

# Day-Brite



by Signify

Linear

FluxStream industrial

FSI 4' & 8'



Day-Brite / CFI FluxStream LED industrial is a high performing luminaire delivering smooth diffuse light ideal for light industrial, commercial and residential applications with unparalleled energy efficiency.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lumens: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Ordering guide

Example: FSI440L840-UNV-DIM

Series	Length (nominal)	Lumens <sup>2</sup> (nominal)	Color temp. (K)	Voltage	Driver	Options
<b>FSI</b>			—	—	—	
FSI FluxStream industrial	4' 4' length	<b>30L</b> 3000 lumens <b>40L</b> 4000 lumens <b>55L</b> 5500 lumens <b>70L</b> 7000 lumens	<b>830</b> 80 CRI, 3000K <b>835</b> 80 CRI, 3500K <b>840</b> 80 CRI, 4000K <b>850</b> 80 CRI, 5000K	<b>UNV</b> Universal voltage 120-277V <b>120<sup>3</sup></b> 120V <b>277<sup>3</sup></b> 277V <b>347<sup>4</sup></b> 347V	<b>DIM<sup>10</sup></b> Dimming <b>SDIM<sup>5</sup></b> Step dimming to 40% input power <b>XDIM<sup>3,5</sup></b> MarkX phase dimming <b>DALI<sup>6</sup></b> DALI	<b>EMLED<sup>4,7</sup></b> Factory wired Bodine BSL310LP integral emergency pack. Nominal 1100lm <b>IAO<sup>8</sup></b> Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control <b>LSXR10</b> 120-347V motion sensor, factory installed on end cap <b>LSXR10ADC<sup>8</sup></b> 120-347V motion sensor with photocell and hi/lo trim dimming, factory installed on end cap <b>SWZDT<sup>8</sup></b> Integral sensor, daylighting and occupancy sensing, advanced grouping with dwell time <b>PAF</b> Paint after fabrication for extra corrosion resistance (white) <b>BK</b> Matte black paint color <b>ST</b> Satin aluminum paint color
	8' 8' length	<b>60L</b> 6000 lumens <b>80L</b> 8000 lumens <b>110L</b> 11000 lumens <b>140L</b> 14000 lumens				

- 8' is tandem (2) 4' lenses with single piece 8' body.
- Nominal delivered lumens at 25°C ambient.
- XDIM option must be specified with 120V or 277V option only.
- 347V with EMLED only available in 8' models.
- Not available in 4' 70L model or 8' 140L model.
- DALI available up to 80L models only, consult factory for other options.
- EMLED on 8' models illuminates 4' section in emergency mode.
- Available with DIM driver option only.
- Not available in 8' 110L or 140L models.
- Integral controls options dimmable to 5% via wireless wall switch (see p.2). Non-integral controls configurations are 0-10V dimmable to 1%.

## Accessories (order separately)

- **FSID4L** - 4' Diffuse replacement lens (order two for 8' models)
- **LSXR10** - Low bay PIR motion sensor, 120-277V
- **LSXR10ADC** - Low bay PIR motion sensor with photocell and hi/lo trim dimming, 120-277V
- **FSIWG4** - 4' Wire guard (order two for 8' models)
- **FSTH** - Sliding hanger bracket (set of 2)
- (See last page for details and more options)

## General notes

Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

PAF (Paint after fabrication) option is required for all products that will be used in a damp or humid location, such as under a canopy or covered parking area.



interact ready.

# FSI FluxStream LED industrial

## 4' and 8'

### Features

- Compact design for installation in tight spaces.
- Frosted acrylic diffuser provides wide light distribution and superior glare control
- Diffuser and LED plate snap into place allowing tool-free access to LED boards and driver.
- 4' and 8' tandem lengths available to accommodate many field applications
- Up to 100,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs.
- Can be surface mounted on ceilings or walls, or suspended via chain, pendants or cables
- Wall mountable - ADA compliant.
- Ideal for cold applications (-20°C)
- Continuous row mounting using standard end caps. No extra parts needed.
- 7/8" knock out provided at each end and on base of luminaire. Note: Center knockout is covered and not useable in 4' version with EMLED option.
- Multiple driver options available with 0-10V as standard.

- Enclosed lens minimizes penetration of dust, insects, and other debris into the LED compartment.
- 8' tandem unit is two 4' optical assemblies with a center mullion on a single full length chassis.
- Integral controls options include sensor mounted in control module extension mounted on fixture end (see dimension drawing).
- Fluxstream luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers [www.designlights.org/QPL](http://www.designlights.org/QPL).
- 5 year manufacturer's limited warranty Visit [www.signify.com/warranties](http://www.signify.com/warranties) for complete warranty information.

### Finish

- Baked white acrylic matte high reflectance paint finish.
- PAF (Paint after fabrication) option, which is required for all products that will be used in damp or humid locations, such as a canopy or covered parking area, provides extra corrosion resistance.

### Shielding

- Contoured frosted acrylic lens.

### Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Integral emergency driver with EMLED option. To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10.

### Materials

- Heavy gauge cold rolled steel housing, LED plate, and end caps

### Labels

- cETLus listed
- Suitable for damp locations

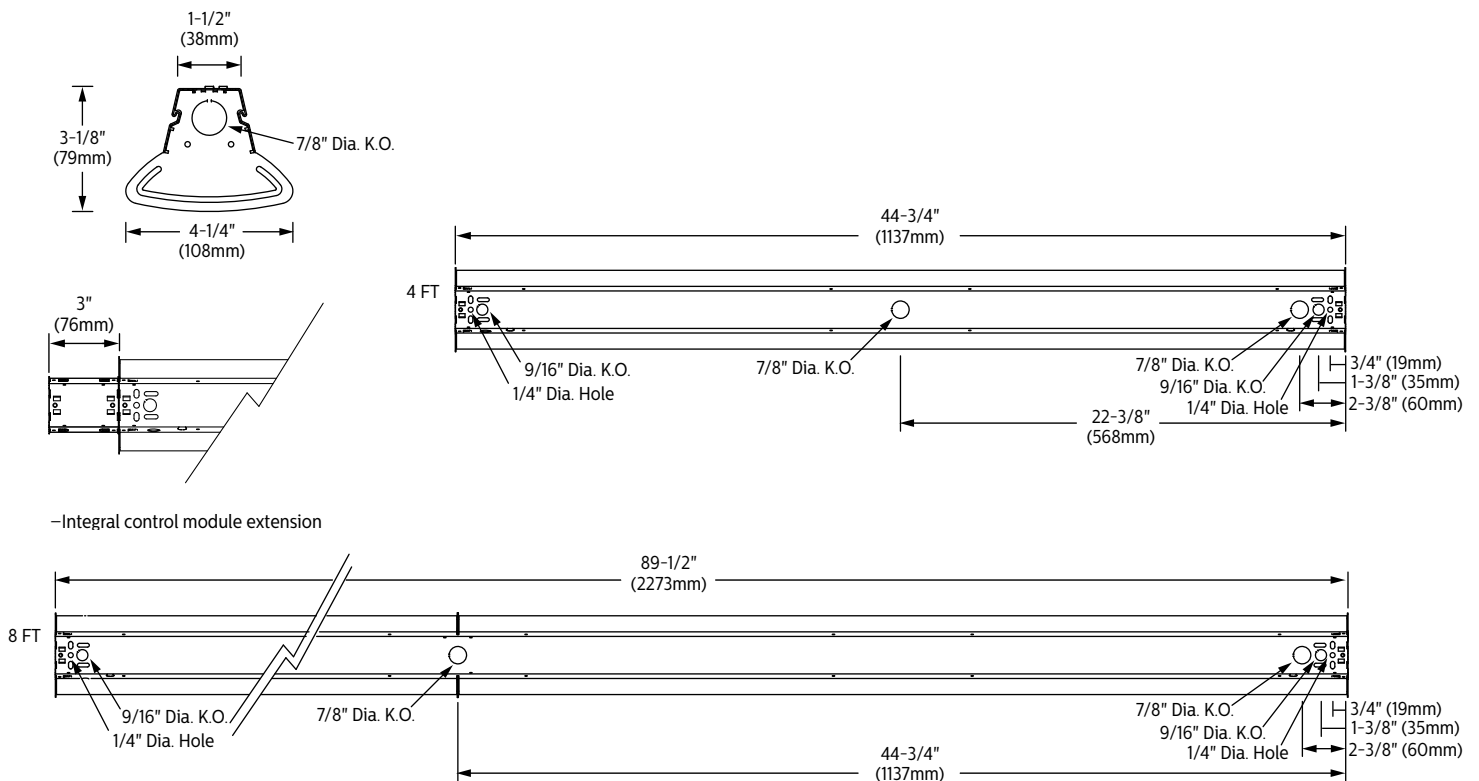
### Performance data

Fixture	Lumens	Wattage	Efficacy
FSI440L840	4169lm	31W	134lm/w
FSI455L840	5826lm	45W	131lm/w
FSI470L840	7302lm	58W	126lm/w

### Ambient temperature data

Configuration	Ambient
FSI470L	-20°C to 30°C
FSI8110L	-20°C to 35°C
FSI8140L	-20°C to 25°C
EMLED option	Minimum 0°C
All others	-20°C to 40°C

### Dimensions



# FSI FluxStream LED industrial

4' and 8'

## Wireless Controls Options

### SpaceWise DT (SWZDT)

- Standalone daylight and occupancy sensing with advanced grouping and dwell time
- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible Zigbee wireless wall switch only (see link below for details)
- Register for the commissioning app at <http://registration.componentcloud.philips.com/apregistration/>
- Integral sensing options may not be combined
- For more information including recommended switches, refer to the following: -

**SWZDT** - [www.usa.lighting.philips.com/systems/lighting-systems/spacewise](http://www.usa.lighting.philips.com/systems/lighting-systems/spacewise)

### Interact Office (IAO)

- A wireless IoT connected lighting solution for **large enterprises** that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit:  
[www.interact-lighting.com/office](http://www.interact-lighting.com/office) or  
[www.usa.lighting.philips.com/systems/system-areas/offices](http://www.usa.lighting.philips.com/systems/system-areas/offices)

### FluxStream industrial shown with integral sensor



# FSI FluxStream LED industrial

## 4' and 8'

### Photometry

#### 4' FluxStream LED industrial, 4000 nominal delivered lumens

LER - 134

<b>Catalog No.</b> FSI440L840-UNV-DIM <b>Test No.</b> 37260 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 4169 <b>Input Watts</b> 31	<b>Candlepower</b> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>1354</td><td>1354</td><td>1354</td><td>1354</td></tr> <tr><td>5</td><td>1329</td><td>1344</td><td>1355</td><td>1344</td></tr> <tr><td>15</td><td>1273</td><td>1287</td><td>1297</td><td>1287</td></tr> <tr><td>25</td><td>1161</td><td>1173</td><td>1185</td><td>1173</td></tr> <tr><td>35</td><td>1005</td><td>1021</td><td>1035</td><td>1021</td></tr> <tr><td>45</td><td>822</td><td>850</td><td>867</td><td>850</td></tr> <tr><td>55</td><td>623</td><td>657</td><td>688</td><td>657</td></tr> <tr><td>65</td><td>389</td><td>432</td><td>480</td><td>432</td></tr> <tr><td>75</td><td>196</td><td>257</td><td>306</td><td>257</td></tr> <tr><td>85</td><td>38</td><td>116</td><td>170</td><td>116</td></tr> </tbody> </table>	Angle	End	45	Cross	Back-45	0	1354	1354	1354	1354	5	1329	1344	1355	1344	15	1273	1287	1297	1287	25	1161	1173	1185	1173	35	1005	1021	1035	1021	45	822	850	867	850	55	623	657	688	657	65	389	432	480	432	75	196	257	306	257	85	38	116	170	116	<b>Light Distribution</b> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1032</td><td>24.8</td></tr> <tr><td>0-40</td><td>1671</td><td>40.1</td></tr> <tr><td>0-60</td><td>2909</td><td>69.8</td></tr> <tr><td>0-90</td><td>3735</td><td>89.6</td></tr> <tr><td>90-180</td><td>434</td><td>10.4</td></tr> <tr><td>0-180</td><td>4169</td><td>100</td></tr> </tbody> </table>	Degrees	Lumens	% Luminaire	0-30	1032	24.8	0-40	1671	40.1	0-60	2909	69.8	0-90	3735	89.6	90-180	434	10.4	0-180	4169	100	<b>Average Luminance</b> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45'</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>9841</td><td>8203</td><td>7856</td></tr> <tr><td>55</td><td>9067</td><td>7154</td><td>6893</td></tr> <tr><td>65</td><td>7513</td><td>5586</td><td>5569</td></tr> <tr><td>75</td><td>5919</td><td>4246</td><td>4386</td></tr> <tr><td>85</td><td>2778</td><td>2767</td><td>3295</td></tr> </tbody> </table>	Zone	End	45'	Cross	45	9841	8203	7856	55	9067	7154	6893	65	7513	5586	5569	75	5919	4246	4386	85	2778	2767	3295																																						
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#### 4' FluxStream LED industrial, 5500 nominal delivered lumens

LER - 131

<b>Catalog No.</b> FSI455L840-UNV-DIM <b>Test No.</b> 37263 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 5826 <b>Input Watts</b> 45	<b>Candlepower</b> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>1890</td><td>1890</td><td>1890</td><td>1890</td></tr> <tr><td>5</td><td>1857</td><td>1877</td><td>1895</td><td>1877</td></tr> <tr><td>15</td><td>1779</td><td>1797</td><td>1812</td><td>1797</td></tr> <tr><td>25</td><td>1622</td><td>1639</td><td>1655</td><td>1639</td></tr> <tr><td>35</td><td>1403</td><td>1426</td><td>1443</td><td>1426</td></tr> <tr><td>45</td><td>1146</td><td>1186</td><td>1207</td><td>1186</td></tr> <tr><td>55</td><td>867</td><td>917</td><td>955</td><td>917</td></tr> <tr><td>65</td><td>580</td><td>643</td><td>698</td><td>643</td></tr> <tr><td>75</td><td>273</td><td>355</td><td>420</td><td>355</td></tr> <tr><td>85</td><td>52</td><td>157</td><td>227</td><td>157</td></tr> </tbody> </table>	Angle	End	45	Cross	Back-45	0	1890	1890	1890	1890	5	1857	1877	1895	1877	15	1779	1797	1812	1797	25	1622	1639	1655	1639	35	1403	1426	1443	1426	45	1146	1186	1207	1186	55	867	917	955	917	65	580	643	698	643	75	273	355	420	355	85	52	157	227	157	<b>Light Distribution</b> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1441</td><td>24.7</td></tr> <tr><td>0-40</td><td>2332</td><td>40</td></tr> <tr><td>0-60</td><td>4061</td><td>69.7</td></tr> <tr><td>0-90</td><td>5235</td><td>89.9</td></tr> <tr><td>90-180</td><td>591</td><td>10.1</td></tr> <tr><td>0-180</td><td>5826</td><td>100</td></tr> </tbody> </table>	Degrees	Lumens	% Luminaire	0-30	1441	24.7	0-40	2332	40	0-60	4061	69.7	0-90	5235	89.9	90-180	591	10.1	0-180	5826	100	<b>Average Luminance</b> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45'</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>13940</td><td>11633</td><td>11115</td></tr> <tr><td>55</td><td>12829</td><td>10137</td><td>9731</td></tr> <tr><td>65</td><td>11386</td><td>8444</td><td>8240</td></tr> <tr><td>75</td><td>8350</td><td>5950</td><td>6110</td></tr> <tr><td>85</td><td>3879</td><td>3801</td><td>4477</td></tr> </tbody> </table>	Zone	End	45'	Cross	45	13940	11633	11115	55	12829	10137	9731	65	11386	8444	8240	75	8350	5950	6110	85	3879	3801	4477																																						
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75	8350	5950	6110																																																																																																																																										
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#### 4' FluxStream LED industrial, 7000 nominal delivered lumens

LER - 126

<b>Catalog No.</b> FSI470L840-UNV-DIM <b>Test No.</b> 37266 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 7302 <b>Input Watts</b> 58	<b>Candlepower</b> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>2356</td><td>2356</td><td>2356</td><td>2356</td></tr> <tr><td>5</td><td>2316</td><td>2341</td><td>2352</td><td>2341</td></tr> <tr><td>15</td><td>2217</td><td>2243</td><td>2251</td><td>2243</td></tr> <tr><td>25</td><td>2021</td><td>2044</td><td>2060</td><td>2044</td></tr> <tr><td>35</td><td>1749</td><td>1780</td><td>1800</td><td>1780</td></tr> <tr><td>45</td><td>1431</td><td>1482</td><td>1508</td><td>1482</td></tr> <tr><td>55</td><td>1083</td><td>1146</td><td>1196</td><td>1146</td></tr> <tr><td>65</td><td>723</td><td>806</td><td>878</td><td>806</td></tr> <tr><td>75</td><td>341</td><td>446</td><td>555</td><td>446</td></tr> <tr><td>85</td><td>65</td><td>197</td><td>292</td><td>197</td></tr> </tbody> </table>	Angle	End	45	Cross	Back-45	0	2356	2356	2356	2356	5	2316	2341	2352	2341	15	2217	2243	2251	2243	25	2021	2044	2060	2044	35	1749	1780	1800	1780	45	1431	1482	1508	1482	55	1083	1146	1196	1146	65	723	806	878	806	75	341	446	555	446	85	65	197	292	197	<b>Light Distribution</b> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1796</td><td>24.6</td></tr> <tr><td>0-40</td><td>2910</td><td>39.8</td></tr> <tr><td>0-60</td><td>5070</td><td>69.4</td></tr> <tr><td>0-90</td><td>6561</td><td>89.8</td></tr> <tr><td>0-180</td><td>741</td><td>10.2</td></tr> <tr><td>90-180</td><td>7302</td><td>100</td></tr> </tbody> </table>	Degrees	Lumens	% Luminaire	0-30	1796	24.6	0-40	2910	39.8	0-60	5070	69.4	0-90	6561	89.8	0-180	741	10.2	90-180	7302	100	<b>Average Luminance</b> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45'</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>17123</td><td>14302</td><td>13665</td></tr> <tr><td>55</td><td>15774</td><td>12468</td><td>11991</td></tr> <tr><td>65</td><td>13989</td><td>10409</td><td>10192</td></tr> <tr><td>75</td><td>10286</td><td>7355</td><td>7951</td></tr> <tr><td>85</td><td>4793</td><td>4693</td><td>5669</td></tr> </tbody> </table>	Zone	End	45'	Cross	45	17123	14302	13665	55	15774	12468	11991	65	13989	10409	10192	75	10286	7355	7951	85	4793	4693	5669																																						
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# FSI FluxStream LED industrial

4' and 8'

## Accessories



Accessory Catalog Code	Description
FSTH	Sliding hanger bracket (pair)
SV5F12	12" Stem and canopy kit
SV5F18	18" Stem and canopy kit
SV5F24	24" Stem and canopy kit
SV5F36	36" Stem and canopy kit
SV5F48	48" Stem and canopy kit
FKR-126	Chain hanger set (pair)
DACHxx	Adjustable cable hanger kit (single)
DACHxx-1-SC	Adjustable cable hanger kit with white straight 18/3 cord (single)
DACHxx-1-CC	Adjustable cable hanger kit with white coiled 18/3 cord (single)
DACHxx-2-SC	Adjustable cable hanger kit with white straight 18/4 cord (single)
DACHxx-2-CC	Adjustable cable hanger kit with white coiled 18/4 cord (single)
DACHxx-1D-SC	Adjustable cable hanger kit with white straight 18/5 cord with dimming leads (single)
LSXR10	Low bay pir motion sensor (120-277v)
LSXR10ADC	Low bay pir motion sensor with photocell and hi/lo trim dimming (120-277v)
FSIWG4	4' Wire Guard (Order two for 8' models)
FSID4L	4' Diffuse Replacement Lens (Order two for 8' models)

White stem and canopy kit, 1/4" trade size (1/2" O.D.) locknuts included. Works with 9/16" k.O. on base of housing.

Includes two 5' heavy duty link chains with "V" hooks. Attaches to base of housing.

Works with 1/4" hole on base of housing or FSTH hanger bracket.

xx=cable length in inches, enter 48" to 180" lengths in 12" increments

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