FIXTURE TYPE A- LOWER GARAGE LEVEL

Stonco KEENE | Garage & Canopy | LytePro | LPGC Garage and Canopy

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

Stonco Keene LytePro Garage and Canopy luminaires, powered by the cutting-edge SpiroGuide light engine, offer exceptional photometric performance and visually comfortable, lower glare lighting. Enhance a sense of security and enjoy energy savings with leading efficacy and multiple control options. LytePro Garage and Canopy is the perfect choice: It's easy to specify, easy to install, and easy on your budget. Includes Service Tag, Signify's innovative way to provide assistance throughout the life of the product.

Ordering guide — Example: LPGC-A03-840-SSQ-SUR-UNV-WAPLW-ER100-UPL-WH

Prefix	Configuration (nominal lumens)	Color Temperature	Distribution	Mounting	Voltage
LPGC	A01 2,000 lumens A03 4,000 lumens A05 6,000 lumens A04 7,500 lumens A06 10,000 lumens	830 800CRI, 3000K 840 800CRI, 4000K	SSQ Type 5 Square SQ3 Type 3 Concentrated Downlight	SUR Surface mount/indirect pendant (pendant and junction box by others) PEN Direct pendant mount, (pendant and junction box by others)	120V 120VAC 208V 208VAC 240V 240VAC 277V 277VAC UNV Universal 120-277VAC 347V 347VAC 480V 480VAC HVU High Voltage Universal 347-480VAC

Dimming Controls (choose only one D-10V dimming driver always standard)	Emergency (All Emergency options are limited to 497-820 due to thermal limitations. Not available for A04 and A05) (choose only one: only 120V, 208V, 240V, 277V, or UNV. No 347V, 480V or HVU)	Electrical	Uplight	Color
None Leave blank BL20MW Bi-level set at 20% dimming, factory re-programming only microwave motion sensor (only 120V, 208V, 240V, 277V, UNV, or 347V. No 480V or HVU). BLPPMW Bi-level set at 20% dimming, field programming with IR remote (see Accessories), microwave motion sensor (only 120V, 208V, 240V, 277V, or UNV. No 347V, 480V, or HVU). WAPLW Wireless Interact (includes SR sriver and SR sensor, sensor is for mounting height) sensor white color housing (only 120V, 208V, 240V, 277V, or UNV. No 347V, 480V or HVU).	None Leave blank BR UL924 listed emergency bypass relay to bypass MW dimming, (integral 1-(20°C to +40°C / -12°F to +104°F) (only for use with BL20MW or BLPPMW). ER100 UL924 listed emergency relay to bypass WAP wireless dimming, (integral 1-(20°C to +40 °C / -22°F to +104 °F) (only for use with WAPLW) (must be installed in conjunction with a UL1008 device such as a transfer switch at the electrical panel) EMF UL924 listed emergency bypass driver (-20°C / -4°F to +40°C / +32°F to +104°F)	None Leave blank FS0 Single Fuse (120V, 277V, or 347V - must specify expulsion input voltage, not available with 208V, 240V, UNV, 480V, or HVU) **Surge Protection** Blank SPI Surge Protector 10kA*10kA (standard)	Blank No uplight (standard if specified with either WO or WH color) UPL Uplight (WH translucent required, not available with WO)	MG Medium Gray (opaque) WH Luminous White (translucent)

1. WAPLW not available with EM due to fit restrictions.

LPGC LytePro Garage and Canopy

Garage & Canopy luminaire

Accessories' (ordered separately, field installed)

- **LPES** LEED and Perimeter External Shield, for LEED Light Pollution/Trespass reduction, reducing glare and property line light trespass outside garage
- **IRT801S** Handheld remote for programming and configuration of Wireless Interact WAPLW (at least 1 required per site or use the Interact Pro App)
- **HRP** Handheld remote for programming BLPPMW Microwave Sensor (at least 1 required per site)
- **BKK** Bird excluding spikes (Fits on Pendent – does not fit on end not necessary for Surface, negligible uplight impact)
- **J-BOX SCE** Junction box with (6) four side conduit entries, for surface conduit

LED Wattage and Lumen Values

No uplight - 80CRI

Ordering Code	Color Temp.	Average System Watts (W)	SSQ Lumen Output	SSQ BUG Rating	SSQ Efficacy (LPW)	SCO Lumen Output	SCO BUG Rating	SCO Efficacy (LPW)
LPGC-A01-830	3000	11	1885	B1-U0-G1	164	1898	B1-U0-G1	165
LPGC-A02-830	3000	22	3706	B2-U0-G1	167	3727	B2-U0-G1	168
LPGC-A03-830	3000	38	6071	B3-U0-G1	162	6104	B3-U0-G1	163
LPGC-A04-830	3000	47	7570	B3-U0-G1	160	7611	B3-U0-G1	161
LPGC-A05-830	3000	60	9431	B3-U0-G1	157	9482	B3-U0-G2	157
LPGC-A01-840	4000	11	2013	B1-U0-G1	176	2024	B1-U0-G1	177
LPGC-A02-840	4000	22	3957	B2-U0-G1	178	3979	B2-U0-G1	179
LPGC-A03-840	4000	38	6482	B3-U0-G1	173	6518	B3-U0-G1	174
LPGC-A04-840	4000	47	8082	B3-U0-G1	171	8128	B3-U0-G1	172
LPGC-A05-840	4000	60	10069	B3-U0-G2	167	10124	B3-U0-G2	168

With uplight - 80CRI

Ordering Code	Color Temp.	Average System Watts (W)	SSQ-UPL Lumen Output	SSQ-UPL BUG Rating	SSQ-UPL Efficacy (LPW)	SCO-UPL Lumen Output	SCO-UPL BUG Rating	SCO-UPL Efficacy (LPW)
LPGC-A01-830	3000	11	1843	B1-U3-G1	162	1850	B1-U3-G1	163
LPGC-A02-830	3000	24	3922	B2-U3-G1	164	3936	B2-U3-G1	164
LPGC-A03-830	3000	38	6027	B2-U3-G1	160	6047	B2-U3-G1	160
LPGC-A04-830	3000	48	7503	B3-U3-G1	157	7528	B3-U3-G1	158
LPGC-A05-830	3000	60	9248	B3-U4-G1	154	9280	B3-U4-G2	155
LPGC-A01-840	4000	11	1958	B1-U3-G1	171	1965	B1-U3-G1	172
LPGC-A02-840	4000	24	4165	B2-U3-G1	174	4180	B2-U3-G1	174
LPGC-A03-840	4000	38	6401	B3-U3-G1	170	6422	B2-U3-G1	170
LPGC-A04-840	4000	48	7968	B3-U4-G1	167	7995	B3-U4-G2	168
LPGC-A05-840	4000	60	9822	B3-U4-G1	164	9856	B3-U4-G2	164

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables. LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

EM Emergency mode

Ordering Code	Approximate average lumen output**	Recommended mounting height per IES RP-8

*For the EM emergency mode option, the published value is based on approximate averages across all CCTs and all distributions assuming a 10 foot mounting height to meet ANSI/IES RP-8 17.5.1.3 Recommended Light Levels for Walkways. Actual performance will vary based on application and it is recommended to confirm with a photometric layout to ensure it meets your applicable ordinances.

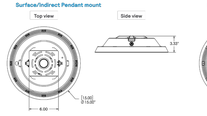
LPGC LytePro Garage and Canopy

Garage & Canopy luminaire

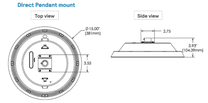
Dimension drawings

Approximate luminaire weight: 4.0 lbs (1.8 Kg)

Surface/Indirect Pendant mount

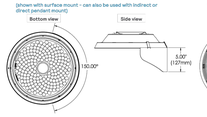


Direct Pendant mount



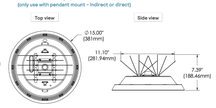
LPES LEED and Perimeter External shield

(shown with surface mount - can also be used with indirect or direct pendant mount)



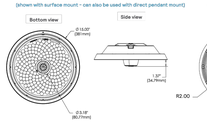
BKK Bird excluding spikes

(only use with pendant mount - indirect or direct)



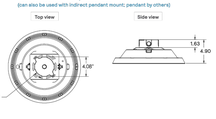
WAPLW Wireless Interact controls

(shown with surface mount - can also be used with direct pendant mount)



Surface mount conduit junction box

(can also be used with indirect pendant mount; pendant by others)



Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to installation and environmental variables. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Projected L70 hours listed could exceed 50,000 hours which LED data is based.

Ambient Temperature °C	t_{LED} per TM-21	Lumen Maintenance % at 60,000 hrs.

LPGC LytePro Garage and Canopy

Garage & Canopy luminaire

Specifications

Construction

Single-piece housing made of UV-resistant composite material for high resistance to corrosion, provides uplight (optional). Extended bead reduces transition zone while enhancing high-angle glare and helps shield LEDs from direct view. Tapered shape deters dirt accumulation, eases cleaning, and deters birds from sitting or nesting.

IP Rating

IP66 rated luminaire with seal around perimeter of the lens, all electrical components housed within IP66 seal. Includes breather element that equalizes pressure between luminaire interior and exterior environment and maintains it over time to prevent water entry and premature gasket failure.

IK Rating

IK10 high impact resistance rating for both the housing and the LED lens.

LED Thermal management

The luminaire design provides excellent thermal management critical to long LED, driver and system life. Product cooled through natural convection air flow without use of moving parts (only passive cooling).

Light engine

Composed of mid power LEDs on a metal core printed circuit board (MCPCB). Color temperatures per ANSI/NEMA bin Warm White 3000K nominal (3045 +/- 175K) 80CRI or Neutral White 4000K nominal (3985 +/- 275K) 80CRI. LEDs tested by ISO 17025 accredited lab in accordance with IESNA LM-80 guidelines, extrapolations in accordance with IESNA TM-21. Additional CCT & CRI are available - contact factory for details.

Optical system

Powered by the SpiroGuide light engine. LED lens made of high performance optical grade polycarbonate. Precisely aligned, isolated LED technology provides optimal light distribution balanced with lower glare, as well as uniform horizontal and vertical illumination with improved visual comfort. Type 5 Square, Symmetrical (SSQ) and Concentrated Downlight (SQ3) distributions available, designed for compliance to ANSI/IES RP-8. Consider Type 5 Square for general use in parking bays, as well as wall mount applications and perimeter mounted luminaires in conjunction with shielded LEED compliance, property cut-off, avoid light trespass; Concentrated Downlight and/or higher lumen configurations for perimeter mounted luminaires, for illumination of entrances, walkways, lobbies, and waiting areas, and for security lighting per IES G-1. No uplight standard, uplight optional to eliminate the cave effect. More uplight available - must contact factory prior to ordering. Performance tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance.

Electrical

Constant current electronic driver. High power factor (0.9 minimum). 50/60 Hz. Low THD (20% maximum). Quasi-short circuit protection and voltage surge protection. Operating temperature range -40°C to +40°C (-40°F to +104°F) standard with 85V on-board surge protection. Dimming driver standard 10V dimming to minimum 10% power. RoHS compliant. Driver enables setting LED drive current to meet your specific total wattage consumption, lumen output and/or efficacy needs, contact factory. When required, driver also enables field programming using an app communicating through the composite housing - please contact factory for assistance.

Surge protector standard and tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10KV/10KA waveforms for Line-Ground, Line-Neutral and Neutral-Ground. Optional enhanced surge protector 20KV/10KA may be available - must be contact factory prior to ordering. Surge protector wired in parallel so that if it fails open the luminaire will remain fit/powered on. When Emergency **EM** is chosen, two surge protectors are wired in series for complete protection. One surge protector may be for switched hot line.

Due to the inrush current that occurs with electronic drivers, recommend using a time delay or slow blow fuse to avoid unnecessary and unwanted fuse blowing that can occur with fast acting fuses.

Mounting

SUR: Surface mount. Provided with a die formed 20 ga. galvanized steel EZ-hang plate for mounting to a recessed or surface-mounted 4" (10.16 cm) junction box (by others) - flush ceiling mount to a recessed junction box, or direct mount to a surface-mounted junction box. Integral hanger tabs on the plate support the luminaire during wiring. Snap-in design (no hardware or tools required) secures luminaire for quick and easy installation. Includes minimum 12" (30.48 cm) wire that pass through IP66 rated grommet which seals around the wires. For indirect pendant mounting, order Surface Mount (SUR) and mount to a wet location junction box (by others) which you then direct mount onto rigid pendant (by others).

PEN: Direct pendant mount. Integral metal fitting with integral 3/4" NPT tapped hole for direct mounting onto rigid 3/4" pendant (by others). Includes minimum 38" (96.52 cm) wire that pass through IP66 rated grommet which seals around the wires.

Color

Composite housing is color-impregnated, either **MG** Medium Gray or **WH** Luminous White.

Hardware and Seals

Composite housing is also stainless steel and/or stainless steel hardware and capstan. All seals and sealing devices are made and/or lined with silicone and/or rubber.

LED Products Manufacturing Standard

The electronic components sensitive to electrostatic discharge (ESD) such as LEDs are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

LED Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each luminaire. Based on ISTMT in situ thermal testing in accordance with LJ.5598 and ULE850, exclusive Signify System Reliability Tool. Advance driver data and LED manufacturer LM-80-TM-21 data, expected to reach 100,000 + hours with BBOL80 lumen maintenance @ 50°C elevated ambient and 80,000+ hours with BBOL100 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED color shift, LED driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion.

Vibration resistance

Luminaire meets the ANSI C136.31-2018 & 2023 specifications for Level 2 (3G) Bridge and Overpass applications for Surface/Indirect Pendant and Direct Pendant mounts, tested by independent lab over 100,000 cycles in all directions.

Certifications and Compliance

cULus Listed & Canada and U.S. to the UL 1598 and UL8750 standards, suitable for Wet Locations. Suitable for use in ambients from -40°C (-40°F) to +40°C (+104°F). The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. Emergency Battery Backup option (**EM**) tested and listed emergency lighting device per UL 924 and CSA 22.2 No. 141. Emergency bypass relays UL 924 Listed. Select Buy American compliant configurations available, contact factory for Buy American classification. Consult DLC Qualified Products list to confirm your specific luminaire selection is approved. Controls options enable compliance with Outdoor lighting energy codes including ASHRAE 90.1, California Title 24, and IECC.

Limited Warranty

Five year limited warranty. See signify.com/warranties for complete details and exclusions.

LPGC LytePro Garage and Canopy

Garage & Canopy luminaire

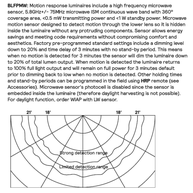
Specifications

Control Options

Note: 0-10V dimming driver standard.

Note: other controls can be integrated, contact factory.

BL20MW: Motion response luminaires include a high frequency microwave sensor, 5.8GHz+/- 75MHz microwave ISM continuous wave band with 360° coverage area, <0.5 mW transmitting power and <1 W standby power. Microwave motion sensor designed to detect motion through the lower lens so it is hidden inside the luminaire without any protruding components. Sensor allows energy savings and meeting code requirements without compromising comfort and aesthetics. Factory pre-programmed standard settings include a dimming level down to 20% and time delay of 3 minutes with no stand-by period. This means when no motion is detected for 3 minutes the sensor will dim the luminaire down to 20% of total lumen output. When motion is detected the luminaire returns to 100% full light output and will remain on full power for 3 minutes default prior to dimming back to low when no motion is detected. Other holding times and stand-by periods can be programmed in the field using **HRP** remote (see Accessories). Microwave sensor's photocell is disabled since the sensor is embedded inside the luminaire (Therefore daylight harvesting is not possible). For daylight function, order WAP with LM sensor.



Note: **BL20MW and BLPPMW** are both wired at the factory assuming luminaires are not on circuit(s) with switch(es). If switch(es) used, must contact factory prior to ordering.

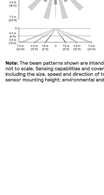
WAP with LM sensor: Scalable connected sensor with Interact occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the Foundation mode when configured without a gateway or in an Interact Advanced mode if a compatible gateway (can be added later) is used. Interact offers an app, a portal and a broad portfolio of Interact-ready Indoor and Outdoor luminaires, lamps and retrofit kits all working on the same system. Startup is implemented via Interact Pro App (available in IOS® or Android®) and Bluetooth® connectivity. The App provides flexibility to choose between a gateway or non-gateway mode for setup. Setup with the gateway requires wired Internet access to the gateway. Prepare project configuration steps remotely and use IRT801S remote accessory (ordered separately) or the App-site to identify and group devices together. WAP includes SR driver and SR receptacle. Daylight harvesting supported through the Interact app and requires Interact Hub. Sensors IP66 rated.

Compatible with the following (ordered separately):

- Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH

For more information on Interact visit:
www.interact-lighting.com/interactprocessableesystem

LW low sensor



Note: The beam patterns shown are intended solely as a general guide and are not to scale. Sensing capabilities and coverage area depend on many factors including: mounting height, ambient temperature, size of area and vehicles, sensor mounting height, environmental and site conditions, etc.

BLPPMW: Motion response luminaires include a high frequency microwave sensor, 5.8GHz+/- 75MHz microwave ISM continuous wave band with 360° coverage area, <0.5 mW transmitting power and <1 W standby power. Microwave motion sensor designed to detect motion through the lower lens so it is hidden inside the luminaire without any protruding components. Sensor allows energy savings and meeting code requirements without compromising comfort and aesthetics. Factory pre-programmed standard settings include a dimming level down to 20% and time delay of 3 minutes with no stand-by period. This means when no motion is detected for 3 minutes the sensor will dim the luminaire down to 20% of total lumen output. When motion is detected the luminaire returns to 100% full light output and will remain on full power for 3 minutes default prior to dimming back to low when no motion is detected. Other holding times and stand-by periods can be programmed in the field using **HRP** remote (see Accessories). Microwave sensor's photocell is disabled since the sensor is embedded inside the luminaire (Therefore daylight harvesting is not possible). For daylight function, order WAP with LM sensor.

EM Emergency Battery Pack: Optional internal emergency battery pack immediately detects normal AC power loss then provides emergency light output for a minimum of 90 minutes when power is lost compliant with UL 924/ CSA22.2 No. 141 and NFPA 101 Life Safety Code path of egress requirements. Battery pack is fully integrated into luminaire housing without impacting aesthetics. Optional emergency battery pack is not required. Not available for use with 347V, 480V, or HVU. Suitable for use in ambient temperature conditions from 0°C (+32°F) to +40°C (+104°F). Always includes surge protection for both the switched and unswitched lines to ensure complete protection.

Note that with this EM option, half of the downlight LED board will light up under emergency conditions to meet the minimum footcandle (fc) recommendation for Emergency Lighting from ANSI/IES RP-8 17.5.1.3, which specifies that luminaires should be arranged to provide initial illumination that is at least an average of 1fc at 40.1 meas/min. Recommended mounting height to meet ANSI/IES RP-8 is 10ft. Note that the EM emergency battery pack will not energize the uplight LED boards under emergency conditions.

LPGC LytePro Garage and Canopy

Garage & Canopy luminaire

Specifications

Emergency Options

BR (use with BLPPMW and BL20MW only): Optional UL924 Listed Emergency internal bypass relay. When normal AC power is lost, relay bypasses the Microwave Occupancy dimming sensor and forces luminaire to full light output via required direct, unswitched AC connection (see device manufacturer's wiring diagram). Not available for use with 347V, 480V, or HVU. Suitable for use in ambient temperature conditions from -25°C (-13°F) to +40°C (+104°F).

ER100 (use with WAPLW only): Optional UL924 Listed Emergency Internal bypass relay. When normal AC power is lost, relay bypasses WAP wireless dimming sensor and forces luminaire to full light output. Not available for use with 347V, 480V, or HVU. Suitable for use in ambient temperature conditions from -30°C (-22°F) to +40°C (+104°F).

Power Sensing (Factory default) – Recommended UL924 option requires uninterruptible power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output.

Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output, consult your local authority for UL924 applicability.

For more information on ER100 visit:
https://www.assets.signify.com/is/content/Signify/Assets/philips-lighting/united-states/20230503/ul-ner-100-specification.pdf

EM Emergency Battery Pack: Optional internal emergency battery pack immediately detects normal AC power loss then provides emergency light output for a minimum of 90 minutes when power is lost compliant with UL 924/ CSA22.2 No. 141 and NFPA 101 Life Safety Code path of egress requirements. Battery pack is fully integrated into luminaire housing without impacting aesthetics. Optional emergency battery pack is not required. Not available for use with 347V, 480V, or HVU. Suitable for use in ambient temperature conditions from 0°C (+32°F) to +40°C (+104°F). Always includes surge protection for both the switched and unswitched lines to ensure complete protection.

Note that with this EM option, half of the downlight LED board will light up under emergency conditions to meet the minimum footcandle (fc) recommendation for Emergency Lighting from ANSI/IES RP-8 17.5.1.3, which specifies that luminaires should be arranged to provide initial illumination that is at least an average of 1fc at 40.1 meas/min. Recommended mounting height to meet ANSI/IES RP-8 is 10ft. Note that the EM emergency battery pack will not energize the uplight LED boards under emergency conditions.

Integrated Feature

Please note that this integrated feature always come with this luminaire standard at no additional cost.

Service Tag: Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the app and register your product right away.

For more details visit: www.signify.com/global/service-tag

D:\RAMALO WARRICK\SCHEMATICS\2025\25005 - Santa Magdalena\25005_S15 Maple_ADT1.dwg 10/25/2025 5:23:55 PM Scale: Copyright RUST ORLING Architecture

FIXTURE TYPE B-UPPER GARAGE LEVEL

Day-Brite CFI by Signify | Recessed | FluxPanel LED gen 2 | 2 x 4 ft up to 8000 lumens

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

Day-Brite/CFI FluxPanel LED gen 2 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 gen 2 is ideal for general lighting applications such as open office, schools, healthcare, clean rooms, and retail.

Ordering guide

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

Example: 2FPZ4SL840-4-ADS-UNV-DIM-EM10

Family 2FPZ	Lumens (nominal delivered)	Color CRI / CCT	Length	Diffuser	Voltage	Driver	Options [1]
2FPZ 2ft. FluxPanel gen 2	**Base config*** 4ft 4200lm **Standard configs** 1SL 1500lm 2SL 3000lm 3SL 3800lm 4SL 4300lm 4SL 4800lm 5SL 5400lm 6SL 6000lm 7SL 7600lm 8SL 8000lm Other lumen outputs may be ordered in increments of 100lm from 1500lm to 8000lm	835 80 CRI, 3500K 840 80 CRI, 4000K 880 80 CRI, 5000K	4ft	DS Diffuser (smooth) ADS Acrylic Diffuser (smooth) AR2 Diffuser (Prismatic)	UNV Universal Voltage, 120-277V 120 120V 277 277V 347 347V	DIM* 0-10V dimming SDIM* Step dimming to 30% input power NLTM* Nightlight mode	F1 3/8" Flex, 18 gauge 6'; 3 leads include hot, neutral, ground F2 3/8" Flex, 18 gauge 6'; 8 leads include 2 hots, neutral, ground F1/D* 3/8" I-with flex, 18 gauge 6' for dimmable luminaires; 3 leads include 2 hot, neutral, ground F2/D* Flex 2, 3 leads, Dim + Dim F2/SN* 3/8" single flex, 18ga. 6' for dimmable luminaires; 5 leads include hot, neutral, ground, Dim + / Dim - F2/RN* 3/8" single flex, 18ga. 6' for dimmable & EM luminaires; 6 leads include 2 hot, neutral, ground, Dim + / Dim - GLR Fusing, fast blow DSC Quick disconnect CHSC Chicago Plenum rated BAC* Meets the requirements of the Buy American Act (BAA) ER100 [2,3,4,5,6] UL 924 listed sensor bypass relay, factory installed between driver & sensor EM10 [2,3,4,5] Bodine 10W battery pack EM20 [2,3,4,5] Bodine 20W battery pack SWZCSRM [2,3,5,6] Remote Interact wireless sensor: advanced grouping with dwell time SWZCS [2,3,5,6] Interact wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time RADIO [2,3,5,6] Interact RF sensor for wireless connectivity only, no sensing

1. Integral control options dimmable to 1% via wireless wall switch. Non-controls options are not dimmable. Contact factory for standard configurations and EIs for Base configurations.
2. All options only available with Standard configurations.
3. 3SDM is 120V only.
4. Not available with emergency.
5. Not available with 347V option.
6. 3DM max lumen output 50L/ ~85L requires ELV dimmer; ~85L requires Triac dimmer.
7. Not available with surface or suspended accessories.
8. Flex with dimming not available with Interact sensors.
9. Not available with Nightlight mode option. Not recommended nor NSF listed.
10. Must order IRT801S Interact commissioning remote with lower system order.
11. Must be installed in conjunction with a UL1008 device.
12. Not available with Buy American option.
13. 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 ensures compliance with the Buy American requirements of the Trade Agreements Act, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds pursuant to federal grants, loans, or cooperative agreements or contracts.
14. Consult Signify to confirm whether specific accessories are BAA compliant.
15. Specify ADS diffuser for integrated sensor or DM test switch.

Not all product variations listed on this page are DLC qualified. To ensure that a specific item is qualified, visit www.designlights.org/search

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Accessories [1] **(order separately)**

- **FMA2X4:** 2'x4' 1" mounting frame for NEMA 1X[2] mounting
- **FSK2X4:** 2'x4' surface-mount field installation kit (factory welded seams)
- **FSF2X4:** 2'x4' surface-mount field assembly kit (field assembled)
- **FP2D14S-1D-SC-UNV:** adjustable cable hanger kit with straight white 18/5 cord for dimming (two-1 powered, 1 non-powered).
- **FP2D14S-1D-SC-347:** adjustable cable hanger kit with straight white 18/5 cord for dimming (two-1 powered, 1 non-powered).
- **IRT801S:** handheld remote for grouping and configuration (at least one remote required for any SWZCS installation).

2FPZ FluxPanel

Recessed 2 x 4 ft up to 8000 lumens

Application

- Base configurations are 1 8/16" Standard configurations are 2 " 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 "Z") ceiling systems. Suitable for Wet Locations. Drywall or plaster application require use with the FMA14P "P" mounting frame accessory (sold and shipped separately).
- Accessory field-installed kits available for surface (FSF2X) and suspended (FP2D14S) mounting.

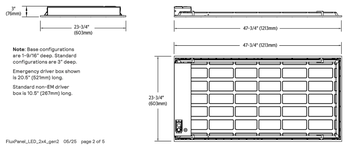
Enclosure

- Diffuser provides visual comfort and high efficiency.
- Flat optic 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
2x4 Standard	2FPZ1SL840	13	122	Standard
	2FPZ2SL840	25	132	Premium
	2FPZ3SL840	29	132	Premium
	2FPZ4SL840	30	132	Premium
	2FPZ4SL840	37	132	Premium
	2FPZ5SL840	43	130	Premium
	2FPZ6SL840	47	131	Premium
	2FPZ7SL840	56	127	Premium
	2FPZ8SL840	65	125	Premium
2x4 Base	2FPZ4BS840	40	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.

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Electrical

- Up to 125 lm/W efficacy.
- High efficiency Advance driver featuring high power factor, low THD, 120-277V 60/50Hz, and less than 10% flicker.
- Minimum start temperature -20°C (-4°F).
- Standard configurations are 0-10V dimming to 1%. Base configurations are to 0%.
- To predict lumen output in emergency battery backup mode, multiply by lamp lumens x efficacy, then by 1.10. Typical lumen output is 1200lm for 8SL/10LST, and 850lm for 8SL/8LST.
- Electromagnetic interference (EMI) compliant to FCC Title 47 Part 15 class A.
- Flicker and stroboscopic effect compliant to IEEE PAR 1789.
- TM-21 predicted L70 lumen maintenance up to 60,000 hours per LED manufacturer LM-80 report.
- cULus (Wet) 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 9-9 (equivalent to Federal Standard No. 209E Class 100-100,000)
- Base and Standard configurations are IC rated.
- FluxPanel luminaires are Designlights Consortium® 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 durable polyester powder. Corners are precision welded for seamless appearance.
- 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.
- Both LED and lens with optics provide highly efficient and unpolarized transfer of light to the work plane.
- Integral optics accommodate definitive performance to 7-foot grid for recessed applications.
- Die formed surface box accessory kit post painted gives white ensemble.

General Notes

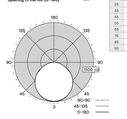
- All optical factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. Some of these plastics are petroleum 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.

2FPZ FluxPanel

Recessed 2 x 4 ft up to 8000 lumens

2FPZ4SL835-4-DS-UNV-DIM

Luminaire Lumens	4207
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	32.4
Spacing Criterion (D-180)	1.26



Candela Distribution

	0	22.5	45	67.5	90	Lumens
0	1488	1488	1488	1488	1488	
5	1479	1483	1488	1483	1479	141
15	1435	1433	1438	1433	1435	404
25	1328	1333	1333	1333	1328	614
35	1189	1189	1189	1189	1189	763
45	1008	1005	999	1005	1008	775
55	784	780	783	780	784	705
65	560	556	555	556	560	526
75	352	347	349	347	352	337
85	161	161	161	161	161	161
90	4	4	4	4	4	

Zonal Lumen Summary

Zone	Lumens	%Fixture	%Lamp
0-30	1159	28.8%	28.8%
0-40	1802	44.7%	44.7%
0-60	3081	76.3%	76.3%
0-90	4014	99.8%	99.8%
0-180	4217	100.0%	100.0%

Coefficients of Utilization %

Rho	70	50	30	10	70	50	30	10	0
Rho Eff	75	75	75	75	70	70