Project Name:	Part Number:	Type:

FZ LOW PROFILE STRIP - 4FT
COMMERCIAL

ILP

407-478-3759
www.ilp-inc.com

FEATURES

- Durable steel construction
- Frosted acrylic lens available
- Multiple dimming & sensor options to fully control occupied & unoccupied light levels
- 3000K, 3500K, 4000K, and 5000K color options available
- 0-10V dimmable driver (100% - 5%)
- Dry and damp location listed
- ETL damp listed
- 5 Year Warranty
- DesignLights Consortium® Qualified Luminaire

SUITABLE APPLICATIONS

- Schools
- Manufacturing Plants
- Warehouses or Distribution Centers
- Retail Applications

LED SYSTEMS INFO

	16W	22W	30W	44W	59W
Calculated L$_{70}$ (TM-21) Hours	>100K	>100K	>100K	>100K	>100K
Delivered Lumens	2,432 lm	3,253 lm	4,365 lm	6,116 lm	8,313 lm
Total Input Watts	16 W	22 W	30 W	45 W	59 W
Luminaire Efficacy Rating (LER)	152 lm/W	148 lm/W	146 lm/W	137 lm/W	140 lm/W
Correlated Color Temperature (CCT)	4000K	4000K	4000K	4000K	4000K
Color Rendering Index (CRI)	>80	>80	>80	>80	>80
Ambient Temperature Range	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F
Universal Driver	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V

LED System data above based on FZ4A-16WLED-UNIV-40, FZ4A-22WLED-UNIV-40, FZ4A-30WLED-UNIV-40, FZ4B-44WLED-UNIV-40, & FZ4C-59WLED-UNIV-40
LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25˚C ambient.

ORDERING GUIDE:

Series	Watts	Driver	Color	Options	
☐ **FZ4A** Low Profile Strip 4ft	☐ **16WLED**	☐ **UNIV** 120-277 V Driver	☐ 50	☐ **FRAL**	Frosted Acrylic Lens
	☐ **22WLED**		☐ 40	☐ **SR**	Sensor Ready Driver for ES
	☐ **30WLED**		☐ 35	☐ **ES**	EasySense Control
			☐ 30	☐ **ES/PCD**	Pre-Installed App on Control Device for Commissioning
				☐ **DIM**	0-10V Dimmable Leads to Driver
				☐ **USBD**	User Bi-Level Dim Sensor w/ Occ. Sensor
☐ **FZ4B** Low Profile Strip 4ft	☐ **44WLED**			☐ **BDxx**	Preset Bi-Level Dim Sensor (xx=%eg.20,30)
				☐ **BDxxPC**	Preset Bi-level Dim Sensor w/ Photocell
				☐ **DHPC**	Daylight Harvesting
☐ **FZ4C** Low Profile Strip 4ft	☐ **59WLED**			☐ **FIOS**	On/Off Occupancy Sensor Installed
				☐ **VC**	V-Clips
				☐ **WC***	11 GA Wire Cage
				☐ **HB-XX-18Y-PAD**	Y-Toggle Cable System (XX = in)
				☐ **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
				☐ **SD480***	480V Step Down Transformer

*Does not qualify for DLC

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FROSTED LED SYSTEMS INFO	16W FRAL	22W FRAL	30W FRAL	44W FRAL	59W FRAL
Calculated L_{70} (TM-21) Hours	>100K	>100K	>100K	>100K	>100K
Delivered Lumens	1,979 lm	2,644 lm	3,701 lm	5,158 lm	7,159 lm
Total Input Watts	16 W	22 W	30 W	45 W	59 W
Luminaire Efficacy Rating (LER)	124 lm/W	120 lm/W	123 lm/W	116 lm/W	121 lm/W
Correlated Color Temperature (CCT)	4000K	4000K	4000K	4000K	4000K
Color Rendering Index (CRI)	>80	>80	>80	>80	>80
Ambient Temperature Range	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F	-4˚F - 110˚F
Universal Driver	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V

LED System data above based on FZ4A-16WLED-UNIV-40-FRAL, FZ4A-22WLED-UNIV-40-FRAL, FZ4A-30WLED-UNIV-40-FRAL, FZ4B-44WLED-UNIV-40-FRAL, & FZ4C-59WLED-UNIV-40-FRAL
LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25˚C ambient.

LINE DRAWING

4.36

48.06

2.5
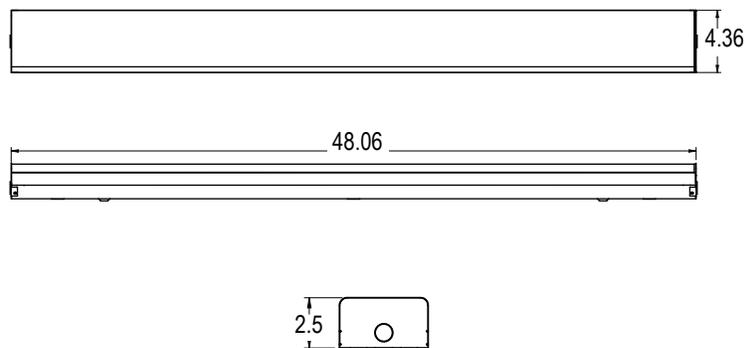
MOUNTING OPTIONS

- **V-Clips** - For dual point chain or cable hanging
- **HB-XX-18Y-PAD** - Y-Paddle Cables System (XX = in)

V-CLIPS

HB-XX-PAD

FZ LOW PROFILE STRIP - 4FT
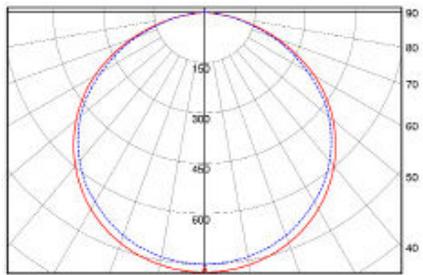
COMMERCIAL

PHOTOMETRIC REPORTS

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

FZ4A-16WLED-UNIV-40

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2260.96
INPUT WATTS:	16.3

PLANE AND CONE DIAGRAM

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

FZ4A-22WLED-UNIV-40

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3248.47
INPUT WATTS:	22.81

PLANE AND CONE DIAGRAM
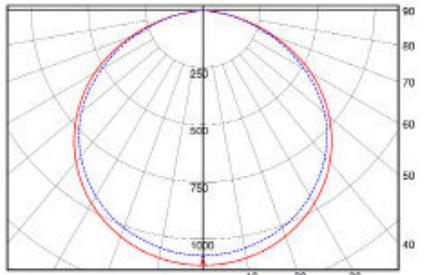
Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

FZ4A-30WLED-UNIV-40

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4365.1
INPUT WATTS:	31.2

PLANE AND CONE DIAGRAM
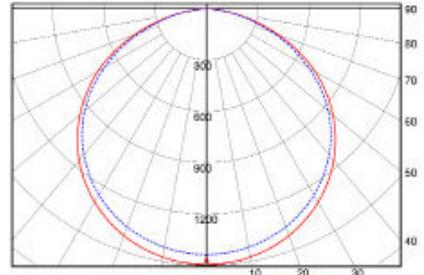
Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

FZ4A-16WLED-UNIV-40-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	96.1 %
EFFICIENCY (Uplight):	3.9 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	1957.7
INPUT WATTS:	16.3

PLANE AND CONE DIAGRAM
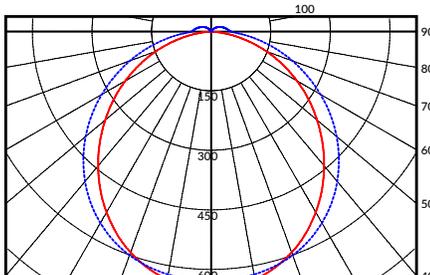
Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

FZ4A-22WLED-UNIV-40-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.8 %
EFFICIENCY (Uplight):	4.2 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2348.66
INPUT WATTS:	20.46

PLANE AND CONE DIAGRAM
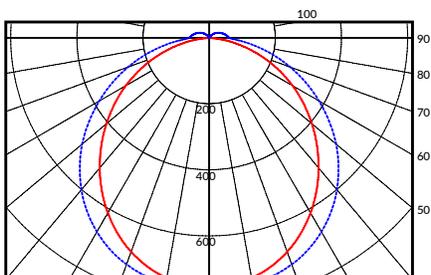
Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

FZ4A-30WLED-UNIV-40-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	96.0 %
EFFICIENCY (Uplight):	4.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3283.4
INPUT WATTS:	27.83

PLANE AND CONE DIAGRAM
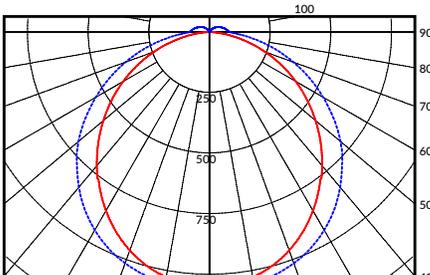
Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

FZ LOW PROFILE STRIP - 4FT
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PHOTOMETRIC REPORTS

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

FZ4B-44WLED-UNIV-40

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	5853.15
INPUT WATTS:	44.46

PLANE AND CONE DIAGRAM

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

FZ4C-59WLED-UNIV-40

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	8102.6
INPUT WATTS:	58.83

PLANE AND CONE DIAGRAM

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

FZ4B-44WLED-UNIV-40-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.9 %
EFFICIENCY (Uplight):	4.1 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4878.78
INPUT WATTS:	44.25

PLANE AND CONE DIAGRAM

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

FZ4C-59WLED-UNIV-40-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.8 %
EFFICIENCY (Uplight):	4.2 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	6940.71
INPUT WATTS:	58.47

PLANE AND CONE DIAGRAM

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