

| | |
|-----------------|---------------|
| PROJECT NAME: | |
| CATALOG NUMBER: | FIXTURE TYPE: |
| VOLTS/WATTS: | LAMPS/BOARD: |



FZ 4FT LOW PROFILE LED STRIP FROSTED

COMMERCIAL

FEATURES

- 48" x 4.3" Configuration
- Durable Steel Construction
- Frosted Acrylic Lens Available
- Multiple Dimming and Sensor Options to Fully Control Occupied and Unoccupied Light Levels
- Color Temps Available in 3000K, 3500K, 4000K, & 5000K
- Contact Factory for Other Wattage Options
- 0-10V Dimmable (100% - 5%)
- ETL Listed
- 5 Yr. Warranty
- DesignLights Consortium® Qualified Luminaire



LED SYSTEM

| | 16WLED | 22WLED | 30WLED |
|------------------------------------|-----------|-----------|-----------|
| Calculated L ₇₀ (TM-21) | >100 K | >100 K | >100 K |
| Delivered Lumens | 1,979 lm | 2,644 lm | 3,701 lm |
| Total Input Watts | 16 W | 22 W | 30 W |
| Luminaire Efficacy Rating (LER) | 124 lm/W | 120 lm/W | 123 lm/W |
| Correlated Color Temperature (CCT) | 4000K | 4000K | 4000K |
| Color Rendering Index (CRI) | >80 | >80 | >80 |
| Max Ambient Temp | 110°F | 110°F | 110°F |
| Min Ambient Temp | -4°F | -4°F | -4°F |
| Universal Driver | 120-277 V | 120-277 V | 120-277 V |

SUITABLE APPLICATIONS

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

LED System data above based on FZ4A-16WLED-UNIV-40-FRAL, FZ4A-22WLED-UNIV-40-FRAL, FZ4A-30WLED-UNIV-40-FRAL
 LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient
 Specific Configurations Listed on DLC



Ordering Guide

| | | | | |
|------|--------|------|----|----------|
| FZ4A | 30WLED | UNIV | 40 | eg: FRAL |
|------|--------|------|----|----------|

| Series | LED | Driver | Color | Options |
|--------|-----|--------|-------|---------|
|--------|-----|--------|-------|---------|

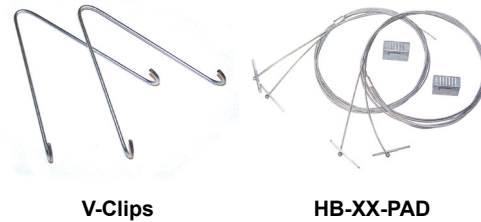
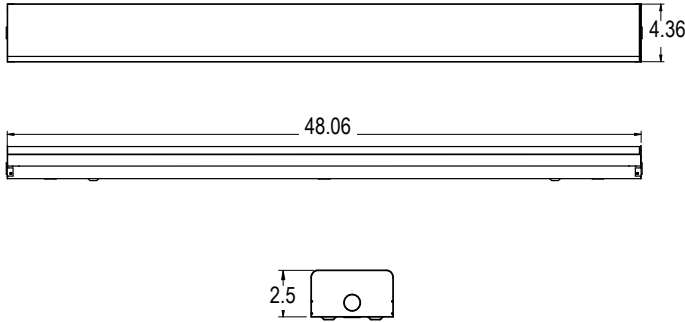
- | | | | | |
|--|--|---|------------------------------------|--|
| <input type="checkbox"/> FZ4A Channel 4ft | <input type="checkbox"/> 16WLED | <input type="checkbox"/> UNIV 120-277 Driver | <input type="checkbox"/> 30 | <input checked="" type="checkbox"/> FRAL Frosted Acrylic Lens |
| | <input type="checkbox"/> 22WLED | | <input type="checkbox"/> 35 | <input type="checkbox"/> SD480 480V Step Down Transformer |
| | <input type="checkbox"/> 30WLED | | <input type="checkbox"/> 40 | <input type="checkbox"/> FI/ILBCP05 5W LED Factory Wired Battery Backup |
| | | | <input type="checkbox"/> 50 | <input type="checkbox"/> FI/ILBCP07 7W LED Factory Wired Battery Backup |
| | | | | <input type="checkbox"/> FI/ILBCP10 10W LED Factory Wired Battery Backup |
| | | | | <input type="checkbox"/> FI/ILBCP12 12W LED Factory Wired Battery Backup |
| | | | | <input type="checkbox"/> VC V-Clips |
| | | | | <input type="checkbox"/> HB-XX-PAD Y-Toggle Cable System (xx=in) |
| | | | | <input type="checkbox"/> FIOS On/Off Occupancy Sensor Installed |
| | | | | <input type="checkbox"/> USBD User Select Bi-level Dim w/ Occ. Sensor |
| | | | | <input type="checkbox"/> BDxx Preset Bi-level Dim Sensor (xx=% eg. 20,30) |
| | | | | <input type="checkbox"/> BDxxPC Preset Bi-level Dim Sensor w/ Photocell |
| | | | | <input type="checkbox"/> DHPC Daylight Harvesting |
| | | | | <input type="checkbox"/> WC 11 Ga Wire Cage |
| | | | | <input type="checkbox"/> ES EasySense Control |
| | | | | <input type="checkbox"/> SR Sensor Ready Driver For ES |
| | | | | <input type="checkbox"/> ES/PCD Pre-Installed App On Control Device For Commissioning |

FZ 4FT LOW PROFILE LED STRIP FROSTED

MOUNTING OPTIONS

COMMERCIAL

- **V-Clips** - for dual point chain or cable hanging
- **HB-XX-PAD** - Y-toggle cable system (xx=in)



V-Clips

HB-XX-PAD

FZ4A-16WLED-UNIV-40-FRAL

SUMMARY DATA

| | |
|--------------------------------|-------------|
| HEMISPHERES TESTED: | BOTH |
| EFFICIENCY (Total): | 100.0% |
| EFFICIENCY (Downlight): | 96.1% |
| EFFICIENCY (Uplight): | 3.9% |
| CIE CLASSIFICATION: | DIRECT |
| LUMENS/LAMP: | 1957.699 |
| NO. OF LAMPS: | 1 |
| LUMINOUS OPENING: RECTANGULAR: | |
| Width: | 0.37 (Feet) |
| Length: | 4.00 |
| Height: | 0.08 |
| INPUT WATTS: | 16.3 |

PLANE AND CONE DIAGRAM

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

FZ4B-22WLED-UNIV-40-FRAL

SUMMARY DATA

| | |
|--------------------------------|-------------|
| HEMISPHERES TESTED: | BOTH |
| EFFICIENCY (Total): | 100.0% |
| EFFICIENCY (Downlight): | 95.8% |
| EFFICIENCY (Uplight): | 4.2% |
| CIE CLASSIFICATION: | DIRECT |
| LUMENS/LAMP: | 2348.657 |
| NO. OF LAMPS: | 1 |
| LUMINOUS OPENING: RECTANGULAR: | |
| Width: | 0.35 (Feet) |
| Length: | 4.00 |
| Height: | 0.06 |
| INPUT WATTS: | 20.46 |

PLANE AND CONE DIAGRAM

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

FZ4C-30WLED-UNIV-40-FRAL

SUMMARY DATA

| | |
|--------------------------------|-------------|
| HEMISPHERES TESTED: | BOTH |
| EFFICIENCY (Total): | 100.0% |
| EFFICIENCY (Downlight): | 96.0% |
| EFFICIENCY (Uplight): | 4.0% |
| CIE CLASSIFICATION: | DIRECT |
| LUMENS/LAMP: | 3283.401 |
| NO. OF LAMPS: | 1 |
| LUMINOUS OPENING: RECTANGULAR: | |
| Width: | 0.35 (Feet) |
| Length: | 4.00 |
| Height: | 0.06 |
| INPUT WATTS: | 27.83 |

PLANE AND CONE DIAGRAM

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

Industrial Lighting Products

LED lighting facts
A Program of the U.S. DOE

| | |
|---|---------------------|
| Light Output (Lumens) | 1979 |
| Watts | 16 |
| Lumens per Watt (Efficacy) | 123.69 |
| Color Accuracy Color Rendering Index (CRI) | 80 |
| Light Color Correlated Color Temperature (CCT) | 4000 (Bright White) |

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: -7Y1M6LY (10/23/2015)
Model Number: FZ4A-16WLED-UNIV-40-FRAL
Type: Luminaire - Linear

Industrial Lighting Products

LED lighting facts
A Program of the U.S. DOE

| | |
|---|---------------------|
| Light Output (Lumens) | 2644 |
| Watts | 22 |
| Lumens per Watt (Efficacy) | 120.18 |
| Color Accuracy Color Rendering Index (CRI) | 80 |
| Light Color Correlated Color Temperature (CCT) | 4000 (Bright White) |

2700K 3000K 4500K 6500K

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Registration Number: -8K0E70 (10/23/2015)
Model Number: FZ4A-22WLED-UNIV-40-FRAL
Type: Luminaire - Linear

Industrial Lighting Products

LED lighting facts
A Program of the U.S. DOE

| | |
|---|---------------------|
| Light Output (Lumens) | 3701 |
| Watts | 30 |
| Lumens per Watt (Efficacy) | 123.37 |
| Color Accuracy Color Rendering Index (CRI) | 80 |
| Light Color Correlated Color Temperature (CCT) | 4000 (Bright White) |

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: -YU83ZT (10/23/2015)
Model Number: FZ4A-30WLED-UNIV-40-FRAL
Type: Luminaire - Linear