

FINELITE
Better Lighting



Series 12

LED & Fluorescent



Indirect/Direct Luminaires

The Finelite LED Difference

10-Year Warranty

Finelite has tested all the elements of our LED luminaires: the LED arrays, the drivers, the diffusers, the body—even the powder coat finish—and we are confident each of these components will stand the test of time. We provide a 10-year warranty on all components of the luminaire.



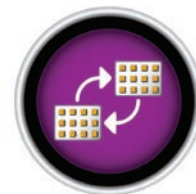
Long Life

LEDs fade over time. The key question: how much lumen depreciation will occur over what period of time? We warranty our LED luminaires to deliver 90% of initial lumen output for 100,000 hours. That's L90 for 100,000 hours. Compare this to L70 for 50,000 hours, a common industry warranty. Our LED light arrays and drivers last twice as long!



Reduced Maintenance

Finelite designs all of our LED luminaires using replaceable LED arrays. Each board, like the whole luminaire, carries a unique ID number by which we can recall the style, size, lumen package and color temperature. Swapping out boards is simple and does not require the services of an electrician. We are committed to supplying replacement LED Light Arrays for the life of the luminaire.



Dimming Standard

We think LED luminaires should be dimmable, and at no additional charge. After all, dimming can increase comfort, efficacy and lumen maintenance, and reduce energy consumption. So we provide Constant Current Reduction drivers with 0-10V controls in all of our LED luminaires, standard. Easily accessed from below and covered by our 10-year warranty, the expected driver lifetime is 100,000 hours.



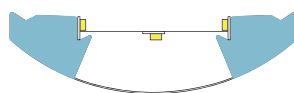
Series 12

COLLECTION

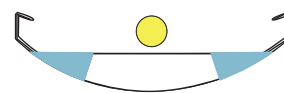
A classic shape is brought to new performance levels. Series 12 LED is now available in 2-Engine and 3-Engine designs in addition to the standard fluorescent. The efficacious and highly affordable 2E is the perfect choice for energy and budget conscious projects. 3E brings a new level of flexibility with independently controlled uplight and downlight.



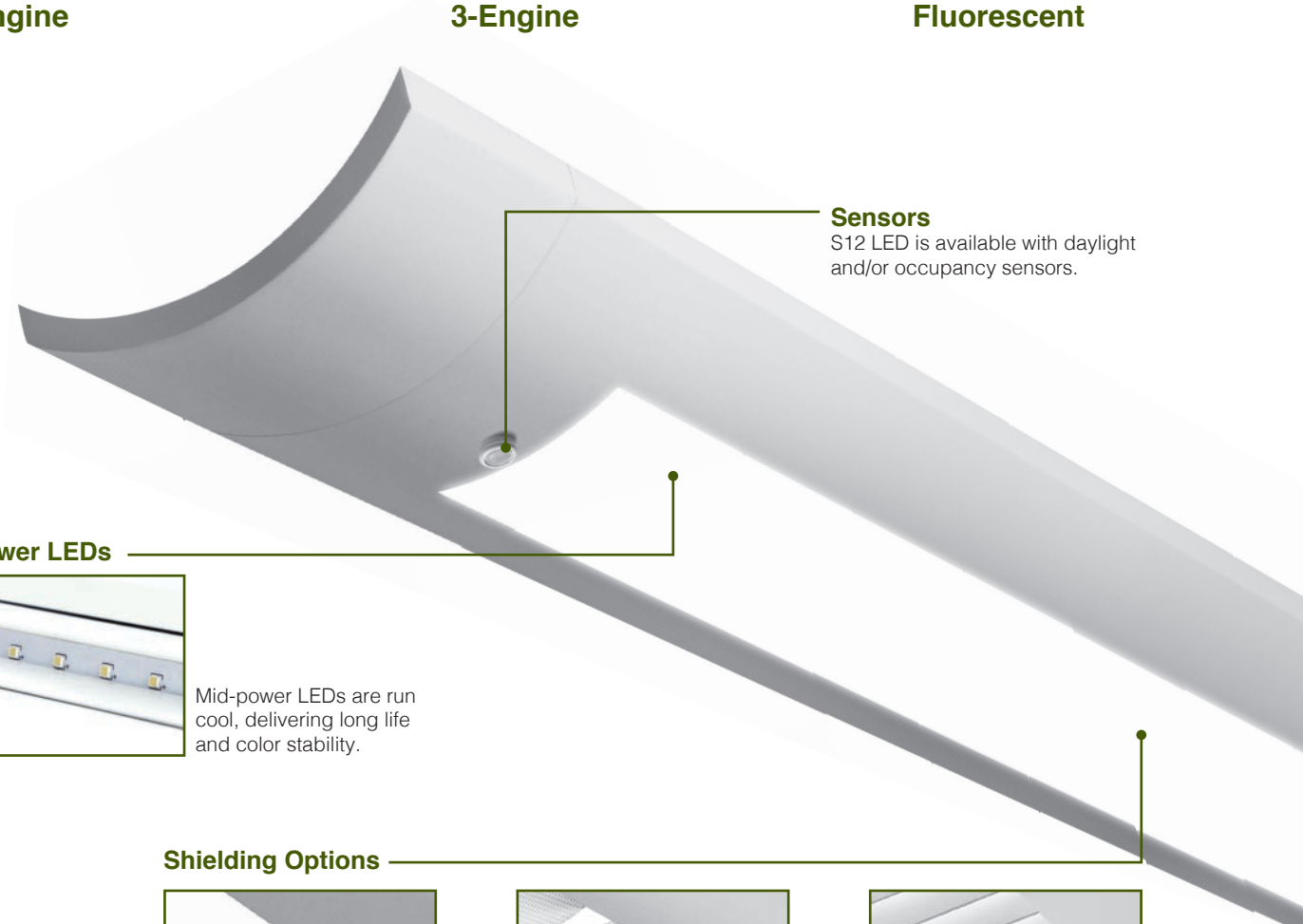
2-Engine



3-Engine



Fluorescent



Sensors

S12 LED is available with daylight and/or occupancy sensors.

Mid-Power LEDs

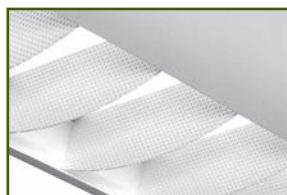


Mid-power LEDs are run cool, delivering long life and color stability.

Shielding Options



Diffuse Center Optic (DCO)



Perforated White Cross Blade (WCB)



Parabolic Louver (PLV)

Series 12 LED 3E

Patent Pending

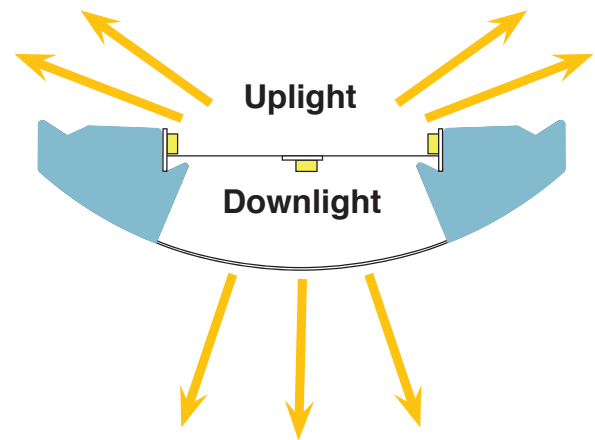


Control Uplight and Downlight Separately

The Series 12 LED 3-Engine (3E) luminaire allows independent dimming of the uplight and downlight. This gives the user the flexibility to easily tune light levels to the task at hand. The uplight and the downlight can also be turned off separately, enhancing the level of control users enjoy.

Flexibility & Control

- Four distinct lumen packages
- Uplight and downlight are individually controlled
- Excellent ceiling uniformity
- Enhanced glare control



Separate Lumen Packages

Series 12 LED 3E DCO Lumens Distribution per 4-Foot Section (3500K)				
Uplight (lumens)	↑ SO - 2086*	↑ SO - 2086*	↑ HO - 3783*	↑ HO - 3783
Downlight (lumens)	↓ SO - 799*	↓ HO - 1450*	↓ SO - 799*	↓ HO - 1450
Total Lumens	2885	3535	4582	5232
Wattage	28.9	38.2	47.0	56.6
Efficacy Total (LPW)	99.8	92.6	97.5	92.4

Solutions for:

- Daylight Response
- Demand Response
- Tablet Devices
- Classrooms
- Meeting Rooms
- Conference Rooms

SO - Standard Output, HO - High Output

* Family Correlation

Uplight/Downlight (HO - HO)

Distribution: 72% up / 28% down

Efficacy: 92.4 lumens per watt

Total Luminaire Output: 5232 lumens (1308 lumens/foot)
56.6 watts (14.2 watts/foot)

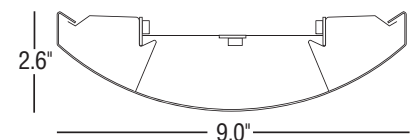
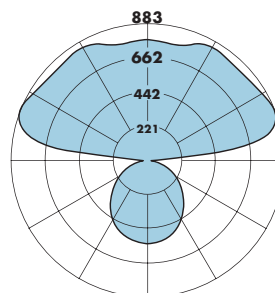
Peak Candela Value: 877 @ 115°

CRI: 83

R9: 20

CCT: 3500K

ITL LM79 Report 81841

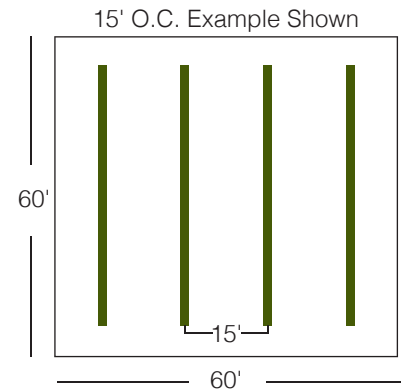


Performance - 3E

3-Engine - Open Office

	SO - SO 3500K
	15' O.C.
Light Level (fc)	43
Average to Minimum	1.3:1
Energy Consumption (LPD)	0.42 W/ft ²
Room Size	60' x 60'

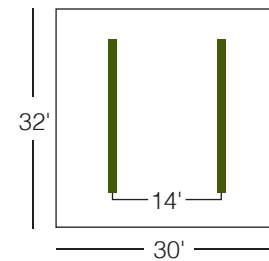
Initial light levels at work plane.
Ceiling Height: 9'-6" / Mounting Height: 8'0" AFF / Room Reflectances: 80/50/20



3-Engine - Classroom

	HO - SO 3500K
	14' O.C.
Light Level General Mode (fc)	50
Average to Minimum	1.7:1
Energy Consumption (LPD) - General Mode	0.7 W/ft ²
Room Size	30' x 32'

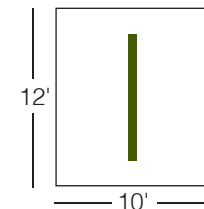
Initial light levels represent typical average desktop surface
Ceiling Height: 10' / Mounting Height: 8'0" AFF / Reflectance: 80/50/20



3-Engine - Private Office

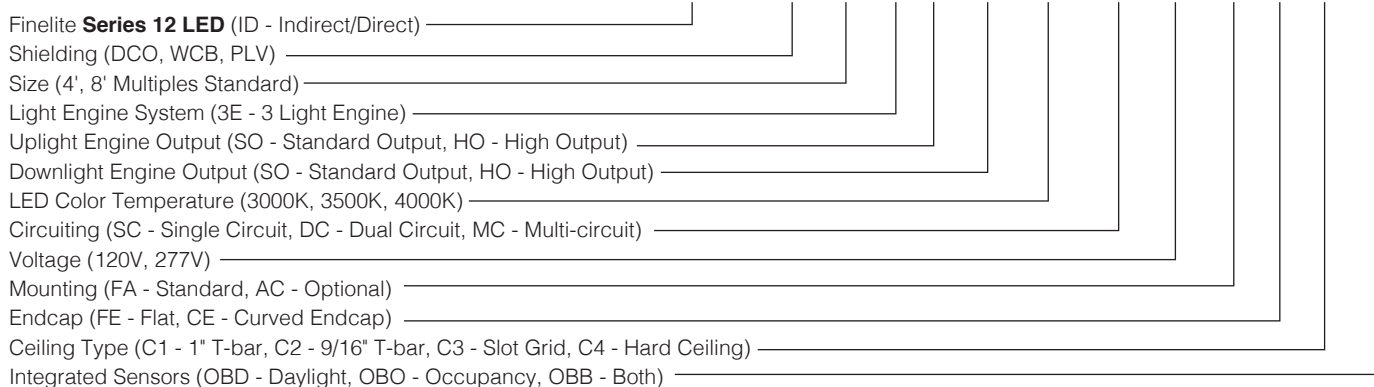
	HO - SO 3500K
Light Level (fc)	39
Average to Minimum	1.5:1
Energy Consumption (LPD)	0.78 W/ft ²
Room Size	10' x 12'

Initial light levels at work plane
Ceiling Height: 9' / Mounting Height: 7'6" AFF / Reflectance: 80/50/20



Ordering Guide

S12 LED-ID - DCO - 32' - 3E - SO - HO - 3500K - SC - 277V - FA - FE - C1 - OBD



Series 12 LED 2E

Patent Pending



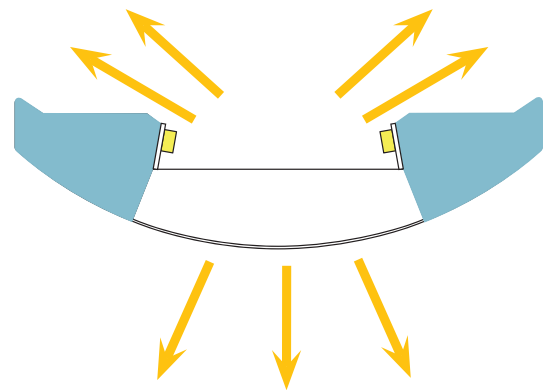
Performance, Efficacy and Affordability

Series 12 LED 2-Engine (2E) delivers outstanding efficacy (up to 105.8 lumens per watt) and has wide distribution for good ceiling uniformity even when luminaires are spaced up to 18' on center. Use the 2E configuration when superior optical performance is required for budget conscious projects.



Efficacy & Affordability

- Outstanding Efficacy (105.8 LPW)
- Amazing affordability
- Two lumen packages
- Excellent ceiling uniformity and glare control



Uplight Options

S12 LED 2E is available with a clear or frosted top optic. Use the frosted top optic in low ceiling applications to reduce the potential of striations

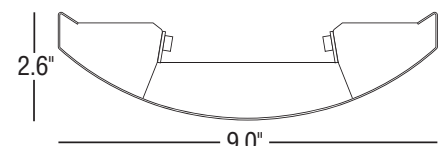
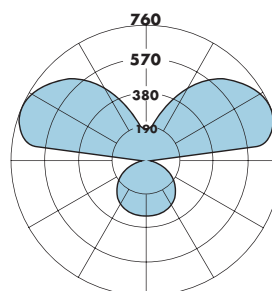
Separate Lumen Packages

Series 12 LED 2E DCO Lumens Distribution per 4-Foot Section				
	3500K		4000K	
Uplight (lumens)	↑ SO - 1370*	↑ HO - 2485	↑ SO - 1417*	↑ HO - 2579*
Downlight (lumens)	↓ SO - 525*	↓ HO - 952	↓ SO - 543*	↓ HO - 988*
Total Lumens	1895	3437	1960	3568
Wattage	18.5	37.1	18.5	37.1
System Efficacy (LPW)	102.3	92.6	105.8	96.1

SO - Standard Output, HO - High Output

* Family Correlation

Distribution: 72% up / 28% down
 Efficacy: 92.6 lumens per watt
 Total Luminaire Output: 3437 lumens (859 lumens/foot)
 37.1 watts (9.3 watts/foot)
 Peak Candela Value: 754 @ 115°
 CRI: 84
 R9: 21
 CCT: 3500K
 ITL LM79 Report 81840

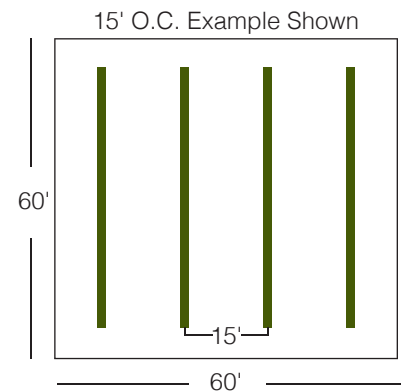


Performance - 2E

2-Engine - Open Office

	HO 3500K
	15' O.C.
Light Level (fc)	50
Average to Minimum	1.3:1
Energy Consumption (LPD)	0.54 w/ft ²
Room Size	60' x 60'

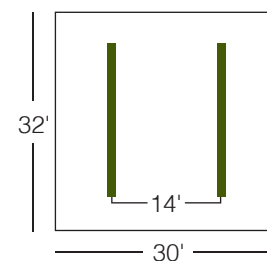
Initial light levels at work plane
Ceiling Height: 9'-6" / Mounting Height: 8'0" AFF / Room Reflectances: 80/50/20



2-Engine - Classroom

	HO 3500K
	14' O.C.
Light Level General Mode (fc)	40
Average to Minimum	1.7:1
Energy Consumption General Mode (LPD)	0.54 w/ft ²
Room Size	30' x 32'

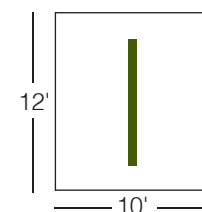
Initial light levels represent typical average desktop surface
Ceiling Height: 10' / Mounting Height: 8'0" AFF / Reflectance: 80/50/20



2-Engine - Private Office

	HO 3500K
Light Level (fc)	30
Average to Minimum	1.4:1
Energy Consumption (LPD)	0.62 w/ft ²
Room Size	10' x 12'

Initial light levels at work plane
Ceiling Height: 9' / Mounting Height: 7'6" AFF / Reflectance: 80/50/20



Ordering Guide

S12 LED-ID - DCO - 32' - 2E - HO - 3500K - Open - SC - 277V - FA - CE - C1 - OBD

Finelite Series 12 LED (ID - Indirect/Direct)	_____
Finelite Series 12 LED WM (ID - Indirect/Direct)	_____
Shielding (DCO, WCB, PLV)	_____
Size (4', 8' Multiples Standard)	_____
Light Engine System (2E - 2 Light Engine)	_____
Light Engine Output (SO - Standard Output, HO - High Output)	_____
LED Color Temperature (3000K, 3500K, 4000K)	_____
Uplight Optic Options (Open - Standard, FTO - Frosted Top Optic, CTO - Clear Top Optic)	_____
Circuiting (SC - Single Circuit, DC - Dual Circuit, MC - Multi-circuit)	_____
Voltage (120V, 277V)	_____
Mounting (FA - Standard, AC - Optional)	_____
Endcap (FE - Flat, CE - Curved Endcap)	_____
Ceiling Type (C1 - 1" T-bar, C2 - 9/16" T-bar, C3 - Slot Grid, C4 - Hard Ceiling)	_____
Integrated Sensors (OBD - Daylight, OBO - Occupancy, OBB - Both)	_____

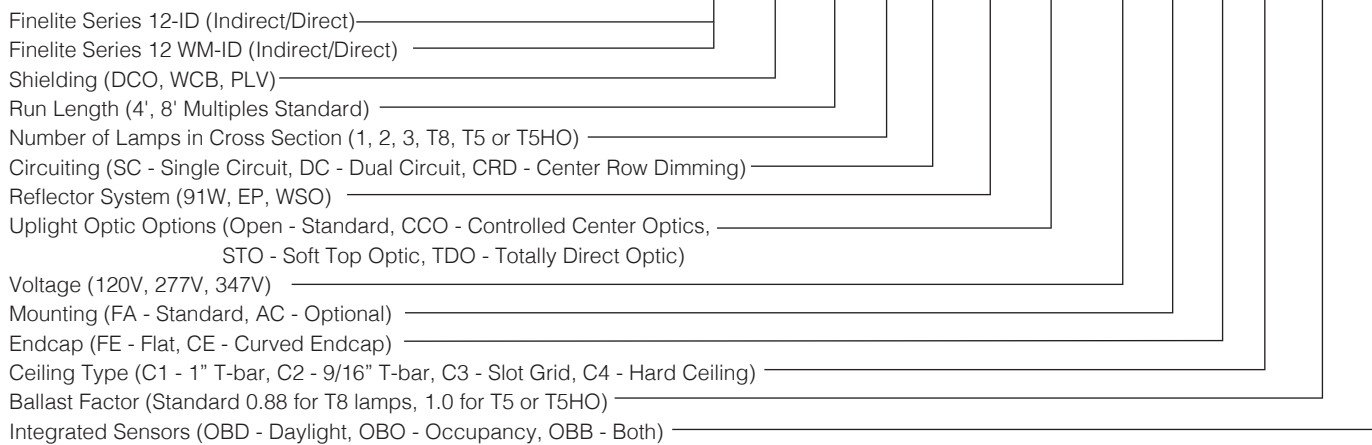
Series 12

LED & Fluorescent

FINELITE
Better Lighting

Fluorescent Ordering Guide

S12-ID - DCO - 32' - 2T8 - SC - 91W - TDO - 277V - FA - FE - C1 - 0.88 - OBD



Note: Refer to www.finelite.com for additional photometry and product information.



Project: Hub International • Location: Dallas, TX • Architect: Furstenwerth + Bagley Design • Photographer: Danny Piassick

Finelite Commitment To You

- 10-day shipping on standard orders of all products
- Focus on sustainability
- All products Buy American Act of 2009 compliant

The Finelite LED Difference

- 10-year warranty on all components
- 90% of initial light output for 100,000 hours
- Dimming standard
- Replaceable LED light array