PHILIPS
Day-Brite
CFI

Recessed

FluxPanel LED 1x4

Up to 4500 lumens

LED

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Philips Day-Brite/Philips 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]	835 80 CRI, 3500K	4 4'	DS Diffuse (smooth)	UNV Universal Voltage, 120-277 volt	DIM[1] 0-10V dimming	F1 3/8" flex, 3 wire 18 gauge 6'
		30L 3000 nominal delivered lumens	840 80 CRI, 4000K				SDIM Step dimming to 40% input power	F2 3/8" flex, 4 wire 18 gauge 6'
		38L 3800 nominal delivered lumens				120[3] 120V		F1/D 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires
		45L 4500 nominal delivered lumens				277[3] 277V	XDIM[3] MarkX phase dimming	F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires
						347 347V		F2/6W 3/8" single flex, 6 wire 18 gauge 6' for dimmable and emergency luminaires
		Base configuration[5]						GLR Fusing, fast blow
		38B 3800 nominal delivered lumens						EMLED Bodine BSL310 10W battery pack
								EMLED7 Bodine BSL17 7W battery pack
								CHIC Chicago Plenum rated
								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.

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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 Philips 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).
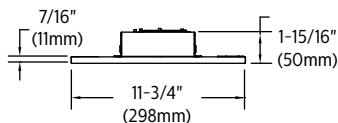
General Notes

- 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.philips.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)

- For more information on Interact Pro visit: **www. interact-lighting.com/pro**

- For more information on Interact Ready visit: **www.philips.com/interactready**

Dimensions

7/16" (11mm)

1-15/16" (50mm)

11-3/4" (298mm)
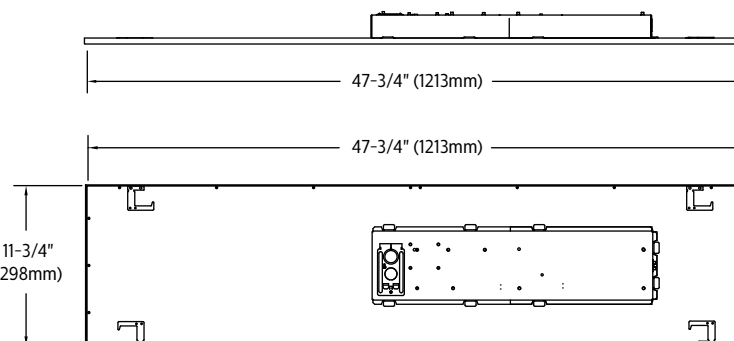
Note: Base configurations are 1-15/16" deep. Standard configurations are 2-1/8" deep.

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

1x4 FluxPanel LED, 3800 nominal delivered lumens 3500K

LER − 108

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

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

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 Philips 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.

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

LER − 107

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

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

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 Philips 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.

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