL24-30WLED-UNIV-40 | 30 | 3,470 | 116 | >100K | >80 |
| VOL24-42WLED-UNIV-35 | 42 | 4,389 | 105 | >100K | >80 |
| VOL24-42WLED-UNIV-40 | 42 | 4,410 | 105 | >100K | >80 |
| VOL24-68WLED-UNIV-40 | 68 | 6,804 | 101 | >100K | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **WHIP/6FT** | 6ft MC Cable Whip w/ 3 Leads |
| **WHIP/6FT/4WIRE** | 6ft 4 Wire MC Cable Whip w/ 4 Leads Used For Battery Backup |
| **WHIP/6FT/5WIRE/600V** | 6ft 4 Wire MC Cable Whip w/ 3 Leads Attached To Power, & 2 Leads Attached To Dimming |
| **WHIP/6FT/5WIRE/600V** | 6ft 6 Wire MC Cable w/ 3 Leads For Fixture Power, 2 Leads For Dimming & 1 For BB |

#### Mounting

| | |
|---|---|
| **FLGK** | Flange Kit |
| **SM** | Surface Mount |
| **HC** | Hurricane Clips |

## VOLA - 1x4 Volumetric Troffer

### Specifications:

- Architectural Design
- Recessed Or Surface Mount
- Flange Kit Available
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- Frosted Acrylic Lens Easily Removes For Cleaning
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| VOLA14-16WLED-UNIV-40 | 16 | 1,954 | 120 | >100K | >80 |
| VOLA14-22WLED-UNIV-40 | 22 | 2,799 | 125 | >100K | >80 |
| VOLA14-30WLED-UNIV-40 | 30 | 3,672 | 122 | >100K | >80 |
| VOLA14-35WLED-UNIV-40 | 35 | 4,082 | 116 | >100K | >80 |
| VOLA14-42WLED-UNIV-40 | 42 | 4,832 | 116 | >100K | >80 |
| VOLA14-52WLED-UNIV-40 | 52 | 6,542 | 124 | >100K | >80 |
| VOLA14-59WLED-UNIV-40 | 59 | 7,083 | 121 | >100K | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| POSTP | Post Painted Aluminum |
| FI/ILBCP05 | 5W LED Factory Wired Battery Backup |
| FI/ILBCP07 | 7W LED Factory Wired Battery Backup |
| FI/ILBCP10 | 10W LED Factory Wired Battery Backup |
| FI/ILBCP12 | 12W LED Factory Wired Battery Backup |
| SD347 | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| ES | EasySense Control |
| ES/PCD | Pre-Installed App On Controlled Device For Commissioning |
| ES/WWS | EasySense Wall Switch |
| BLD | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| FLGK | Flange Kit |
| SM | Surface Mount |
| HC | Hurricane Clips |

## VOLA - 2x2 Volumetric Troffer

### Specifications:

- Architectural Design
- Recessed Or Surface Mount
- Flange Kit Available
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- Frosted Acrylic Lens Easily Removes For Cleaning
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| VOLA22-16WLED-UNIV-40 | 16 | 1,990 | 123 | >100K | >80 | • |
| VOLA22-22WLED-UNIV-40 | 22 | 2,709 | 118 | >100K | >80 | • |
| VOLA22-30WLED-UNIV-40 | 30 | 3,462 | 116 | >100K | >80 | • |
| VOLA22-35WLED-UNIV-40 | 35 | 3,927 | 113 | >100K | >80 | |
| VOLA22-42WLED-UNIV-40 | 42 | 4,915 | 117 | >100K | >80 | • |
| VOLA22-52WLED-UNIV-40 | 52 | 6,492 | 123 | >100K | >80 | • |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| POSTP | Post Painted Aluminum |
| FI/ILBCP05 | 5W LED Factory Wired Battery Backup |
| FI/ILBCP07 | 7W LED Factory Wired Battery Backup |
| FI/ILBCP10 | 10W LED Factory Wired Battery Backup |
| FI/ILBCP12 | 12W LED Factory Wired Battery Backup |
| SD347 | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| ES | EasySense Control |
| ES/PCD | Pre-Installed App On Controlled Device For Commissioning |
| ES/WWS | EasySense Wall Switch |
| BLD | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| FLGK | Flange Kit |
| SM | Surface Mount |
| HC | Hurricane Clips |

## VOLA - 2x4 Volumetric Troffer

### Specifications:

- Architectural Design
- Recessed Or Surface Mount
- Flange Kit Available
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- Frosted Acrylic Lens Easily Removes For Cleaning
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| VOLA24-24WLED-UNIV-40 | 24 | 2,953 | 128 | >100K | >80 |
| VOLA24-30WLED-UNIV-40 | 30 | 3,774 | 125 | >100K | >80 |
| VOLA24-35WLED-UNIV-40 | 35 | 4,271 | 121 | >100K | >80 |
| VOLA24-42WLED-UNIV-40 | 42 | 4,985 | 119 | >100K | >80 |
| VOLA24-52WLED-UNIV-40 | 52 | 6,923 | 130 | >100K | >80 |
| VOLA24-59WLED-UNIV-40 | 59 | 7,532 | 128 | >100K | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| **FLGK** | Flange Kit |
| **SM** | Surface Mount |
| **HC** | Hurricane Clips |

## FLT - 1x4 Flat Lens Troffer

### Specifications:

- Architectural Design
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging From 19W-45W
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLT14-19WLED-UNIV-40 | 19 | 2,341 | 125 | >100 | >80 |
| FLT14-30WLED-UNIV-40 | 30 | 3,609 | 120 | >100 | >80 |
| FLT14-45WLED-UNIV-40 | 45 | 5,137 | 114 | >100 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| **FLGK** | Flange Kit |
| **SM** | Surface Mount |
| **HC** | Hurricane Clips |

# TROFFER

## FLT - 2x2 Flat Lens Troffer

### Specifications:

- Architectural Design
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging From 19W-45W
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLT22-19WLED-UNIV-40 | 19 | 2,319 | 124 | >100 | >80 |
| FLT22-30WLED-UNIV-40 | 30 | 3,557 | 119 | >100 | >80 |
| FLT22-45WLED-UNIV-40 | 45 | 5,009 | 112 | >100 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| **SM** | Surface Mount |
| **FLGK** | Flange Kit |
| **HC** | Hurricane Clips |

# TROFFER

## FLT - 2x4 Flat Lens Troffer

### Specifications:

- Architectural Design
- Flat Frosted Acrylic Lens
- .040 Aluminum Pre-Painted Housing
- Post Paint Available
- 3000K, 3500K, & 4000K Color Options
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- Multiple Wattage Options Ranging From 26W-45W
- Universal Voltage
- 5 Yr. Warranty
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FLT24-26WLED-UNIV-40 | 26 | 3,168 | 124 | >100 | >80 |
| FLT24-35WLED-UNIV-40 | 35 | 4,171 | 119 | >100 | >80 |
| FLT24-45WLED-UNIV-40 | 45 | 5,140 | 115 | >100 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **POSTP** | Post Painted Aluminum |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| **SM** | Surface Mount |
| **FLGK** | Flange Kit |
| **HC** | Hurricane Clips |

# STRIP

## FF - Flat Strip 2' & 4'

### Specifications:

- Extremely Low Profile Flat Strip
- .040" Aluminum Pre-Painted White Housing
- Frosted Acrylic Impact Resistant Lens
- 3000K, 3500K, 4000K, & 5000K Color Options
- Ceiling, Wall, Or Suspension Mounting Options
- Multiple Dimming & Control Options
- Suitable For Installing In Continuous Runs
- 5 Yr. Warranty
- EasySense Control Available
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Schools
- Offices
- Hallways
- Bathrooms

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| FF2-16WLED-UNIV-40 | 16 | 1,762 | 110 | >100K | >80 |
| FF2-22WLED-UNIV-40 | 22 | 2,361 | 107 | >100K | >80 |
| FF4-16WLED-UNIV-40 | 16 | 2,012 | 120 | >100K | >80 |
| FF4-22WLED-UNIV-40 | 22 | 2,559 | 116 | >100K | >80 |
| FF4-30WLED-UNIV-40 | 30 | 3,612 | 120 | >100K | >80 |
| FF4-44WLED-UNIV-40 | 44 | 4,895 | 111 | >100K | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **MCWHIPx** | Flexible Conduit (x = ft) |
| **CORDx** | Cord (x=ft) |
| **FI/ILBCP05** | 5W LED Factory Installed Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Installed Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Installed Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Installed Battery Backup |
| **SD347** | 347V Step Down Transformer |

#### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

#### Mounting

| | |
|---|---|
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

# STRIP

## 2FT & 4FT FZ Low Profile Strip

### Specifications:

- 2FT & 4FT
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Contact Factory For Other Wattage Options
- Dry And Damp Location Listed
- 0-10V Dimmable (100% - 5%)
- 5 Yr. Warranty
- EasySense Control Available
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Schools
- Warehouses
- Distribution Centers
- Retail Applications
- Manufacturing Facilities
- Hallways

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| FZ2A-16WLED-UNIV-40 | 16 | 1,981 | 121 | >100 | >80 | • |
| FZ2A-30WLED-UNIV-40 | 29 | 3,428 | 118 | >100 | >80 | • |
| FZ4A-16WLED-UNIV-40 | 16 | 2,432 | 152 | >100 | >80 | • |
| FZ4A-22WLED-UNIV-40 | 22 | 3,253 | 148 | >100 | >80 | • |
| FZ4A-30WLED-UNIV-40 | 30 | 4,365 | 146 | >100 | >80 | • |
| FZ4B-45WLED-UNIV-40 | 45 | 6,116 | 137 | >100 | >80 | • |
| FZ4C-59WLED-UNIV-40 | 59 | 8,313 | 140 | >100 | >80 | |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **FRL** | Frosted Acrylic Lens |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **USBD** | User Select Bi-Level Dim w/ Occ. Sensor |
| **BDxx** | Preset Bi-Level Dim Sensor (xx=% eg. 20,30) |
| **BDxxPC** | Preset Bi-Level Dim w/ Photocell |
| **DHPC** | Daylight Harvesting |
| **ES** | EasySense Control |
| **ES/WWS** | EasySense Wall Switch |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |

#### Mounting

| | |
|---|---|
| **V-Clips** | For Dual Point Chain Or Cable Hanging |
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

## 8FT FZ Low Profile Strip

### Specifications:

- 8FT
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Contact Factory For Other Wattage Options
- Dry And Damp Location Listed
- 0-10V Dimmable (100% - 5%)
- EasySense Control Available
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Schools
- Distribution Centers
- Manufacturing Facilities
- Warehouses
- Retail Applications
- Hallways

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| FZ8B-32WLED-UNIV-40 | 32 | 4,881 | 153 | >100 | >80 | • |
| FZ8B-44WLED-UNIV-40 | 44 | 6,528 | 148 | >100 | >80 | • |
| FZ8C-60WLED-UNIV-40 | 60 | 8,760 | 146 | >100 | >80 | • |
| FZ8D-80WLED-UNIV-40 | 80 | 11,182 | 140 | >100 | >80 | • |
| FZ8E-88WLED-UNIV-40 | 88 | 12,273 | 138 | >100 | >80 | • |
| FZ8F-118WLED-UNIV-40 | 118 | 16,594 | 140 | >100 | >80 | |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **FRL** | Frosted Acrylic Lens |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **USBD** | User Select Bi-Level Dim w/ Occ. Sensor |
| **BDxx** | Preset Bi-Level Dim Sensor (xx=% eg. 20,30) |
| **BDxxPC** | Preset Bi-Level Dim w/ Photocell |
| **DHPC** | Daylight Harvesting |
| **ES** | EasySense Control |
| **ES/WWS** | EasySense Wall Switch |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |

#### Mounting

| | |
|---|---|
| **V-Clips** | For Dual Point Chain Or Cable Hanging |
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

## 2FT & 4FT RZ - Low Profile Strip Retrofit

### Specifications:

- 2FT & 4FT
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Contact Factory For Other Wattage Options
- Dry And Damp Location Listed
- 0-10V Dimmable (100% - 5%)
- EasySense Control Available
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire
- Components
  - LED Channel x 1
  - LED Driver x 1-2 Pending Wattage
  - LED Driver Plate x 1-2 Pending Wattage
  - Fixture ID Label x 1
  - Self-Drilling Screws x 5-10 Pending Wattage
  - Driver Screws x 2-4 Pending Wattage

### Applications

- Schools
- Distribution Centers
- Manufacturing Facilities
- Warehouses
- Retail Applications
- Hallways

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| RZ2A-16WLED-UNIV-40 | 16 | 1,981 | 121 | >100K | >80 | |
| RZ2A-30WLED-UNIV-40 | 29 | 3,428 | 118 | >100K | >80 | |
| RZ4A-16WLED-UNIV-40 | 16 | 2,432 | 152 | >100K | >80 | • |
| RZ4A-22WLED-UNIV-40 | 22 | 3,253 | 148 | >100K | >80 | • |
| RZ4A-30WLED-UNIV-40 | 30 | 4,365 | 146 | >100K | >80 | • |
| RZ4B-44WLED-UNIV-40 | 44 | 6,116 | 137 | >100K | >80 | • |
| RZ4C-59WLED-UNIV-40 | 59 | 8,313 | 140 | >100K | >80 | |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **FRL** | Frosted Acrylic Lens |
| **WC** | 11 Ga Wire Cage |
| **ILBCP05** | 5W LED Field Wired Battery Backup |
| **ILBCP07** | 7W LED Field Wired Battery Backup |
| **ILBCP10** | 10W LED Field Wired Battery Backup |
| **ILBCP12** | 12W LED Field Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

# RETROFIT

## 8FT RZ - Low Profile Strip Retrofit

### Specifications:

- 8FT
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Contact Factory For Other Wattage Options
- Dry And Damp Location Listed
- 0-10V Dimmable (100% - 5%)
- EasySense Control Available
- 5 Yr. Warranty
- DesignLights Consortium ™ Qualified Luminaire
- Components
  - LED Channel x 1
  - LED Driver x 1-2 Pending Wattage
  - LED Driver Plate x 1-2 Pending Wattage
  - Fixture ID Label x 1
  - Self-Drilling Screws x 5-10 Pending Wattage
  - Driver Screws x 2-4 Pending Wattage

### Applications

- Schools
- Warehouses
- Distribution Centers
- Retail Applications
- Manufacturing Facilities
- Hallways

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| RZ8B-32WLED-UNIV-40 | 32 | 4,881 | 153 | >100 | >80 | • |
| RZ8B-44WLED-UNIV-40 | 44 | 6,528 | 148 | >100 | >80 | • |
| RZ8C-60WLED-UNIV-40 | 60 | 8,760 | 146 | >100 | >80 | • |
| RZ8D-80WLED-UNIV-40 | 80 | 11,182 | 140 | >100 | >80 | • |
| RZ8E-88WLED-UNIV-40 | 88 | 12,273 | 138 | >100 | >80 | • |
| RZ8F-118WLED-UNIV-40 | 118 | 16,594 | 140 | >100 | >80 | |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **FRL** | Frosted Acrylic Lens |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Field Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Field Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Field Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Field Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **ES** | EasySense Control |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |
| **ES/WWS** | EasySense Wall Switch |
| **BLD** | Bi-Level Dim Driver (2 Hot Leads) |

# STRIP / RETROFIT

## 2FT & 4FT Low Profile Channel

### Specifications:

- Custom Channel Widths Available For Retrofit
- Suitable For New Or Retrofit Installation
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Channel Housing Available
- Dry And Damp Location Listed
- 0-10V Dimmable Driver (100% - 5%)
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Cove Lighting
- Warehouses
- Distribution Centers
- Retail Applications
- Manufacturing Facilities

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| F102-4.3-20WLED-UNIV-50 | 20 | 2,148 | 111 | >100 | >80 |
| F102-4.3-30WLED-UNIV-50 | 30 | 3,298 | 108 | >100 | >80 |
| F104-4.3-30WLED-UNIV-50 | 30 | 3,194 | 105 | >100 | >80 |
| F104-4.3-40WLED-UNIV-50 | 40 | 3,867 | 85 | >77 | >80 |
| F104-4.3-60WLED-UNIV-50 | 60 | 6,045 | 102 | >100 | >80 |
| F104-4.3-80WLED-UNIV-50 | 80 | 7,297 | 90 | >71 | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **CHAN** | Channel Housing |
| **FRLK** | Frosted Lens Kit |
| **CORDx** | Cord (x=ft) |
| **QDCx** | Quick Disconnect Cord (x=ft) |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **FIOSPC** | On/Off Occipancy Sensor w/ Photocell |
| **USBD** | User Select Bi-Level Dim w/ Occ. Sensor |
| **BDxx** | Preset Bi-Level Dim Sensor (xx=% eg. 20,30) |
| **BDxxPC** | Preset Bi-Level Sim Sensor w/ Photocell |
| **DHPC** | Daylight Harvesting |

#### Mounting

| | |
|---|---|
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

# STRIP / RETROFIT

## 8FT Low Profile Channel

### Specifications:

- Custom Channel Widths Available For Retrofit
- Suitable For New Or Retrofit Installation
- Durable Steel Construction
- Frosted Acrylic Lens Available
- 3000K, 3500K, 4000K, & 5000K Color Options
- Channel Housing Available
- Dry And Damp Location Listed
- 0-10V Dimmable Driver (100% - 5%)
- 5 Yr. Warranty
- DesignLights Consortium™ Qualified Luminaire

### Applications

- Cove Lighting
- Warehouses
- Distribution Centers
- Retail Applications
- Manufacturing Facilities

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| F108-4.3-60WLED-UNIV-50 | 60 | 6,045 | 102 | >100K | >80 |
| F108-4.3-80WLED-UNIV-50 | 80 | 7,297 | 90 | >100K | >80 |
| F108-4.3-100WLED-UNIV-50 | 100 | 12,354 | 109 | >100K | >80 |
| F108-4.3-160WLED-UNIV-50 | 160 | 14,594 | 90 | >100K | >80 |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **CHAN** | Channel Housing |
| **FRL** | Frosted Lens Kit |
| **CORDx** | Cord (x=ft) |
| **QDCx** | Quick Disconnect Cord (x=ft) |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

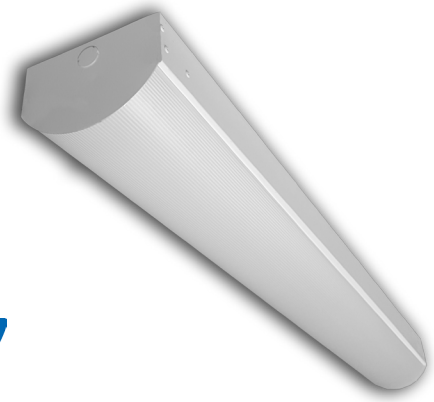
| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **FIOSPC** | On/Off Occipancy Sensor w/ Photocell |
| **USBD** | User Select Bi-Level Dim w/ Occ. Sensor |
| **BDxx** | Preset Bi-Level Dim Sensor (xx=% eg. 20,30) |
| **BDxxPC** | Preset Bi-Level Sim Sensor w/ Photocell |
| **DHPC** | Daylight Harvesting |

#### Mounting

| | |
|---|---|
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

# CURVED WRAP

## SQ - Curved Wrap



### Specifications:

- Sleek Profile Curved Wrap
- 2 FT, 4 FT, & 8FT Configurations
- .040" Aluminum Pre-Painted White Housing
- Frosted Acrylic Impact Resistant Lens
- 3000K, 3500K, 4000K, & 5000K Color Options
- Ceiling, Wall, Or Suspension Mounting Options
- Multiple Dimming And Sensor Options To Fully Control Occupied & Unoccupied Light Levels
- Suitable For Installing In Continuous Runs
- 0-10V Dimmable Driver (100% - 5%)
- EasySense Control Available
- DesignLights Consortium™ Premium Qualified Luminaire

### Applications

- Offices
- Hallways
- Schools
- Hospitals

## Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| SQ2-16WLED-UNIV-40 | 16 | 1,983 | 117 | >100K | >80 |
| SQ2-22WLED-UNIV-40 | 22 | 2,595 | 115 | >100K | >80 |
| SQ4-16WLED-UNIV-40 | 16 | 2,078 | 127 | >100K | >80 |
| SQ4-30WLED-UNIV-40 | 30 | 3,694 | 123 | >100K | >80 |
| SQ4-44WLED-UNIV-40 | 44 | 5,086 | 116 | >100K | >80 |
| SQ8-32WLED-UNIV-40 | 32 | 4,018 | 126 | >100K | >80 |
| SQ8-60WLED-UNIV-40 | 60 | 7,329 | 122 | >100K | >80 |
| SQ8-88WLED-UNIV-40 | 88 | 10,236 | 115 | >100K | >80 |

Lm/W = Lumens Per Watt

## Options

### Accessories

| | |
|---|---|
| **CORDx** | Cord (x=ft) |
| **FI/ILBCP05** | 5W LED Factory Installed Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Installed Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Installed Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Installed Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **ES** | EasySense Control |
| **ES/WWS** | EasySense Wall Switch |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |

### Mounting

| | |
|---|---|
| **FMB** | Fixture Mounting Box Includes Rigid Box To Attach To Fixture, Provides For Single Point Mounting (HUB, HOOK Required) |
| **HOOK** | Cast Iron Hook For Single Point Mounting |
| **HUB 3/4** | Conduit Hub 3/4" For Pendant Mounts |
| **HB-XX-18Y-PAD** | Y-Toggle Cable System (XX=in) |

# WRAP

## FWS - Shallow Wrap

### Specifications:

- Low Profile Shallow Wrap
- Specification Grade For New Construction
- 4FT & 8FT Configurations
- 23 Ga Die Formed Steel Housing
- Surface Mount Or Suspended
- Suitable For Continuous Runs
- Prismatic Wrap Around Lens
- Wire Cage Option Available (Replaces Prismatic Lens)
- 3000K, 3500K, 4000K, & 5000K Color Options
- EasySense Control Available
- 0-10V Dimmable Driver (100% - 5%)
- Ample KOs On Back And Ends
- 5 Yr. Warranty
- DesignLights Consortium ™ Qualified Luminaire

### Applications

- Offices
- Hallways
- Work Station Task Lighting

### Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI | DLC Premium |
|---|---|---|---|---|---|---|
| FWS-20WLED-UNIV-40 | 20 | 2,890 | 131 | >100 | >80 | • |
| FWS-30WLED-UNIV-40 | 30 | 3,801 | 127 | >100 | >80 | • |
| FWS-40WLED-UNIV-40 | 40 | 4,836 | 121 | >100 | >80 | • |
| FWS-55WLED-UNIV-40 | 55 | 6,273 | 116 | >100 | >80 | |
| FWS-70WLED-UNIV-40 | 70 | 7,960 | 114 | >100 | >80 | • |
| FWS8-40WLED-UNIV-40 | 40 | 5,628 | 131 | >100 | >80 | • |
| FWS8-55WLED-UNIV-40 | 55 | 6,897 | 128 | >100 | >80 | • |
| FWS8-80WLED-UNIV-40 | 80 | 9,892 | 124 | >100 | >80 | • |

Lm/W = Lumens Per Watt

### Options

#### Accessories

| | |
|---|---|
| **CORDx** | Cord (x=ft) |
| **WC** | 11 Ga Wire Cage |
| **FI/ILBCP05** | 5W LED Factory Wired Battery Backup |
| **FI/ILBCP07** | 7W LED Factory Wired Battery Backup |
| **FI/ILBCP10** | 10W LED Factory Wired Battery Backup |
| **FI/ILBCP12** | 12W LED Factory Wired Battery Backup |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

#### Controls

| | |
|---|---|
| **FIOS** | On/Off Occupancy Sensor Installed |
| **ES** | EasySense Control |
| **ES/WWS** | EasySense Wall Switch |
| **ES/PCD** | Pre-Installed App On Controlled Device For Commissioning |

# STAIRWELL

## Cavern & Cavern Lite

### Specifications:

- 2FT & 4FT LED Options Available
- Ultrasonic Sensor Fills Entire Space For Maximum Sensing Range
- Fully Control Light Levels For Both Occupied & Unoccupied Areas With High/Low User Selectable Bi-Level Dimming (USBD/HL) Option to Help Maintain Life Safety Codes
- 0-10V Dimmable Driver (100% - 5%)
- Frosted Acrylic Lens Easily Removes For Cleaning
- 3000K, 3500K, 4000K, & 5000K Color Options
- 5 Yr. Warranty
- DesignLights Consortium ™ Qualified Luminaire

### Cavern Housing

- .060" Aluminum Body
- .200" 6061 Machine Aluminum End Plates
- .500" Threaded End Plug
- Baked On Enamel Powder Coat Finish

### Cavern Lite Housing

- .040" Aluminum Housing
- Baked On Pre-Paint Enamel

### Applications

- Stairwells

## Performance Guide

| Part # | Wattage | Lumens | Lm/W | L70 | CRI |
|---|---|---|---|---|---|
| CV2-20WLED-UNIV-40 | 20 | 2,303 | 113 | >100 | >80 |
| CV2-30WLED-UNIV-40 | 30 | 3,349 | 112 | >100 | >80 |
| CV4-30WLED-UNIV-40 | 30 | 3,696 | 112 | >100 | >80 |
| CV4-40WLED-UNIV-40 | 40 | 4,767 | 119 | >100 | >80 |
| C4-60WLED-UNIV-40 | 60 | 4,928 | 83 | >100 | >80 |
| C4-80WLED-UNIV-40 | 80 | 5,994 | 75 | >74 | >80 |

Lm/W = Lumens Per Watt

## Options

### Accessories

| | |
|---|---|
| **FRL** | Frosted Acrylic Lens (Std.) |
| **WHP** | White Paint (Std.) |
| **BRP** | Bronze Paint |
| **CPX** | Custom Paint (x=spec color) |
| **CORDx** | Cord (x=ft) |
| **FHSBB500** | 500 Lumen Battery Backup |
| **ILBCP05** | 5W LED Factory Wired Battery Backup |
| **ILBCP07** | 7W LED Factory Wired Battery Backup |
| **ILBCP10** | 10W LED Factory Wired Battery Backup |
| **ILBCP12** | 12W LED Factory Wired Battery Backup |
| **TPS** | Tamper Proof Screws (cavern only) |
| **SD347** | 347V Step Down Transformer |
| **SD480** | 480V Step Down Transformer |

### Controls

| | |
|---|---|
| **FIOS** | On/Off Ocupancy Sensor Installed |
| **BDxx** | Preset Bi-Level Dim Sensor (xx=% eg. 20,30) |
| **USBD** | User Select Bi-Level Dim w/ Occ. Sensor (xx=% eg. 20,30) |
| **USBD/HL** | User Select High/Low Bi-Level Dimming w/ Occupancy Sensor |

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