# Day-Brite CFI
## by Signify

## Recessed

### FluxPanel LED 1x4

Up to 4500 lumens

LED

Project:
Location:
Cat.No:
Type:
Lamps:          Qty:
Notes:

Day-Brite/CFI FluxPanel LED recessed is a highly versatile luminaire designed to provide smooth lighting gradient on the lens surface and ease of installation. Available for use in recessed, suspended, and surface mount orientation, FluxPanel is ideal for general lighting applications such as open office, schools, healthcare, and retail.

## Ordering guide — Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

Example: 1FXP38L840-4-DS-UNV-DIM-EMLED7

| Width | Family | Lumens | Color | Length | Diffuser | Voltage | Driver | Options [2] |
|---|---|---|---|---|---|---|---|---|
| 1 | FXP | | – | 4 – | DS – | – | – | |
| 1  1' | FXP FluxPanel | **Standard configurations**[4] <br> 30L 3000 nominal delivered lumens <br> 38L 3800 nominal delivered lumens <br> 45L 4500 nominal delivered lumens <br><br> **Base configuration**[5] <br> 38B 3800 nominal delivered lumens | 835 80 CRI, 3500K <br> 840 80 CRI, 4000K <br> 850 80 CRI, 5000K | 4  4' | DS Diffuse (smooth) | UNV Universal Voltage, 120–277 volt <br><br> 120[3] 120V <br> 277[3] 277V <br> 347 347V | DIM[1,7] 0–10V dimming <br><br> SDIM Step dimming to 40% input power <br><br> XDIM[3] MarkX phase dimming | F1 3/8" flex, 3 wire 18 gauge 6' <br> F2 3/8" flex, 4 wire 18 gauge 6' <br> F1/D 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires <br> F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires <br> F2/6W 3/8" single flex, 6 wire 18 gauge 6' for dimmable and emergency luminaires <br> GLR Fusing, fast blow <br> EMLED Bodine BSL310 10W battery pack <br> EMLED7 Bodine BSL17 7W battery pack <br> CHIC Chicago Plenum rated <br> IAP[6] Integral Interact Pro RF sensor, enables network lighting control |

## Accessories (order separately)

- **FMA14** – 1'x4' "F" mounting frame for NEMA "F" mounting
- **FSK14** – 1'x4' surface mount field installation kit (factory sealed welded seams)
- **FSF14** – 1'x4' surface mount field assembly kit (field assembled)
- **4PCH48-1-SC** – adjustable cable hanger kit for 1x4 with straight white 18/3 cord (two-1 powered, 1 non-powered)
- **4PCH48-1D-SC** – adjustable cable hanger kit for 1x4 with straight white 18/5 cord for dimming (two-1 powered, 1 non-powered)

## Energy data

| Luminaire | Catalog Number | Input Power | Efficacy |
|---|---|---|---|
| **1x4 Standard** | 1FXP30L840 | 27 | 115 |
| | 1FXP38L840 | 33 | 114 |
| | 1FXP45L840 | 39 | 111 |
| **1x4 Base** | 1FXP38B840 | 34 | 107 |

## Footnotes

1. 0-10v dimming to 1% for Standard, and 10% for Base configurations
2. All options available with Standard configurations only
3. XDIM requires 120V or 277V specification
4. Standard configurations are packaged one unit per carton
5. Base configurations are packaged two units per carton, and sold in even quantities only
6. Specify DIM driver option only.
7. Integral IAP option dimmable to 5% via wireless wall switch. See page 2.

DLC QPL LISTED    c UL us    c ETL us INTERTEK LISTED    interact ready.

# 1FXP   FluxPanel LED recessed 1x4

## Up to 4500 lumens

### Application

- 7/16" ultra shallow light guide profile.
- Overall 1-15/16" deep luminaire, including driver box, provides minimal intrusion into the plenum space.
- Even distribution of light on the lens provides exceptionally low glare gradient minimizing distractions at the ceiling plane.
- General light distribution creates uniform horizontal and vertical illuminance on the work plane and limits scalloping on the walls.
- Excellent consistency of correlated color temperature (CCT) per ANSI C78.377.
- CRI 80 minimum color rendering with balanced spectrum.
- Designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceiling T-bars. Drywall or plaster application require use with the FMA14 "F" mounting frame accessory (sold and shipped separately).
- Accessory field install kits available for surface (FSK14) and suspended (4PCH48) mounting.

### Construction/Finish

- Extruded aluminum frame post painted with gloss white enamel finish.  Corners are precision welded for seamless aesthetic.
- Emergency options available with factory installed battery pack and remote field installed test switch/light with cover plate.
- Die formed driver box with standard access plate for ease of wiring, provides tool-free access to driver(s) from above.
- Edge lit LED arrays provide highly efficient and unpixilated transfer of light to the light guide panel.
- Integral clips accommodate definitive attachment to T-bar grid for recessed applications.
- Die formed surface box accessory kit post painted gloss white enamel.
- Suspended accessory kits available, include cables, luminaire mounting clips, and adjustable connectors.

- All Base configurations are shipped two luminaires per master carton.  Standard configurations are one luminaire per master carton.

### Enclosure

- Acrylic diffuser provides visual comfort and high efficiency.
- Flat opal lens is easy to clean and provides a uniform aesthetic on the ceiling plane.
- Tight enclosure assembly impedes ingress of dust and insects.

### Electrical

- Up to 112 lm/W efficacy.
- High efficiency Advance driver featuring high power factor (>0.90), 120–277V 60/50Hz, and less than 15% THD.
- Minimum start temperature –20°C (–4°F).
- Standard configurations are 0-10V dimming to 1%. Base configurations are to 5%.
- To predict lumen output in emergency mode, multiply emergency pack wattage by luminaire efficacy, then by 1.10.  Typical lumen output is 1200lm for EMLED, and 850lm for EMLED7.
- Electromagnetic interference (EMI) compliant to FCC Title 47 Part 15 class A.
- Flicker and stroboscopic effect compliant to NEMA 77-2017.
- TM-21 predicted L70 lumen maintenance up to 81,000 hours per LED manufacturer LM-80 report.
- cULus (Base) or cETLus (Standard) listed to UL and CSA standards, suitable for damp locations.
- Base configurations are non-IC rated. Standard configurations are IC rated.
- FluxPanel luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
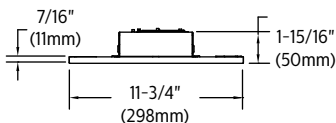
### General Notes

- All options factory installed.
- All accessories are field installed.
- 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.
- Five year limited luminaire warranty includes LED boards and driver. Visit **www.signify.com/warranties** for complete warranty information.

### Interact Pro (IAP)

- Interact Pro brings the power of connected lighting to small and medium businesses without the complexity usually associated with connected lighting.
- Interact Pro includes an app, a portal and a broad portfolio of wireless Luminaires, lamps and retrofit kits all working on the same system.
- Commissioning via Interact Pro App (Android or iPhone)
- Prepare commissioning remotely via Interact Pro portal
- Requires compatible Interact Pro Gateway and internet connectivity for commissioning
- Compatible with UID8451/10 ZigBee Greenpower wireless dimmer switch
- Compatible with wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) or wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1)
- Interact Pro sensor attaches to adjacent t-bar, signal propagation from above ceiling
- For more information on Interact Pro visit: **www.interact-lighting.com/pro**
- For more information on Interact Ready visit: **www.philips.com/interact-ready**

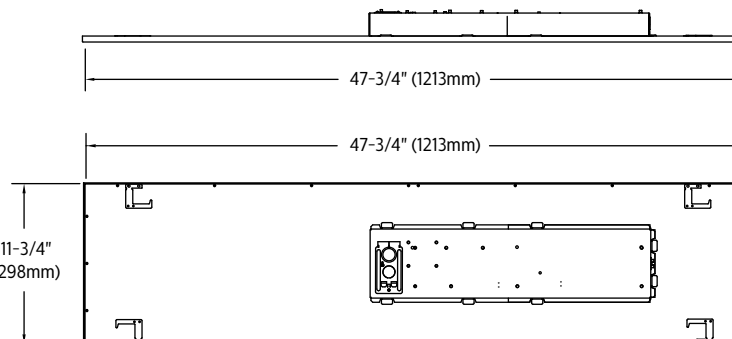### Dimensions

7/16" (11mm)

1-15/16" (50mm)

11-3/4" (298mm)

**Note**: Base configurations are 1-15/16" deep. Standard configurations are 2-1/8" deep.

Emergency driver box shown is 20.5" (521mm) long.

Standard non-EM driver box is 10.5" (267mm) long

47-3/4" (1213mm)

47-3/4" (1213mm)

11-3/4" (298mm)

# 1FXP  FluxPanel LED recessed 1x4

## Up to 4500 lumens

### Photometry

#### 1x4 FluxPanel LED, 3800 nominal delivered lumens 3500K

| | |
|---|---|
| **Catalog No.** | 1FXP38B835-4-DS-UNV-DIM |
| **Test No.** | 38554 |
| **S/MH** | 1.3 |
| **Lamp Type** | LED |
| **Lumens/Lamp** | 3604 |
| **Input Watts** | 33 |

Comparative yearly lighting energy cost per 1000 lumens − **$2.22** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

**Candlepower**

| Angle | End | 45 | Cross |
|---|---|---|---|
| 0 | 1257 | 1257 | 1257 |
| 5 | 1233 | 1254 | 1263 |
| 15 | 1193 | 1213 | 1222 |
| 25 | 1113 | 1129 | 1136 |
| 35 | 995 | 1009 | 1010 |
| 45 | 845 | 854 | 853 |
| 55 | 666 | 670 | 665 |
| 65 | 433 | 434 | 427 |
| 75 | 235 | 230 | 224 |
| 85 | 69 | 62 | 57 |

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**Light Distribution**

| Degrees | Lumens | % Luminaire |
|---|---|---|
| 0-30 | 980 | 27.2 |
| 0-40 | 1610 | 44.7 |
| 0-60 | 2860 | 79.4 |
| 0-90 | 3603 | 100.0 |
| 0-180 | 3604 | 100.0 |

**Average Luminance**

| Angle | End | 45° | Cross |
|---|---|---|---|
| 45 | 3970 | 4015 | 4009 |
| 55 | 3860 | 3881 | 3856 |
| 65 | 3406 | 3409 | 3361 |
| 75 | 3020 | 2952 | 2880 |
| 85 | 2647 | 2368 | 2158 |

**Coefficients of Utilization**

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

| pcc | 80 | | | 70 | | | 50 | |
|---|---|---|---|---|---|---|---|---|
| pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 |
| 1 | 109 | 104 | 100 | 106 | 102 | 97 | 96 | 93 |
| 2 | 98 | 91 | 83 | 95 | 89 | 81 | 84 | 80 |
| 3 | 90 | 79 | 70 | 88 | 78 | 69 | 75 | 68 |
| 4 | 81 | 69 | 61 | 80 | 68 | 60 | 67 | 58 |
| 5 | 76 | 63 | 54 | 73 | 61 | 53 | 59 | 52 |
| 6 | 69 | 56 | 47 | 68 | 56 | 46 | 54 | 46 |
| 7 | 65 | 51 | 41 | 63 | 50 | 41 | 48 | 40 |
| 8 | 59 | 46 | 38 | 58 | 46 | 38 | 45 | 36 |
| 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 34 |
| 10 | 53 | 40 | 32 | 52 | 39 | 30 | 38 | 30 |

#### 1x4 FluxPanel LED, 3800 nominal delivered lumens 4000K

| | |
|---|---|
| **Catalog No.** | 1FXP38B840-4-DS-UNV-DIM |
| **Test No.** | 38051 |
| **S/MH** | 1.3 |
| **Lamp Type** | LED |
| **Lumens/Lamp** | 3610 |
| **Input Watts** | 34 |

Comparative yearly lighting energy cost per 1000 lumens − **$2.24** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

**Candlepower**

| Angle | End | 45 | Cross |
|---|---|---|---|
| 0 | 1234 | 1234 | 1234 |
| 5 | 1219 | 1230 | 1231 |
| 15 | 1179 | 1189 | 1189 |
| 25 | 1099 | 1105 | 1103 |
| 35 | 980 | 985 | 982 |
| 45 | 829 | 832 | 827 |
| 55 | 652 | 652 | 648 |
| 65 | 457 | 455 | 453 |
| 75 | 258 | 256 | 257 |
| 85 | 76 | 74 | 82 |

### LER − 107

**Light Distribution**

| Degrees | Lumens | % Luminaire |
|---|---|---|
| 0-30 | 961 | 26.6 |
| 0-40 | 1576 | 43.7 |
| 0-60 | 2798 | 77.5 |
| 0-90 | 3608 | 99.9 |
| 0-180 | 3610 | 100.0 |

**Average Luminance**

| Angle | End | 45° | Cross |
|---|---|---|---|
| 45 | 3895 | 3911 | 3889 |
| 55 | 3776 | 3776 | 3754 |
| 65 | 3592 | 3580 | 3565 |
| 75 | 3309 | 3285 | 3294 |
| 85 | 2891 | 2811 | 3112 |

**Coefficients of Utilization**

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

| pcc | 80 | | | 70 | | | 50 | |
|---|---|---|---|---|---|---|---|---|
| pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 |
| 1 | 108 | 103 | 98 | 106 | 101 | 96 | 96 | 93 |
| 2 | 97 | 90 | 82 | 95 | 88 | 81 | 83 | 79 |
| 3 | 90 | 79 | 69 | 86 | 77 | 68 | 73 | 67 |
| 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 | 57 |
| 5 | 75 | 61 | 53 | 72 | 60 | 52 | 58 | 51 |
| 6 | 68 | 56 | 46 | 67 | 55 | 46 | 53 | 45 |
| 7 | 64 | 51 | 41 | 63 | 50 | 40 | 47 | 40 |
| 8 | 59 | 46 | 38 | 57 | 45 | 36 | 44 | 36 |
| 9 | 56 | 41 | 34 | 54 | 41 | 34 | 40 | 33 |
| 10 | 52 | 39 | 30 | 51 | 39 | 30 | 38 | 29 |

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