



Lumece **Square Lantern** LED pendant luminaires draw on the designs of yesteryear in order to evoke a feeling of harmony and warmth in any project. This series is another example of how Lumece melds feelings of old-time luminaires with modern lighting techniques and technology. It can complement many settings thanks to its two sizes and its internal components assure long life, reliability, and durability. The blend of form and function makes the **Square Lantern** luminaires an excellent choice for older neighborhoods or contemporary environments.

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

Ordering guide

example: S26P-72W32LED4K-G2-ACDR-C-LE3-I20-DMG-HS-GN8TX

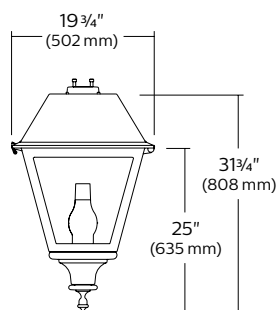
| Series | LED module | Gen. | Globe material | Globe finish | Optical system | Voltage | Driver options | Luminaire options | Poles / Brackets | Finish |
|-------------|--|--------------------|---------------------------------|---|---|--|---|--|--|--|
| S26P | | G2 | | | | | | | | |
| S26P | 3000K | G2 Gen 2 | ACDR Acrylic Globe | C Clear Globe | LE2 Type II (ASYM) | 120 208 240 277 347 480 | AST ³ Pre-set driver for progressive start-up CDMGE25 ³ (2) 8 hrs. 25% reduction CDMGE50 ³ (2) 8 hrs. 50% reduction CDMGE75 ³ (2) 8 hrs. 75% reduction CDMGM25 ³ (2) 6 hrs. 25% reduction CDMGM50 ³ (2) 6 hrs. 50% reduction CDMGM75 ³ (2) 6 hrs. 75% reduction CDMGS25 ³ (2) 4 hrs. 25% reduction CDMGS50 ³ (2) 4 hrs. 50% reduction CDMGS75 ³ (2) 4 hrs. 75% reduction CDMGP ³ Dimming level determined by the user CLO ³ Pre-set driver to manage lumen depreciation DMG 0-10V OTL ³ Pre-set driver to signal end of life of the lamp | HS House Side Shield SP2 20kV/20kA surge protector | Consult with signify.com/ outdoorluminaires for details and the complete line of Signify poles and brackets. | Textured BE2TX Midnight Blue BE6TX Ocean Blue BE8TX Royal Blue BG2TX Sandstone BKTX Black BRTX Bronze GN4TX Blue Green GN6TX Forest Green GN8TX Dark Forest Green GNTX Green GY3TX Medium Grey RD2TX Burgundy RD4TX Scarlet WHTX White Other GR Gray Sandtex NP Natural Aluminum TG Hammertone Gold |
| | 4000K | | | | | | | | | |
| | 35W32LED3K 55W32LED3K 55W48LED3K 72W32LED3K 80W48LED3K 108W48LED3K 35W32LED4K 55W32LED4K 55W48LED4K 72W32LED4K 80W48LED4K 108W48LED4K | | PC Poly- carbonate | CS ¹ Satin Clear Globe | LE3 Type III (ASYM) LE4 Type IV (ASYM) LE5 ² Type V (SYM) | | | | | |

1. Only available in Polycarbonate.
2. Not available with HS option.
3. Not available 347-480 volt.

S26P Square Lantern LED Pendant

Urban Luminaire

Dimensions



S26P

EPA: 2.97 sq ft
Weight: 44 lbs (20 kg)

LED Wattage and Lumen Values: for S26P with Clear globe

| Ordering Code: Clear Globe (3000K) | Total LEDs | LED current (mA) | Average System Wattage¹ (W) | LE2 | | | LE3 | | | LE4 | | | LE5 | | |
|--|---------------|------------------------|--------------------------------------|------------------|-------------------|---------------|------------------|-------------------|---------------|------------------|-------------------|---------------|------------------|-------------------|---------------|
| | | | | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating |
| 35W32LED3K-G2-C | 32 | 350 | 37 | 2892 | 78 | B1-U2-G1 | 2880 | 78 | B1-U2-G1 | 2813 | 76 | B1-U2-G1 | 2888 | 78 | B2-U3-G1 |
| 55W32LED3K-G2-C | 32 | 530 | 54 | 4149 | 77 | B1-U3-G1 | 4131 | 77 | B1-U3-G1 | 4034 | 75 | B1-U3-G1 | 4143 | 77 | B3-U3-G1 |
| 72W32LED3K-G2-C | 32 | 700 | 73 | 5232 | 72 | B1-U3-G1 | 5210 | 71 | B1-U3-G1 | 5088 | 70 | B1-U3-G2 | 5225 | 72 | B3-U3-G1 |
| 55W48LED3K-G2-C | 48 | 350 | 55 | 4338 | 79 | B1-U3-G1 | 4320 | 78 | B1-U3-G1 | 4219 | 77 | B1-U3-G1 | 4332 | 79 | B3-U3-G1 |
| 80W48LED3K-G2-C | 48 | 530 | 81 | 6223 | 77 | B1-U3-G1 | 6197 | 77 | B1-U3-G2 | 6051 | 75 | B1-U3-G2 | 6214 | 77 | B3-U3-G1 |
| 108W48LED3K-G2-C | 48 | 700 | 106 | 7848 | 74 | B2-U3-G2 | 7816 | 74 | B2-U3-G2 | 7632 | 72 | B1-U3-G2 | 7837 | 74 | B3-U3-G2 |

| Ordering Code: Clear Globe (4000K) | Total LEDs | LED current (mA) | Average System Wattage¹ (W) | LE2 | | | LE3 | | | LE4 | | | LE5 | | |
|--|---------------|------------------------|--------------------------------------|------------------|-------------------|---------------|------------------|-------------------|---------------|------------------|-------------------|---------------|------------------|-------------------|---------------|
| | | | | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating | Lumen Output² | Efficacy (LPW) | BUG Rating |
| 35W32LED4K-G2-C | 32 | 350 | 37 | 3210 | 87 | B1-U2-G1 | 3197 | 86 | B1-U2-G1 | 3122 | 84 | B1-U2-G1 | 3206 | 87 | B2-U3-G1 |
| 55W32LED4K-G2-C | 32 | 530 | 54 | 4605 | 85 | B1-U3-G1 | 4586 | 85 | B1-U3-G1 | 4478 | 83 | B1-U3-G1 | 4598 | 85 | B3-U3-G1 |
| 72W32LED4K-G2-C | 32 | 700 | 73 | 5808 | 80 | B1-U3-G1 | 5783 | 79 | B1-U3-G1 | 5648 | 77 | B1-U3-G2 | 5799 | 79 | B3-U3-G1 |
| 55W48LED4K-G2-C | 48 | 350 | 55 | 4816 | 87 | B1-U3-G1 | 4796 | 87 | B1-U3-G1 | 4683 | 85 | B1-U3-G1 | 4809 | 87 | B3-U3-G1 |
| 80W48LED4K-G2-C | 48 | 530 | 81 | 6907 | 86 | B2-U3-G2 | 6879 | 85 | B1-U3-G2 | 6717 | 83 | B1-U3-G2 | 6897 | 86 | B3-U3-G2 |
| 108W48LED4K-G2-C | 48 | 700 | 106 | 8712 | 82 | B2-U3-G2 | 8675 | 82 | B2-U3-G2 | 8471 | 80 | B2-U3-G2 | 8699 | 82 | B3-U3-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaire.

Note: Some data may be scaled based on tests on similar but not identical luminaires.

S26P Square Lantern LED Pendant

Urban Luminaire

LED Wattage and Lumen Values: for S26P with Clear satin globe

| Ordering Code: Clear Satin Globe (3000K) | Total LEDs | LED current (mA) | Average System Wattage ¹ (W) | LE2S | | | LE3S | | | LE4S | | | LE5S | | |
|--|---------------|------------------------|--|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|
| | | | | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating |
| 35W32LED3K-G2-CS | 32 | 350 | 37 | 2619 | 71 | B1-U3-G1 | 2653 | 72 | B1-U3-G1 | 2547 | 69 | B1-U3-G1 | 2744 | 74 | B2-U3-G1 |
| 55W32LED3K-G2-CS | 32 | 530 | 54 | 3757 | 70 | B1-U3-G1 | 3806 | 71 | B1-U3-G1 | 3654 | 68 | B1-U3-G1 | 3936 | 73 | B3-U3-G1 |
| 72W32LED3K-G2-CS | 32 | 700 | 73 | 4738 | 65 | B1-U3-G1 | 4800 | 66 | B1-U3-G2 | 4608 | 63 | B1-U3-G2 | 4965 | 68 | B3-U3-G2 |
| 55W48LED3K-G2-CS | 48 | 350 | 55 | 3928 | 71 | B1-U3-G1 | 3980 | 72 | B1-U3-G1 | 3821 | 69 | B1-U3-G1 | 4116 | 75 | B3-U3-G2 |
| 80W48LED3K-G2-CS | 48 | 530 | 81 | 5635 | 60 | B1-U3-G2 | 5709 | 71 | B1-U3-G2 | 5481 | 68 | B1-U3-G2 | 5905 | 73 | B3-U3-G2 |
| 108W48LED3K-G2-CS | 48 | 700 | 106 | 7107 | 67 | B2-U3-G2 | 7200 | 68 | B2-U3-G2 | 6912 | 65 | B1-U3-G2 | 7447 | 70 | B3-U3-G2 |

| Ordering Code: Clear Satin Globe (4000K) | Total LEDs | LED current (mA) | Average System Wattage ¹ (W) | LE2S | | | LE3S | | | LE4S | | | LE5S | | |
|--|---------------|------------------------|--|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|------------------------------|-------------------|---------------|
| | | | | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating | Lumen Output ² | Efficacy (LPW) | BUG Rating |
| 35W32LED4K-G2-CS | 32 | 350 | 37 | 2907 | 79 | B1-U3-G1 | 2945 | 80 | B1-U3-G1 | 2827 | 76 | B1-U3-G1 | 3046 | 82 | B2-U3-G1 |
| 55W32LED4K-G2-CS | 32 | 530 | 54 | 4170 | 77 | B1-U3-G1 | 4225 | 78 | B1-U3-G2 | 4056 | 75 | B1-U3-G2 | 4369 | 81 | B3-U3-G2 |
| 72W32LED4K-G2-CS | 32 | 700 | 73 | 5259 | 72 | B1-U3-G2 | 5328 | 73 | B1-U3-G2 | 5115 | 70 | B1-U3-G2 | 5511 | 76 | B3-U3-G2 |
| 55W48LED4K-G2-CS | 48 | 350 | 55 | 4361 | 79 | B1-U3-G1 | 4418 | 80 | B1-U3-G2 | 4241 | 77 | B1-U3-G2 | 4569 | 83 | B3-U3-G2 |
| 80W48LED4K-G2-CS | 48 | 530 | 81 | 6255 | 78 | B2-U3-G2 | 6337 | 79 | B1-U3-G2 | 6083 | 76 | B1-U3-G2 | 6554 | 81 | B3-U3-G2 |
| 108W48LED4K-G2-CS | 48 | 700 | 106 | 7888 | 74 | B2-U3-G2 | 7992 | 75 | B2-U3-G2 | 7672 | 72 | B1-U3-G2 | 8266 | 78 | B3-U3-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.
Note: Some data may be scaled based on tests on similar but not identical luminaires.

Specifications

Housing

Finial: Decorative cast 356 aluminum, mechanically assembled.

Cupola: Decorative spun aluminum 1100 O, mechanically mounted on hood.

Hood: In a square tapered shape, the hood is made of a one-piece die cast injection molded A360 aluminium. Mechanically assembled to the guard.

Guard: In a square tapered shape, the guard is made of one-piece die cast injection molded A360 aluminium.

Access-mechanism

Two integrated hinges on the hood with a stopper and a latch shall offer a tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Light engine

LEDgine composed of 5 main components: Heat Sink / Lens / LED lamp / Driver / Optical System. Electrical components are RoHS compliant.

LED engine

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm white, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Globe/Panels

ACDR-C: Made of one-piece seamless injection-molded clear impact-resistant (DR) acrylic. The globe is assembled on the access-mechanism.

PC-CS: Made of one-piece seamless injection-molded satin clear polycarbonate. The globe is assembled on the access-mechanism.

Heat sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Optical system

Composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66.

Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

LE2 - Type II (ASYM)

LE3 - Type III (ASYM)

LE4 - Type IV (ASYM)

LE5 - Type V (SYMM)

Driver

Driver comes standard with dimming compatible 0-10V. High power factor of 90% minimum. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 or 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (40°C) to 130°F (55°C).

Certified in compliance to UL1310 cULus requirement. Dry and damp location.

Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

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Urban Luminaire

Specifications (continued)

Driver options

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

DMG: Dimmable driver 0-10V.

CDMG: Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

* Contact factory for DALI options.

| Order Code | Dimming | | |
|------------|----------|----------|-------|
| | Scenario | Duration | Level |
| CDMGS25 | Safety | 4 hours | 25% |
| CDMGS50 | Safety | 4 hours | 50% |
| CDMGS75 | Safety | 4 hours | 75% |
| CDMGM25 | Median | 6 hours | 25% |
| CDMGM50 | Median | 6 hours | 50% |
| CDMGM75 | Median | 6 hours | 75% |
| CDMGE25 | Economy | 8 hours | 25% |
| CDMGE50 | Economy | 8 hours | 50% |
| CDMGE75 | Economy | 8 hours | 75% |

Surge protector

Surge protector 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, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. SP2 20kV/20kA optional.

LED Performance

| Predicted lumen depreciation data ¹ | | | | |
|--|-----------|---|--|------------------------------------|
| Ambient Temperature (°C) | Driver mA | Calculated L ₇₀ hours ^{1,2} | L ₇₀ per TM-21 ^{2,3} | Lumen Maintenance % @ 60,000 hours |
| 25°C | 700 mA | >100,000 | >60,000 | 86% |

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

Luminaire options



HS House side shield

SP2 20kV/20kA integral surge protector (optional).

Finish

In accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with +/- 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Textured Finish Options:

BE2TX: Textured Midnight Blue
BE6TX: Textured Ocean Blue
BE8TX: Textured Royal Blue
BG2TX: Textured Sandstone
BKTX: Textured Black
BRTX: Textured Bronze
GN4TX: Textured Blue Green
GN6TX: Textured Forest Green
GN8TX: Textured Dark Forest Green
GNTX: Textured Green
GY3TX: Textured Medium Grey
RD2TX: Textured Burgundy
RD4TX: Textured Scarlet
WHTX: Textured White

Non-Textured Finish Options:

GR: Gray Sandtex
NP: Natural Aluminum
TG: Hammer-tone Gold

Luminaire useful life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +35°C / +95°F.

Hardware

All exposed screws shall be complete with Ceramic primer-seal base coat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Quality control

Manufactured to ISO 9001 2008 standards and ISO 14001-2004 International Quality Standards Certification.

LED products (manufacturing standard)

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (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.

Quality control

Manufactured to ISO 9001 2008 standards and ISO 14001-2004 International Quality Standards Certification.

Certifications and Compliance

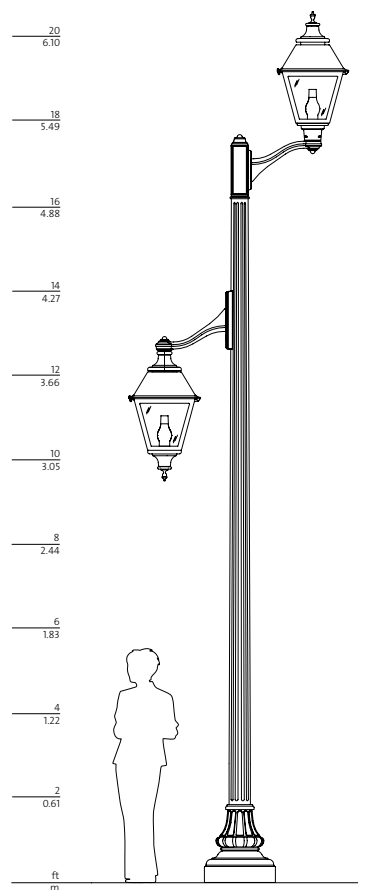
CSA, cULus Listed for Canada and USA. Luminaires are DesignLights Consortium qualified.

S26P Square Lantern LED Pendant

Urban Luminaire

Specifications (continued)

Assembly example



S26P

Mounting: CRF-1A

Mid pole Luminaire: S26P-LE3-CP

Mounting: CRFT-F

Pole: RTA500-MPL

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

