

| | | |
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| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

Series 19 (S19)

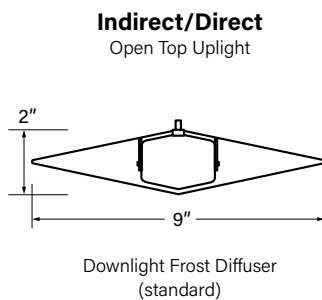


Signal White is standard finish

Series 19 is a low profile pendant luminaire with excellent optical performance for row spacing up to 18' while delivering recommended light levels. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components. Standard Glow Endcap increases illumination beyond luminaire ends with unique diffuse cutouts.

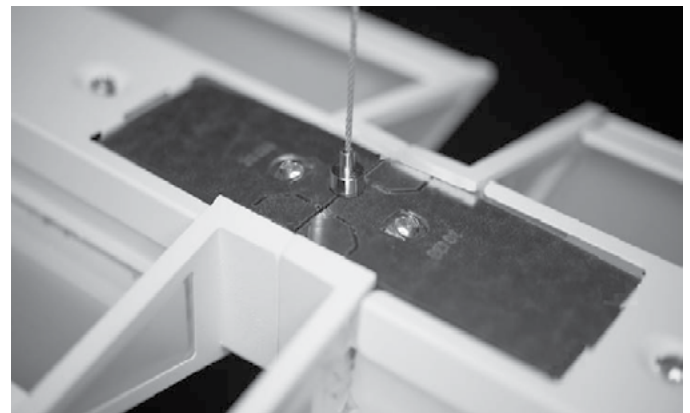
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

CROSS SECTION



SEGMENTED DESIGN

Luminaires seamlessly meet with illuminated joining endcaps to continue pendant runs and add another element of visual interest.



LUMEN OUTPUT PACKAGES



Standard



Boosted Standard



High



Very High



Declare.



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Series 19 (S19)

Ordering Guide Example: S - 19 - P - ID - 36' - 2E - S - 835 - OPEN - 120 - SC - FC-10% - FA50 - C1 - FE - SW - LGD18W - W601 - CP

BODY TYPE

| Platform | Series Name | Luminaire Type | Luminaire Distribution | Total Run Length of Configuration |
|------------|-------------|----------------|------------------------|-----------------------------------|
| S - Series | 19 | P - Pendant | ID - Indirect/Direct | _____ |

Multiples of 4', 6' or 8', standard. Consult factory for other combinations.

OUTPUT and LED TYPE

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL OPTIONS

| Light Engine | Light Output | LED CRI/CCT | Uplight Option | Voltage | Circuiting |
|--------------|---|--|--|--|--|
| 2E | S - Standard (477 lm/ft) B - Boosted Standard (600 lm/ft) H - High (906 lm/ft) V - Very High (1165 lm/ft) TL - Tailored: _____lm/ft* | 830 - 80 CRI min, 3000K 835 - 80 CRI min, 3500K 840 - 80 CRI min, 4000K 930 - 90 CRI min, 3000K 935 - 90 CRI min, 3500K 940 - 90 CRI min, 4000K | OPEN - Open Top DTCR - Dust Cover | 120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage | SC - Single Circuit* One single circuit in a run MC - Multi Circuit* More than one switch leg or zone (not 'DC' independent control of up and down separately for an I/D style fixture). Factory shop drawings required |

*Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

*Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS

MOUNTING OPTIONS

| Driver Selection | Mounting Method | Ceiling Hardware Type |
|--|---|---|
| 0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTi-10% - EldoLED OTi, 0-10V 10% ¹ OTi-1% - EldoLED OTi, 0-10V 1% ¹ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% DALI Driver Options FC-DALI-1% - DALI 1% DXL-DALI-1% - EldoLED Dexal, 1% ELD-DALI-0% - EldoLED SOLOdrive, 0.1% | DMX Driver Options ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% See Page 3 for additional driver options and details | FA50 - Fully Adjustable 50" (Standard) FA100 - Fully Adjustable 100" FA150 - Fully Adjustable 150" FA200 - Fully Adjustable 200" FA250 - Fully Adjustable 250" FA300 - Fully Adjustable 300" |

OTHER OPTIONS

| Endcap Style | Finish | Emergency Style (Optional) <small>See page 5 Backup Battery table</small> | Integrated Sensor (Optional) | Special Options (Optional) |
|------------------------------------|---|---|--|---|
| FE - Glow Endcap (Standard) | SW - Signal White (Standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ³ _____ | LGD18W - Legrand 18W Brand Battery Back-up LGD10W - Legrand 10W Brand Battery Back-up EM/GEN - Emergency to Generator NL - Night Light GTD - Generator Transfer Device BSL310LP - Bodine Battery Backup Low Profile ⁴ | W601 - Wattstopper ⁴ Wireless Sensor OBE - Enlighth ⁵ | CP - Chicago Plenum ⁶ RLA - Red List Approved RLD - Red List Declared |

¹ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

² B & V outputs only

³ 20 Business day lead time for color; Contact factory

⁴ LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected

LMFS-601 w/ Dali driver, only 1 driver can be connected.

⁵ Enlighth components installed by Finelite, provided by others

⁶ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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Series 19 (S19)

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options

| | |
|-----------------------|---|
| FC-10% | Factory Choice, 0-10V 10% Dimming (Linear) |
| FC-10%-DTO | Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear) |
| FC-1% | Factory Choice, 0-10V 1% Dimming (Linear) |
| FC-1%-DTO | Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear) |
| ELD-10V-0% | EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear) |
| ELD-10V-1% | EldoLED ECOdrive, 0-10V 1% Dimming (Linear) |
| 10V-TW-10% | EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear) |
| 10V-TW-10%-DTO | EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear) |
| OTi-10% | EldoLED OTi, 0-10V 10% Dimming (Linear) |
| OTi-10%-DTO | EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear) |
| OTi-1% | EldoLED OTi, 0-10V 1% Dimming (Linear) |
| OTi-1%-DTO | EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear) |

DALI Driver Options

| | |
|---------------------|---|
| FC-DALI-1% | Factory Choice, DALI 1% Dimming (Logarithmic) |
| ODXL-DALI-1% | EldoLED Dexal, DALI 1% Dimming (Logarithmic) |
| ELD-DALI-0% | EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic) |
| ELD-DALI-1% | EldoLED ECOdrive, DALI 1% Dimming (Logarithmic) |
| ELD-DALI-TW | EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, <i>Tunable White</i> (Logarithmic Dimming , Linear CCT Control) |

DMX Driver Options

| | |
|---------------------|---|
| ELD-DMX | EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear) |
| ELD-DMX-16 | EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear) |
| ELD-DMX-TW | EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear) |
| ELD-DMX-TW16 | EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear) |

Lutron Driver Options

| | |
|----------------|--|
| LUT-ES1 | Lutron, Ecosystem 1% Dimming |
| LUT-TW | Lutron LD2 Dali-2 1%, <i>Tunable White</i> |

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Series 19 (S19)

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6063-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Standard 4', 6', and 8' section lengths can be combined to make longer runs. Contact factory for additional lengths. See page 5 for standard length combinations.

ARRAY TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (S), Boosted Standard (B), High (H), and Very High (V). For Tailored Outputs outside of range from Standard (S) to Very High (V), consult factory. Light engines are replaceable.

MECHANICAL FEATURES

DOWNLIGHT OPTION: 8' maximum diffuser length. Frost white diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers creates soft transition on vertical surfaces.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Internal components finished in high reflectance white paint. Diffusers are coextruded frost acrylic with high reflectance white.

ELECTRICAL FEATURES

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed controlling uplight and downlight together (power and dimming). 14-gauge feed used when luminaire current exceeds 5 amps.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10% - 100%. Dimming to 1% available; Consult factory. Driver is fully accessible from below the ceiling.

- **Power Factor:** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Expected driver lifetime:** 100,000 hours

LUTRON STATIC DRIVER OPTIONS:

LUT-ES1 - Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series).

ELECTRICAL: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. A factory-choice low-profile backup battery is available (8' minimum fixture length). Backup batteries deliver 2330 lumens. A 4' section will be illuminated in emergency mode.

MOUNTING TYPE

MOUNTING: 50" Fully Adjustable (FA) plated steel aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 150".

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5', 12', and 30' (5' standard).

TUNABLE WHITE DMX INTERCONNECTION CABLES:

Luminaires are prewired with plug-and-play interconnected cables to support easy plug-together joining of fixture runs. DMX to RJ45 adapters and an RJ45 terminator for every 32 DMX drivers are included.

OTHER FEATURES

ENDCAPS: Cast aluminum Glow Endcap (FE) is standard with injection molded diffusers; adds 1/4" to each end.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

| Backup Battery | | |
|------------------------|-------------|---------------------------------|
| | Legrand 18W | Legrand 10W/ Bodine BSL310LP |
| S19-P-ID | | |
| Min. Housing Length | 8' | 8' |
| EM Lumen Output | 2330 lm | 1385 lm |
| EM Section Illuminated | 4' | 2' or 4' |

* Minimum fixture housing length for battery pack approved without sensor
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 6.

| Bodine GTD and Legrand ALCR Min. Length | |
|---|------------|
| Configuration | Min Length |
| Generator | 4' |

FINISHES: Finelite Signal White (SW) powder coat standard. Finelite Black (RAL 9005) with semi gloss fine texture (FB) and satin Aluminum (SA) are available. Optional Adders: 179 RAL colors¹. Paintable surfaces include the center element visible from below, the top metal wireway cover (above), and the cast aluminum endcaps and joiner pieces.

¹ 20 Business day lead time for color; Contact factory

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Series 19 (S19)

SPECIFICATIONS

FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps.

LABELS: Fixture and electrical components are ETL-listed conforming to UL 924 and UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS

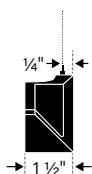
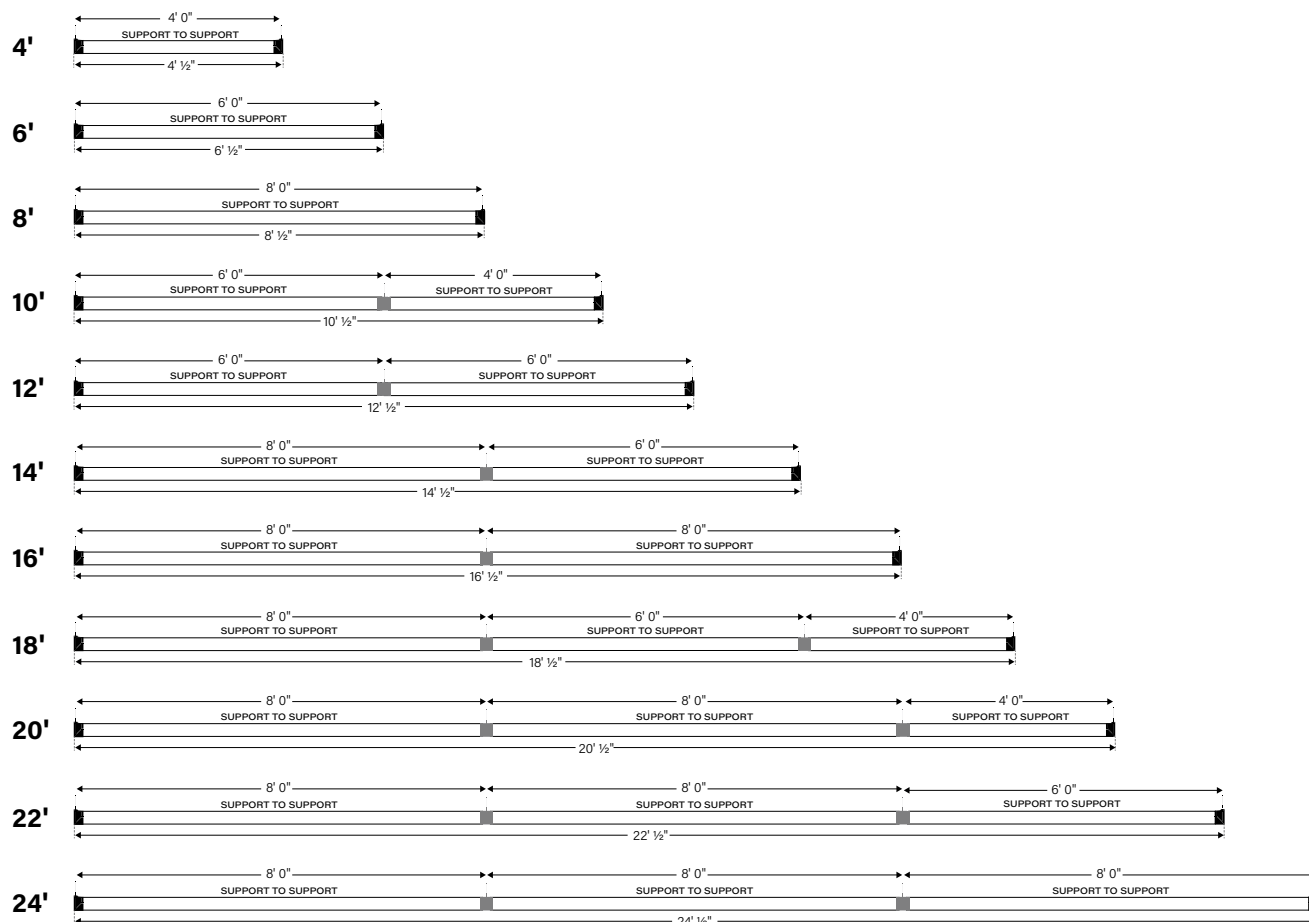
Directive (EU) 2015/863. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RLD** (Red List Declared) to your part number.

WEIGHT: 1.97 lbs/foot.

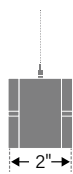
WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

STANDARD LENGTH COMBINATIONS

Standard 4', 6' and 8' section lengths can be combined to make longer runs.



Glow Endcap



Joiner Endcap

| | | |
|----------------|----------|-------|
| Submitted by: | | Date: |
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| Ordering Info: | | |

Series 19 (S19)

Indirect/Direct Photometry 4' Luminaire 3500K

S19-P-ID-2E-V-835-OPEN

Uplight: Open Top / **Downlight:** Frost Diffuser

Distribution: 70% Up (V) / 30% Down (V)

Efficacy: 136 lm/W

Uplight: 3278 lumens (820 lumens/ft)

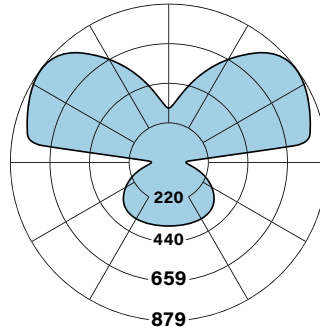
Downlight: 1382 lumens (346 lumens/ft)

Total luminaire output: 4660 lumens
8.6 watts

Peak Candela Value: 877 @ 125°

CRI: 80 / CCT: 3500K

ITL LM79 Report 93789



CANDELA DISTRIBUTION

| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | Flux |
|-----|-----|------|------|------|------|------|
| 0 | 353 | 353 | 353 | 353 | 353 | |
| 5 | 352 | 353 | 353 | 354 | 354 | 34 |
| 15 | 345 | 347 | 355 | 361 | 362 | 100 |
| 25 | 331 | 336 | 353 | 367 | 371 | 162 |
| 35 | 306 | 315 | 339 | 363 | 371 | 212 |
| 45 | 268 | 280 | 310 | 339 | 351 | 239 |
| 55 | 219 | 231 | 262 | 292 | 305 | 234 |
| 65 | 158 | 170 | 197 | 225 | 238 | 195 |
| 75 | 91 | 101 | 124 | 148 | 158 | 132 |
| 85 | 31 | 38 | 64 | 88 | 98 | 74 |
| 90 | 8 | 38 | 69 | 94 | 105 | |
| 95 | 39 | 290 | 530 | 467 | 442 | 364 |
| 105 | 108 | 394 | 637 | 765 | 806 | 595 |
| 115 | 171 | 431 | 700 | 825 | 860 | 611 |
| 125 | 220 | 431 | 693 | 834 | 877 | 560 |
| 135 | 255 | 418 | 642 | 778 | 824 | 460 |
| 145 | 278 | 392 | 565 | 681 | 720 | 336 |
| 155 | 290 | 363 | 472 | 557 | 586 | 213 |
| 165 | 295 | 330 | 383 | 424 | 440 | 108 |
| 175 | 296 | 302 | 313 | 321 | 325 | 31 |
| 180 | 296 | 296 | 296 | 296 | 296 | |

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI

| | |
|--------------|-------|
| 3000K | 0.985 |
| 3500K | 1.000 |
| 4000K | 1.032 |

Lumen Adjustment Factors 90 CRI

| | |
|--------------|-------|
| 3000K | 0.746 |
| 3500K | 0.760 |
| 4000K | 0.789 |

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 3624 lm x 0.789 = 2859 lm

Total Light Output per Foot: 906 lm x 0.789 = 715 lm

watts/foot: 6.6 W/ft.

$$\text{Efficacy} = \frac{715 \frac{\text{lm}}{\text{ft.}}}{6.6 \frac{\text{W}}{\text{ft.}}} = 108 \text{ lm/W}$$

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

| S' | B' | H' | V ² |
|-------------|-------------|-------------|----------------|
| 1908 | 2398 | 3624 | 4660 |
| 1342 [↓70%] | 1687 [↓70%] | 2550 [↓70%] | 3278 [↓70%] |
| 566 [↓30%] | 711 [↓30%] | 1075 [↓30%] | 1382 [↓30%] |

Light Output, 3500K, 80 CRI (Lumens Per Foot)

| S' | B' | H' | V ² |
|-----|-----|-----|----------------|
| 477 | 600 | 906 | 1165 |

Power, 3500K, 80 CRI (Watts Per Foot)

| S' | B' | H' | V ² |
|-----|-----|-----|----------------|
| 3.4 | 4.3 | 6.6 | 8.6 |

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

| S' | B' | H' | V ² |
|-----|-----|-----|----------------|
| 142 | 140 | 137 | 136 |

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
1 Based on 4' luminaire 3500K Very High Output (V) test - 120V.
2 Based on ITL report: 93789