

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

Series 19 (S19)

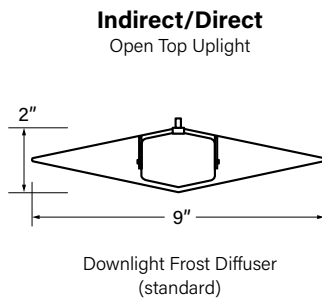


Signal White is standard finish

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.

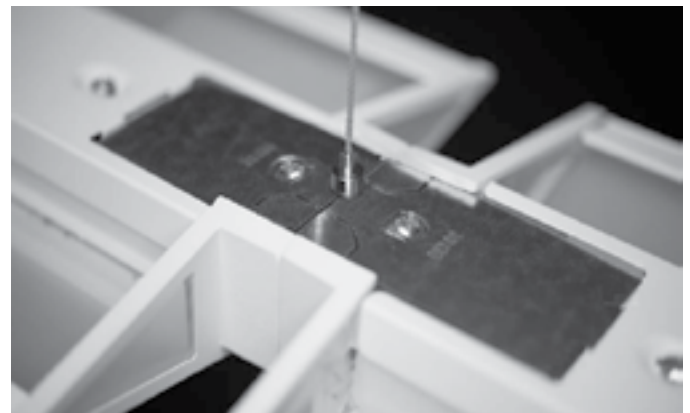
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

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



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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	<hr/> 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%	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"
		C1 - 15/16" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling C1T - 15/16" Tegular C2T - 9/16" Tegular

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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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)
OTi-10V-TW	EldoLED OTi, 0-10V 10% Dimming, Tunable White (Linear)
OTi-10V-TW-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, Tunable White (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)
DXL-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, Tunable White (Logarithmic Dimming, Linear CCT Control)

Lutron Driver Options

LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, Tunable White

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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 (LDE1)** - (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".

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.

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.

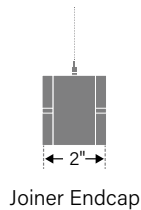
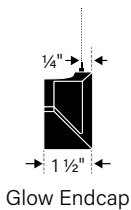
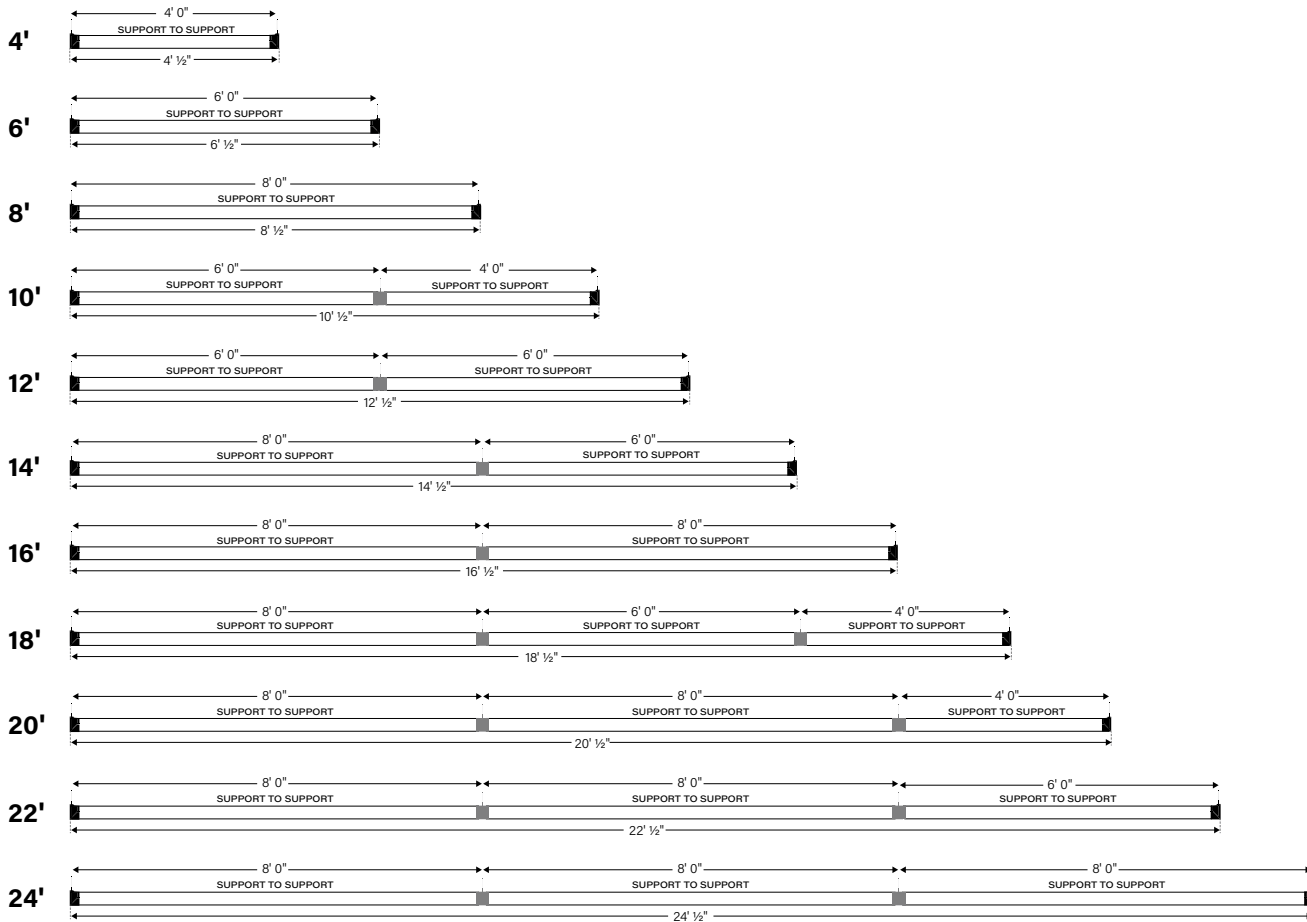
¹ 20 Business day lead time for color; Contact factory

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STANDARD LENGTH COMBINATIONS

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



Glow Endcap

Joiner Endcap

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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)

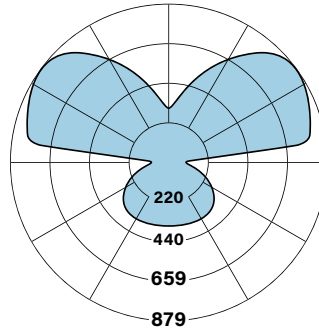
Downlight: 1382 lumens (346 lumens/ft)

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