



FluxPanel 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 gen 2 is ideal for general lighting applications such as open office, schools, healthcare, clean rooms, and retail.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Qty: _____

Notes: _____

Ordering guide

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

Example: **1FPZ38L840-4-DS-UNV-DIM-EM06**

Family	Lumens (nominal delivered)	Color (CRI / CCT)	Length	Diffuser	Voltage	Driver	Options ²
1FPZ			4				
1FPZ 1ft FluxPanel gen 2	Base config³ 38B 3800lm 45B 4500lm 54B 5400lm	830 CRI 80, 3000K 835 CRI 80, 3500K 840 CRI 80, 4000K 850 CRI 80, 5000K 930 CRI 90, 3000K 935 CRI 90, 3500K 940 CRI 90, 4000K 950 CRI 90, 5000K	4 4ft	DS Diffuse Smooth ADS Acrylic Diffuse Smooth A12 Diffuse Prismatic	UNV Universal Voltage, 120-277V 347 347V	DIM¹ 0-10V dimming SDIM Step dimming to 30% input power	F1 3/8" Flex, 18 ga., 6', 3-wire (non-dimming) F2 3/8" Flex, 18 ga., 6', 4-wire (non-dimming, emergency) F1/D⁶ 3/8" Twin Flex, 18 ga., 6', 3-wire and 2-wire (dimming) F2/5W⁶ 3/8" Flex, 18 ga., 6', 5-wire (dimming) F2/6W⁶ 3/8" Flex, 18 ga., 6', 6-wire (dimming, emergency) GLR Fusing, fast blow DSC Quick driver disconnect CHIC Chicago Plenum rated ER100^{3,4,7,10} UL924 listed sensor bypass relay, factory installed between driver & sensor EM10^{4,7,9} Bodine 10W battery pack EM06^{4,7,9} Bodine 6W battery pack SWZCSR^{1,3,5,7,8} Remote Interact wireless sensor. with integral daylight & occupancy sensing, advanced grouping with dwell time SWZCS^{1,3,7,8,9} Interact wireless sensor. with integral daylight & occupancy sensing, advanced grouping with dwell time RADIO^{1,3,4,5,7} Interact RF sensor for wireless connectivity only, no sensing DAYOCC^{3,7,9} Basic Daylight & Occupancy BAC¹¹ Meets the requirements of the Buy American Act of 1933 (BAA) BABAF¹¹ Meets the requirements of the Build America Buy America Act for projects funded through FHWA that are obligated before October 1, 2026, and meets the Buy America preferences for FTA
	Standard configs 15L 1500lm 30L 3000lm 38L 3800lm 45L 4500lm 50L 5000lm						
	Other lumen packages may be ordered in increments of 100 lumens from 1500lm to 5000lm						

- Integral control options dimmable to 1% via wireless wall switch. Non-controls options are 0-10V dimmable to 1% for Standard configurations and 5% for Base configurations.
- All options only available with Standard configurations.
- Specify DIM driver option only.
- Not available with 347V option.
- Not available with surface or suspended accessories.
- Flex with dimming not available with Interact sensors.
- Emergency and Interact options not clean room certified, nor NSF listed.
- Must order IRT9015 Interact commissioning remote with each system order.
- Specify ADS Diffuser for integral controls, or for an integral EM test switch with EM options.
- Must be ordered with an integral controls option.
- Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Genlyte's products with a BAC option code designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. "BABAF" designates the product will meet the standards set by FHWA for BABA and FTA for Buy America. As noted, for FHWA BABA compliance, applicable projects must be funded by October 1, 2026.
- Consult Genlyte to confirm whether specific accessories are BAA-compliant.
- Third party sensors also available, please enquire about options for Lutron Athena, Vive, or others.

Accessories¹² (order separately)

- FMA14FP:** 1'x4' "F" mounting frame for NEMA "F" mounting.
- FSF14:** 1'x4' surface mount field assembly kit (field assembled).
- FPZCH48-1D-SC-UNV:** adjustable cable hanger kit with straight white 18/5 cord for dimming (two-1 powered, 1 non-powered).
- FPZCH48-1D-SC-347:** adjustable cable hanger kit with straight white 18/5 cord for dimming (two-1 powered, 1 non-powered).
- IRT9015:** handheld remote for grouping and configuration (at least one remote required for any SWZCS installation).

1FPZ FluxPanel

Recessed 1x4 at up to 5400 lumens

Application

- Base configurations are 1 9/16". Standard configurations are 3" Dimensions stated for overall depth, including driver box.
- 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 FMA14FP "F" mounting frame accessory (sold and shipped separately).
- Accessory field install kits available for surface (FSF14) and suspended (FPZCH48) mounting.

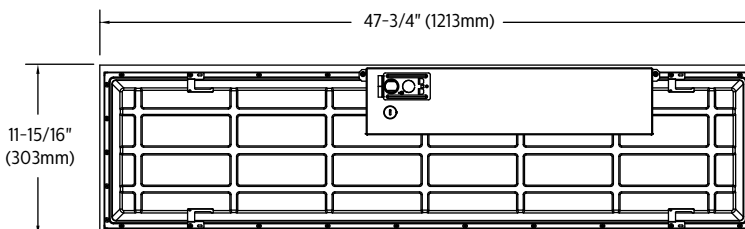
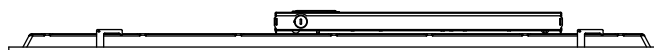
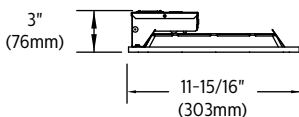
Enclosure

- 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.

Energy data

Luminaire	Catalog	Input Power	Efficacy	DLC
1x4 Standard	1FPZ15L840	12	124	Premium
	1FPZ30L840	25	122	Standard
	1FPZ38L840	30	126	Premium
	1FPZ45L840	38	121	Standard
	1FPZ50L840	42	120	Standard
1x4 Base	1FPZ38B840	30	110	Standard

Dimensions



Note: Base configurations are 1-9/16" deep. Standard configurations are 3" deep.

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

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

Electrical

- Up to 125 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 10W battery packs, and 850lm for 6W battery packs.
- 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 90,000 hours per LED manufacturer LM-80 report.
- cULus (Base) or cETLus (Standard) listed to UL and CSA standards, suitable for damp locations.
- Rated for NSF/ANSI 2 – Light fixture for Non Food Zone. Not intended for use in wet location nor hose down applications.
- Rated for clean room use – meets ISO14644-1 Class 5-9 (equivalent to Federal Standard No. 209E Class 100-100,000)
- Base and Standard configurations are IC rated.
- FluxPanel luminaires are Designlights Consortium® Standard qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Construction/Finish

- Die formed galvanized steel housing.
- 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.
- Die formed driver box with standard access plate for ease of wiring, provides tool-free access to driver(s) from above.
- Back lit LED arrays with optics provide highly efficient and unpixelated transfer of light to the diffuser.
- Integral clips accommodate definitive attachment to T-bar grid for recessed applications.
- Die formed surface box accessory kit post painted gloss white enamel.

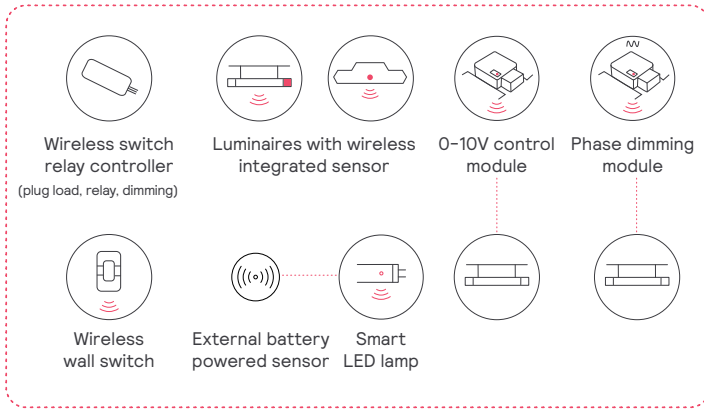
General Notes

- All options factory installed.
- All accessories are field installed.
- Declare label certified, ID SGY-0020 ([View full Declare label](#))
- 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.genlyte.com/en-us/support/warranties for complete warranty information.

1FPZ FluxPanel

Recessed 1x4 at up to 5400 lumens

@signify interact **Easy. Effective. Smart.**



Meet Interact

A smart, wireless luminaire level lighting control system (LLLLC). A complete solution that combines modern and intuitive technologies for easy installation and specification.

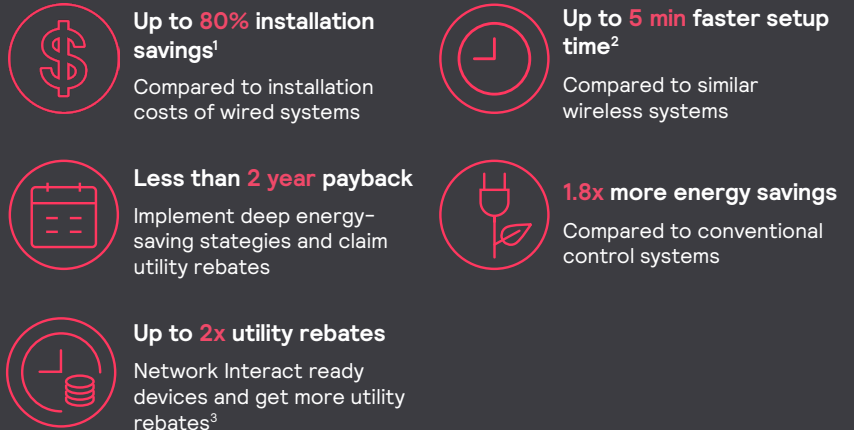
- Works with or without gateway
- **No** IT
- **No** light point restrictions
- **Up to 75%** out of the box savings
- **Fast & easy**
- **Code & rebates** compliant

Capabilities



*Grouping, zoning, dimming, high-end trimming, scenes, scheduling, manual controls

Benefits



1. Versus legacy systems based on installer interviews
2. Based on installer analysis done by Signify for a typical multi-zone space
3. Utility programs across US

Just lights and an App



1. Install the Interact ready fixtures with embedded smart sensor
2. Install the wireless wall switch
3. Configure your setup with the Interact App
4. Leverage the IRT9015 remote accessory to accelerate your setup process
5. Optionally add a gateway for insights and management

Learn more about Interact:

Interact includes an app, a web portal, and a comprehensive range of Interact ready wireless luminaires, lamps, retrofit kits, and control devices like switches and sensors that operate within the same system.



1FPZ FluxPanel

Recessed 1x4 at up to 5400 lumens

Controls Options*

Interact radio node for Standalone, Gateway & Gateway + IoT tiers (RA)

- RA sensor option is a connected radio node supporting wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact occupancy & daylight sensor for Standalone, Gateway & Gateway + IoT tiers (CS)

- The CS sensor option is a connected sensor with built-in occupancy and daylight detection, along with wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact advanced sensor bundle for Gateway + IoT tier (SB)

- SB sensor option offers occupancy and daylight sensing and supports advanced IoT capabilities, such as desk-level temperature and humidity monitoring, noise classification, and Bluetooth Low Energy (BLE) beacon functionality.
- Setup requires a compatible gateway and internet connectivity.
- With compatible gateway and software analytics, SB sensor option enables greater building efficiency, seamless system integration, and optimized space utilization through occupancy and environmental insights.

Interact for intelligent buildings sensor option codes across Genlyte product lines*

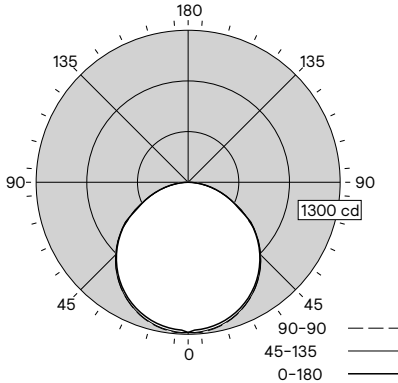
	Sensor part #	Daybrite	Ledalite	Lightolier
Zigbee + Bluetooth	SC100B	RADIO	RA	RA
Zigbee + Bluetooth + Sensing	SC200B	SWZCS	CS	SBA or SWCS accessory
Zigbee + Bluetooth + Sensing + Environmental data	SC1500	IAOSB	SB	SBA or SWCS accessory
Zigbee + Highbay + Bluetooth + Sensing	SNH210 IA	SWZCSH	-	-

1FPZ FluxPanel

Recessed 1x4 at up to 5400 lumens

1FPZ38L835-4-DS-UNV-DIM

Luminaire Lumens 3725
 Luminaire Efficacy Rating (LER) 123
 Total Luminaire Watts 30.2
 Spacing Criterion (0-180) 1.26



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1284	1284	1284	1284	1284	
5	1262	1282	1288	1282	1262	122
15	1222	1241	1246	1241	1222	350
25	1141	1158	1159	1158	1141	532
35	1022	1035	1035	1035	1022	646
45	866	877	875	877	866	674
55	682	689	685	689	682	610
65	444	447	453	447	444	446
75	249	248	248	248	249	263
85	71	69	76	69	71	82
90	5	10	30	10	5	

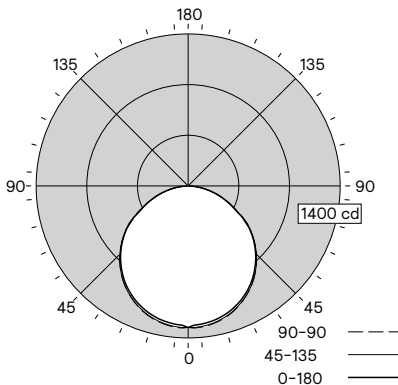
Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1003	26.9%	26.9%
0-40	1649	44.3%	44.3%
0-60	2933	78.7%	78.7%
0-90	3723	100.0%	100.0%
0-180	3725	100.0%	100.0%

Avg. Luminance (cd/m ²)			
	0	90	180
0	4616	4616	4616
5	4553	4647	4553
15	4545	4635	4545
25	4524	4595	4524
35	4482	4540	4482
45	4401	4447	4401
55	4271	4291	4271
65	3776	3848	3776
75	3455	3442	3455
85	2915	3113	2915

Coefficients of Utilization %												
Pc ---		80				70			50		0	
Pw ---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	119	119	119	119	116	116	116	111	111	111	100
	1	109	104	99	95	106	101	97	97	94	91	83
	2	99	90	83	78	96	88	82	85	79	75	69
	3	90	79	71	64	87	78	70	75	68	63	58
	4	82	70	61	54	80	69	60	66	59	53	50
	5	76	63	54	47	73	61	53	59	52	46	43
	6	70	56	47	41	68	55	47	54	46	40	37
	7	65	51	42	36	63	50	42	49	41	36	33
	8	60	47	38	32	59	46	38	44	37	32	29
	9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24	

1FPZ38L840-4-DS-UNV-DIM

Luminaire Lumens 3782
 Luminaire Efficacy Rating (LER) 126
 Total Luminaire Watts 30.0
 Spacing Criterion (0-180) 1.26



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1304	1304	1304	1304	1304	
5	1280	1302	1307	1302	1280	124
15	1239	1260	1265	1260	1239	355
25	1157	1175	1177	1175	1157	540
35	1036	1051	1051	1051	1036	655
45	879	891	888	891	879	684
55	692	699	696	699	692	620
65	451	453	459	453	451	453
75	253	252	251	252	253	266
85	72	70	77	70	72	83
90	5	10	29	10	5	

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1019	26.9%	26.9%
0-40	1674	44.3%	44.3%
0-60	2978	78.7%	78.7%
0-90	3781	100.0%	100.0%
0-180	3782	100.0%	100.0%

Avg. Luminance (cd/m ²)			
	0	90	180
0	4685	4685	4685
5	4617	4716	4617
15	4608	4706	4608
25	4589	4666	4589
35	4546	4609	4546
45	4468	4515	4468
55	4333	4361	4333
65	3833	3899	3833
75	3509	3488	3509
85	2969	3154	2969

Coefficients of Utilization %												
Pc ---		80				70			50		0	
Pw ---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	119	119	119	119	116	116	116	111	111	111	100
	1	109	104	99	95	106	101	97	97	94	91	83
	2	99	90	83	78	96	88	82	85	79	75	69
	3	90	79	71	64	87	78	70	75	68	63	58
	4	82	70	61	54	80	69	60	66	59	53	50
	5	76	63	53	47	73	61	53	59	52	46	43
	6	70	56	47	41	68	55	47	54	46	40	37
	7	65	51	42	36	63	50	42	49	41	36	33
	8	60	47	38	32	59	46	38	44	37	32	29
	9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24	

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