

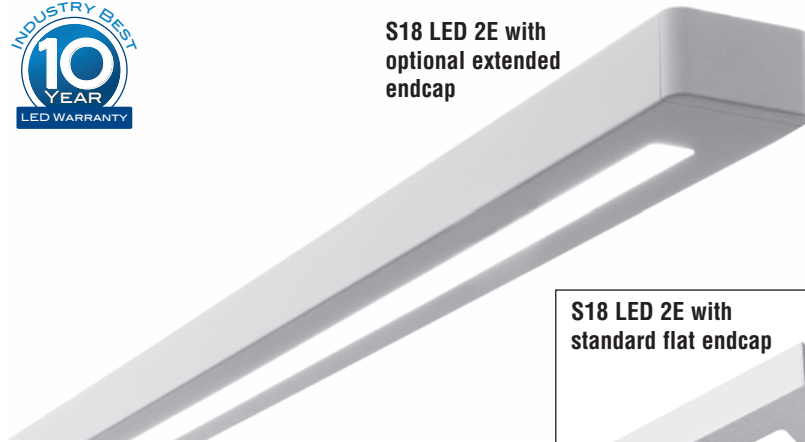


FINELITE

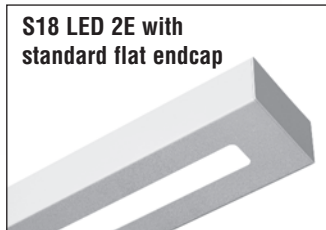
Series 18 LED - 2E Technical Sheet



S18 LED 2E with optional extended endcap



S18 LED 2E with standard flat endcap



Date

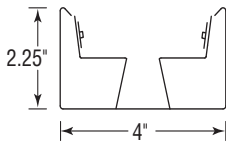
Project

Type

Comments

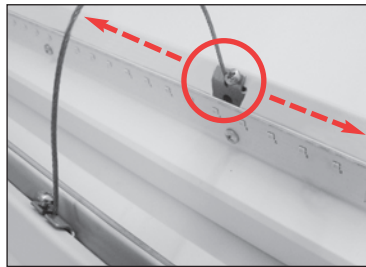
DESCRIPTION

Series 18 LED-2E is a slim-profile rectilinear form scaled to complement any interior architecture. The luminaire uses mid-powered LEDs for long life and enhanced performance.



DIMENSIONS AND LIGHT ENGINE

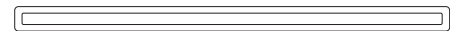
Two replaceable light engines with mid-powered LEDs provide excellent distribution for the uplight and downlight.



OPTIONAL FLEXIBLE MOUNTING BRACKET

The Flexible Mounting Bracket (FM) adjusts along the length of the luminaire to accommodate existing mounting points.

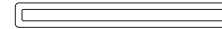
8' Standard Continuous Shielding (CS)*



8' Optional Segmented Shielding (SG)



4' Shielding

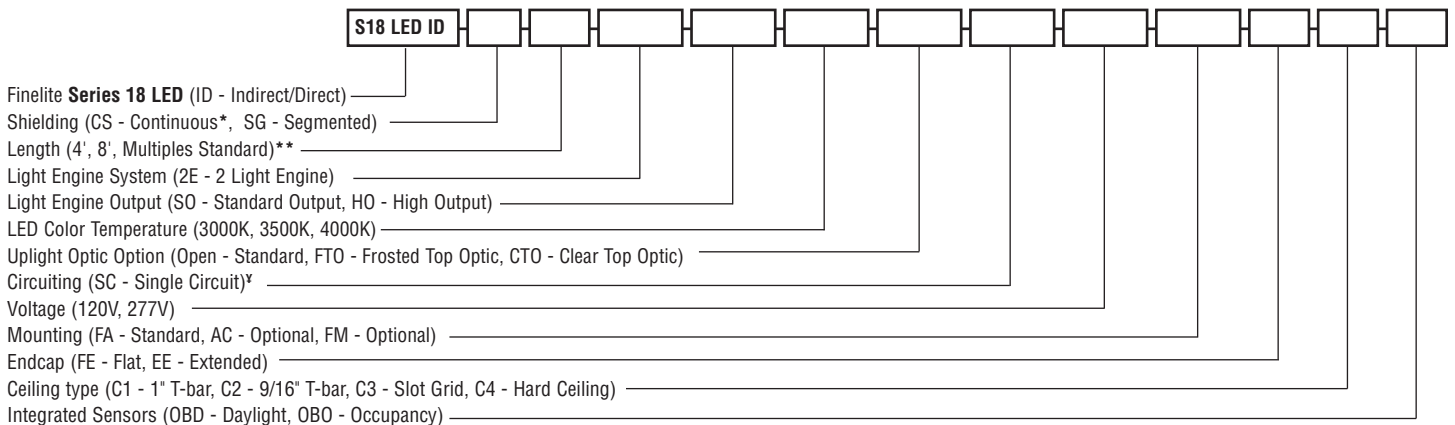


DCO SHIELDING

Continuous shielding is standard with a maximum 8' length. The visible diffuse area is 7'9" centered on a 8' housing. Optional segmented shielding available.

ORDERING GUIDE

Sample Number: S18 LED ID - CS - 32' - 2E - SO - 3500K - FTO - SC - 120 - FA - EE - C1 - OBD



*Continuous shielding is standard with a maximum 8' length. Visible diffuse area is 7'9" centered on a 8' housing. Available with LED only.

**Contact factory for 6' lengths.

‡Contact factory for switching options.



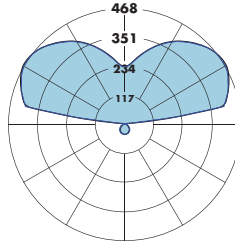
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Series 18 LED - 2E Technical Sheet

PHOTOMETRY - 2E - Open - 4' Luminaire

Standard Output
 Distribution: 93% up / 7% down
 Efficacy: 100 Lumens per watt
 Total Luminaire Output: 1850 lumens (463 lumens/foot)
 18.5 watts (4.6 watts/foot)

Peak Candela Value: 468 @ 122°
 CCT: 3500K
 Source Report ITL 81640
 (Family Correlation)

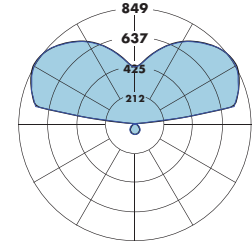
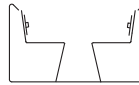


CANDLEPOWER SUMMARY						
	0	22.5	45.0	67.5	90.0	Flux
0	42	42	42	42	42	
5	42	41	42	42	42	4
15	40	40	41	41	41	12
25	37	37	38	38	38	17
35	33	33	34	34	34	21
45	28	28	28	29	29	22
55	22	22	22	22	22	20
65	15	15	15	15	15	15
75	8	8	8	8	8	9
85	2	2	2	2	2	3
90	0	0	0	0	0	
95	17	138	33	13	12	111
105	63	196	319	398	425	306
115	105	222	357	433	458	320
125	141	241	362	442	467	302
135	170	250	352	419	444	257
145	195	251	333	386	404	199
155	213	246	303	341	354	136
165	224	238	266	287	294	75
175	229	230	235	239	240	23
180	230	230	230	230	230	

PHOTOMETRY - 2E - Open - 4' Luminaire

High Output
 Distribution: 93% up / 7% down
 Efficacy: 90.9 Lumens per watt
 Total Luminaire Output: 3355 lumens (839 lumens/foot)
 36.9 watts (9.2 watts/foot)

Peak Candela Value: 847 @ 125°
 CCT: 3500K
 ITL LM79 Report 81640



CANDLEPOWER SUMMARY						
	0	22.5	45.0	67.5	90.0	Flux
0	77	77	77	77	77	
5	76	75	76	76	76	7
15	73	73	74	74	74	21
25	68	67	69	69	69	32
35	60	60	61	62	62	38
45	50	50	51	52	52	39
55	39	39	40	40	40	35
65	27	27	28	28	28	27
75	15	15	15	15	15	16
85	4	4	4	4	4	5
90	0	0	0	0	0	
95	31	251	59	23	21	201
105	114	356	579	721	770	554
115	190	403	648	785	831	580
125	255	437	657	802	847	548
135	309	453	639	759	805	466
145	354	455	604	700	733	361
155	386	446	549	619	642	247
165	407	431	483	521	534	136
175	416	417	427	433	435	41
180	417	417	417	417	417	

SPECIFICATIONS

CONSTRUCTION: Body is 20-gauge die-formed steel with an 18-gauge die-formed internal joiner system. Plug-together wiring standard. All components are hard-tooled to tolerances of +/- 0.010".

ENDCAPS: The Flat Endcap (FE) is standard and made of 20-gauge die-formed steel adding 0.10" at each end. The optional Extended Endcap (EE) is an aluminum die-cast endcap and adds 0.55" at each end.

REFLECTORS: Die-formed 24-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white power coat paint.

UPLIGHT OPTICS: The 2E optical system is open, standard. Optional Frosted Top Optic (FTO) and Clear Top Optic (CTO), available.

SHIELDING:

DCO Diffuse Center Optic (DCO), 73% transmissive, 99% diffusion.

CS Continuous Shielding (CS) is standard with a maximum 8' length. The visible diffuse area is 7'9" centered on an 8' housing.

SG Segmented Shielding (SG) option available.

LIGHT ENGINE: Two lumens packages available, Standard Output (SO) or High Output (HO). A separate chart summarizes lumen distribution and wattage. LM79 test reports are available for each distribution. Light engines are replaceable.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000 hours; 70% of initial light output (L70) at 168,000 hours.

LED COLOR TEMPERATURE (CCT): 3000K, 3500K, or 4000K.

DRIVER: Replaceable 120V/277V 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 DRIVER OPTIONS: Lut3W-3-wire, LutES-EcoSystem, Lut2W-2-wire.

ELECTRICAL: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Optional Chicago Plenum available. A factory-choice low-profile backup battery is available (8' minimum fixture length). Backup batteries deliver 1600 lumens. A 4' section will be illuminated in emergency mode.



INTEGRATED SENSORS: Daylight sensors and Integrated PIR (Passive Infrared) occupancy sensors available. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

MOUNTING: 50" Fully Adjustable (FA) plated steel aircraft cable with safety stop hardware standard.

Contact factory for additional lengths up to 150". Optional semi-adjustable Aircraft Cable (AC) (± 0.5") in lengths of 12", 15", 18", 21", 24", 27", 30", 36".

FLEXIBLE MOUNTING BRACKET: The optional Flexible Mounting Bracket (FM) with curved balancer, can be adjusted along the length of the luminaire to accommodate existing mounting points.

FINISHES: Finelite Signal White powder coat standard. Optional Adders: 185 Tiger Drylac's non-metallic RAL colors.

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

LENGTHS: Standard 4' and 8' section lengths can be combined to make longer runs. Contact factory for additional lengths.

LABELS: Fixture and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location.

WEIGHT: 2.5 lb/ft.

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



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Series 18 LED - 2E Technical Sheet

Series 18 LED 2E DCO Pendant Performance						
	3000K		3500K		4000K	
	SO*	HO*	SO*	HO	SO*	HO*
Lumens Per Foot	443.25	803.75	462.5	838.75	478.25	870.75
Watt Per Foot	4.63	9.23	4.63	9.23	4.63	9.23
Efficacy (LPW)	96	87	100	90.9	103	94

SO - Standard Output, HO - High Output

* Family Correlation