



FINELITE®
Better Lighting

Series 16 LED

Flexibility ▪ Efficacy ▪ Affordability



Project: Indeed; Architect: Tully Associates; Location: Seattle, WA



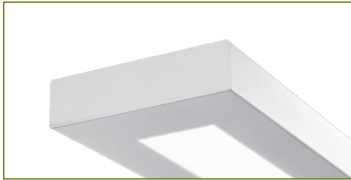
Indirect/Direct Luminaires

A brand of **legrand®**

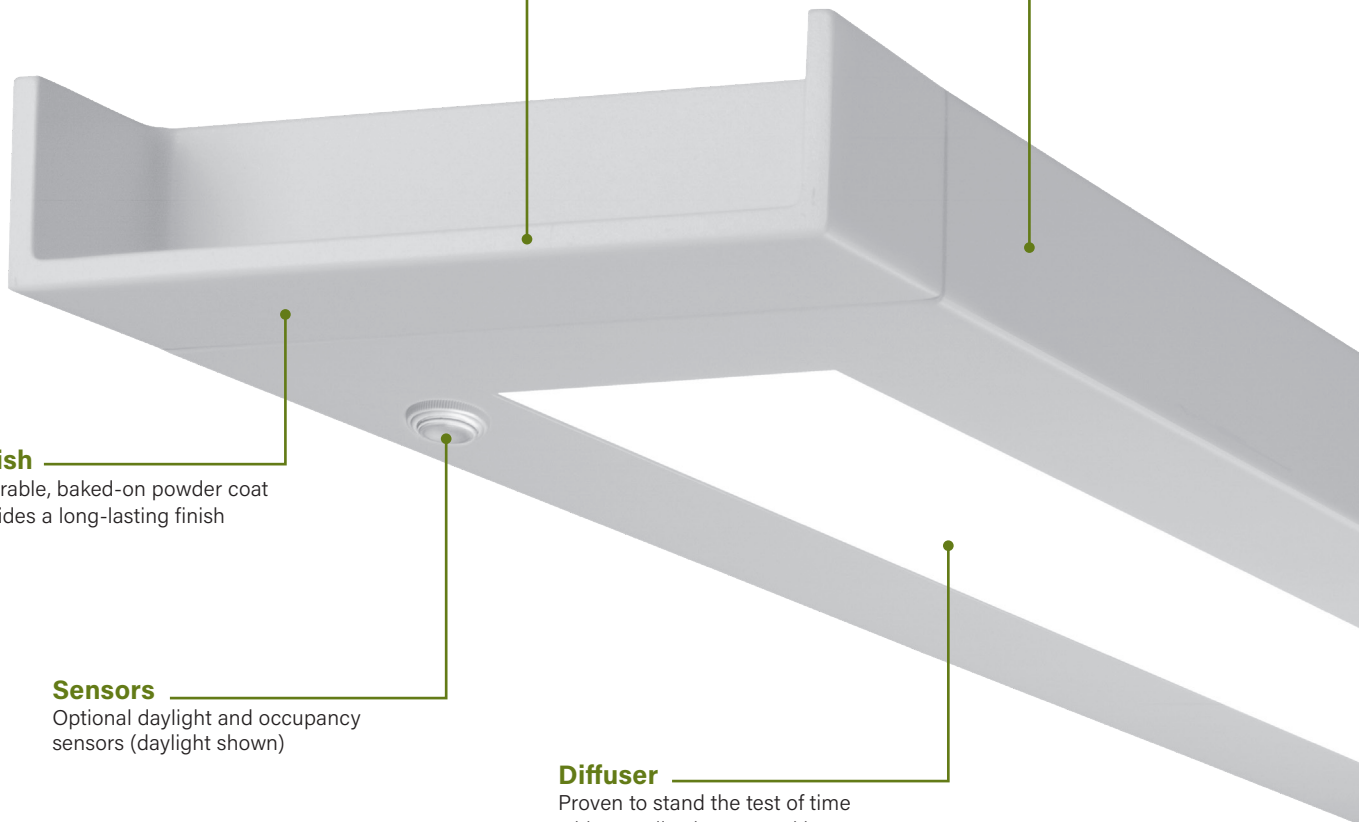
Series 16 Collection

With a timeless design and advanced optical system, Series 16 has three LED models – the affordable, high-efficacy 2-Engine, the flexible 3-Engine with separate uplight and downlight intensity controls, and a downlight optimized 4-Engine, as well as a fluorescent model. High performance classrooms, stringent energy requirements, low ceiling applications – Series 16 helps designers achieve their goals.

Flat Endcap (standard)



Extended Endcap (optional)



Driver Life

Designed to run cool, expected driver lifetime exceeds 100,000+ hours

Finish

A durable, baked-on powder coat provides a long-lasting finish

Sensors

Optional daylight and occupancy sensors (daylight shown)

Diffuser

Proven to stand the test of time without yellowing or cracking

Finelite Tailored Lighting

Tailored Output

Optimize lighting levels to accommodate architectural design elements and code requirements.

Tailored Control

Dim and tune the lighting to fit user preference. Apply sensors to respond to the environment.

Tailored Color

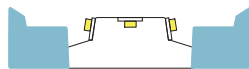
Tune white light and intensity to the preferences of the people in the space.

Declared 2.0

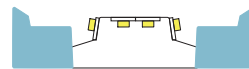
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified.



2-Engine



3-Engine



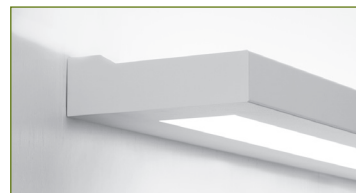
4-Engine

Mid-Power LEDs



Mid-power LEDs run cool. Expected lifetime: L90 at 100,000+ hours, L70 at 200,000+ hours.

Complementary Wall Mount



Series 16 LED 2E

Performance, Efficacy, and Affordability

The Series 16 LED 2-Engine (2E) has the highest efficacy of the collection and is available with multiple optic and distribution ratios. Use the 2E configuration when superior optical performance is required for budget conscious projects.

Tailored Output

- Static White output options: Standard **(S)**, Boosted Standard **(B)**, and High **(H)**, and Very High **(V)**
- Tunable White output options: Boosted Standard **(B)** and Very High **(V)**
- Five distribution ratios: 10% up / 90% down (10U90D), 20% up / 80% down (20U80D), 30% up / 70% down (30U70D), 40% up / 60% down (40U60D), and Total Direct Optic (TDO)

Tailored Color

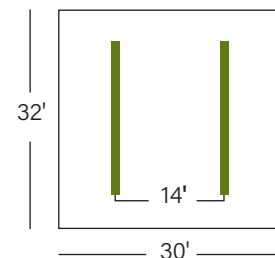
- Static White light options at 3000K, 3500K and 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

Tailored Control

- Dimming from 100% to 10% standard; 1% available
- Industry-leading pre-qualified drivers and controls options available
- Integrated or networked daylight and occupancy sensors options available
- Simplified white light color tuning design and installation with the FineTune™ controls system

2-Engine – Classroom

	H 3500K
	14 ft. O.C.
Light Level General Mode (fc)	41.8
Average to Minimum	1.74:1
Energy Consumption (LPD) - General Mode	0.417 W/ft ²
Room Size	30' x 32'

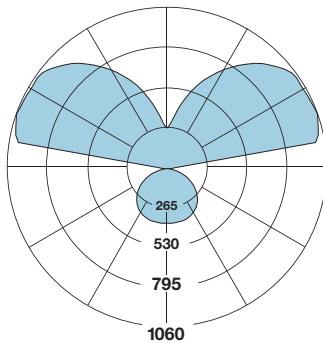


Initial light levels represent typical average desktop surface.
 Ceiling Height: 10'0" / Mounting Height: 8'0" AFF / Room Reflectances: 80/50/20

Performance

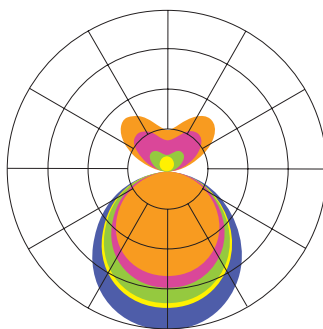
2E Photometry – 4 ft. Luminaire

Distribution: 76% Up / 24% Down
3500K Very High Output

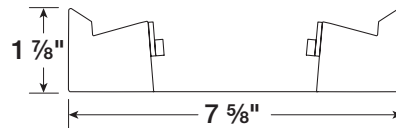


OPEN Up to 1181 lm/ft

Distribution Ratios
3500K Very High Output



10U90D Up to 785 lm/ft
20U80D Up to 823 lm/ft
30U70D Up to 877 lm/ft
40U60D Up to 919 lm/ft
TDO Up to 815 lm/ft



2E OPEN Lumen Output Per Foot (3500K)			
	Total Lumens per foot	Wattage per foot	Efficacy Total (lm/W)
S*	483	3.7	132
B*	608	4.6	131
H*	918	7.2	128
V**	1181	9.3	127

* Family Correlation based on 4 ft. luminaire 3500K Very High Output (V) test – 120V

** Correlation based on ITL LM79 Report 85120

2E Distribution Ratios, 3500K, 80+ CRI*		
	Total Lumens - 4ft.	Efficacy (lm/W)
10U90D	1285 – 3138 (10% / 90%)	84 – 88
20U80D	1347 – 3291 (17% / 83%)	88 – 92
30U70D	1435 – 3506 (30% / 70%)	94 – 99
40U60D	1504 – 3675 (40% / 60%)	99 – 103
TDO	1335 – 3261 (0% / 100%)	88 – 92

* Family Correlation based on 4 ft. luminaire 3500K Very High Output (V) test – 120V

Correlation based on ITL LM79 Reports: 87819, 87820, 87821, 87822, 87823

Notes:

Please refer to technical sheet for more information.

For Tunable White data please see Tunable White technical sheet.

Series 16 LED 3E

Separate Controls for Uplight and Downlight

The Series 16 LED 3-Engine (3E) is an architectural indirect/direct linear LED luminaire with single or dual circuit controls for the uplight and downlight. Users can manage intensity levels and switch between indirect and direct illumination to suit the task at hand.

Tailored Output

- Static White output options: Standard **(S)**, Boosted Standard **(B)**, High **(H)**, and Very High **(V)**
- Tunable White output options: Boosted Standard **(B)** and Very High **(V)**

Tailored Color

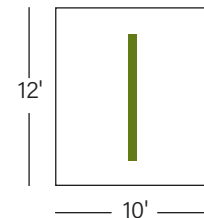
- Static White light options at 3000K, 3500K and 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

Tailored Control

- Independent control of the uplight and downlight with Static White, available
- Dimming from 100% to 10% standard; 1% available
- Industry-leading pre-qualified drivers and controls options available
- Integrated or networked daylight and occupancy sensors options available
- Simplified white light color tuning design

3-Engine – Private Office

	H - S 3500K
Light Level (fc)	37.2
Average to Minimum	1.49:1
Energy Consumption (LPD)	0.605 W/ft ²
Room Size	10' x 12'



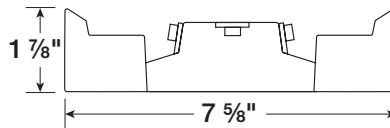
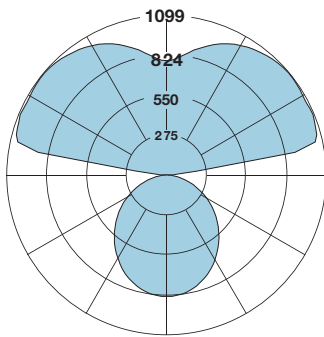
Initial light levels at work plane.

Ceiling Height: 9'0" / Mounting Height: 7'6" AFF / Room Reflectances: 80/50/20

Performance

3E Photometry — 4 ft. Luminaire

3500K Very High Output



S16-LED-ID-DCO-4FT-3E-V-V-835-OPEN

Distribution: 67% Up / 33% Down

Efficacy: 117 lumens per watt

Total Luminaire Output: 6657 lumens (1664 lm/ft)
56.8 watts (14.2 w/ft)

CCT: 3500K

ITL LM79 Report 85122

3E OPEN Lumen Output Per Foot (3500K)				
	↑ S* / S*↓	↑ B* / B*↓	↑ H* / H*↓	↑ V** / V**↓
Uplight (lm/ft)	456	573	866	1114
Downlight (lm/ft)	225	283	428	550
Total Lumens - 4 ft.	2725	3426	5178	6657
Wattage per foot	5.7	7.1	10.9	14.2
Efficacy Total (lm/W)	120	120	119	117

* Family Correlation based on 4 ft. luminaire 3500K Very High Output (V) test – 120V

** Correlation based on ITL report: 85122

Notes:

Individually select uplight and downlight outputs in any combination.

Please refer to technical sheet for more information.

For Tunable White data please see Tunable White technical sheet.

Series 16 LED 4E

Maximum Controls and Distribution Options

The Series 16 LED 4-Engine (4E) is an architectural indirect/direct linear LED luminaire with five distribution options. The 4-Engine is designed to maximize the downlight output with independent uplight and downlight intensity controls.

Tailored Output

- Static White output options: Standard **(S)**, Boosted Standard **(B)**, and High **(H)**
- Five distribution ratios: 10% up / 90% down (10U90D), 20% up / 80% down (20U80D), 30% up / 70% down (30U70D), 40% up / 60% down (40U60D), and Total Direct Optic (TDO)

Tailored Color

- Static White light options at 3000K, 3500K and 4000K CCT
- 80+ and 90+ CRI options available

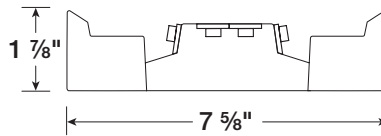
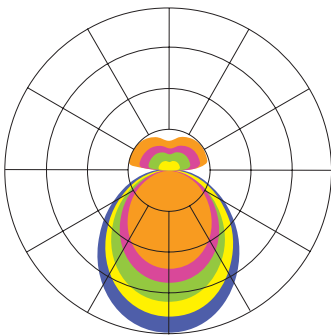
Tailored Control

- Independent control of the uplight and downlight with Static White, available
- Dimming from 100% to 10% standard; 1% available
- Industry-leading pre-qualified drivers and controls options available
- Integrated or networked daylight and occupancy sensors options available

Performance

4E Photometry — 4 ft. Luminaire

Distribution Ratios
3500K High Output



- 10U90D
 Up to 1250 lm/ft
- 20U80D
 Up to 1250 lm/ft
- 30U70D
 Up to 1250 lm/ft
- 40U60D
 Up to 1250 lm/ft
- TDO
 Up to 1250 lm/ft

4E Distribution Ratios, 3500K, 80+ CRI*		
	Total Lumens - 4 ft.	Efficacy (lm/W)
10U90D	3000 – 5000 (↑10% / 90% ↓)	115
20U80D	3000 – 5000 (↑20% / 80% ↓)	114 – 115
30U70D	3000 – 5000 (↑30% / 70% ↓)	114 – 117
40U60D	3000 – 5000 (↑40% / 60% ↓)	114 – 117
TDO	3000 – 5000 (↑0% / 100% ↓)	115 – 117

* Family Correlation based on 4 ft. luminaire 3500K Very High Output (V) test - 120V
Correlation based on ITL LM79 Report 85122

Notes:

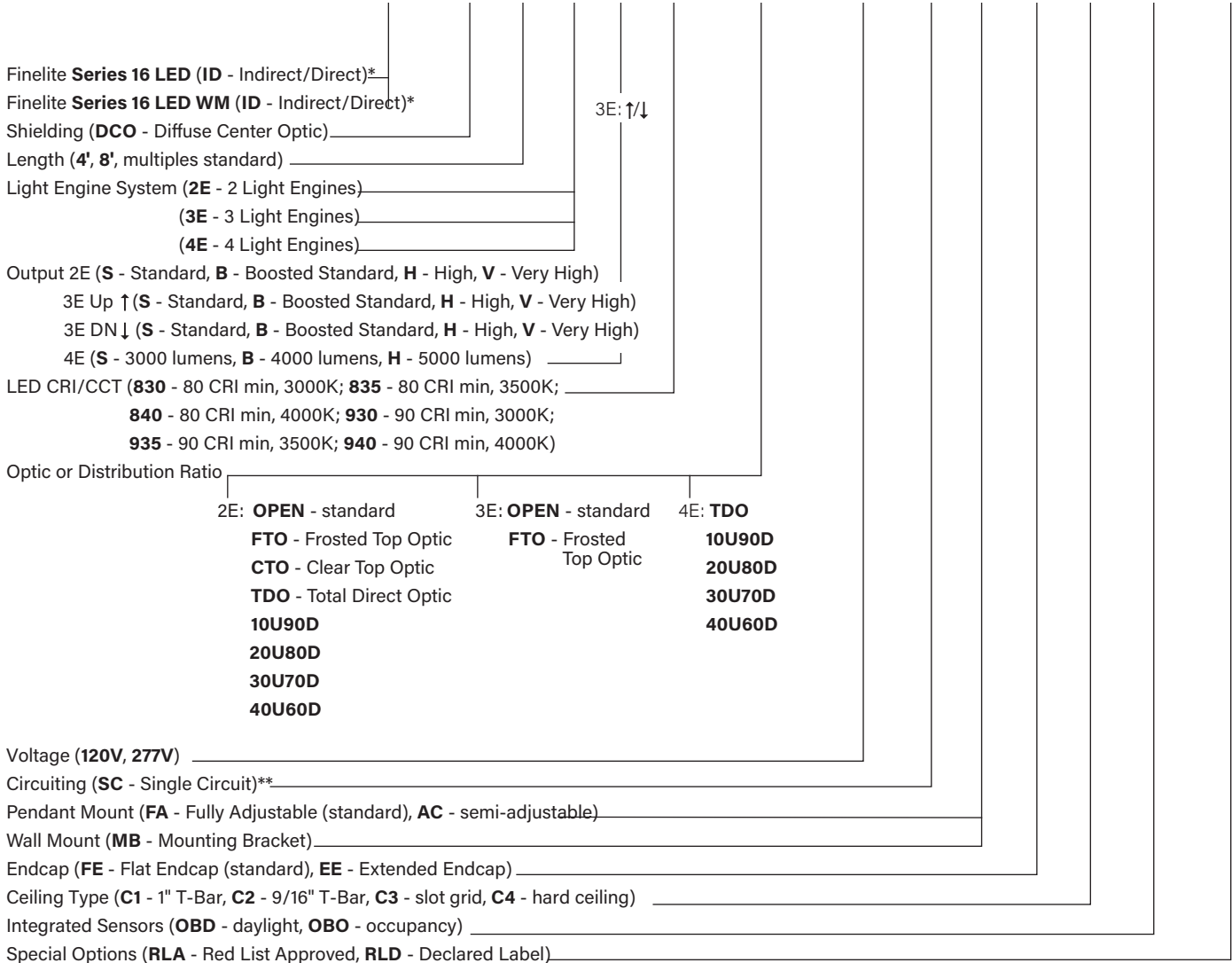
Please refer to technical sheet for more information.
For Tunable White data please see Tunable White technical sheet.



Ordering Guide

2E, 3E, and 4E LED

S16 LED-ID - DCO - 8' - 2E - S - 835 - 10U90D - 120V - SC - FA - FE - C1 - OBO - RLA



* Indirect luminaires available on 2E and 3E

** Contact factory for switching options

Note:

For Tunable White please see Tunable White technical sheet.

Tunable White

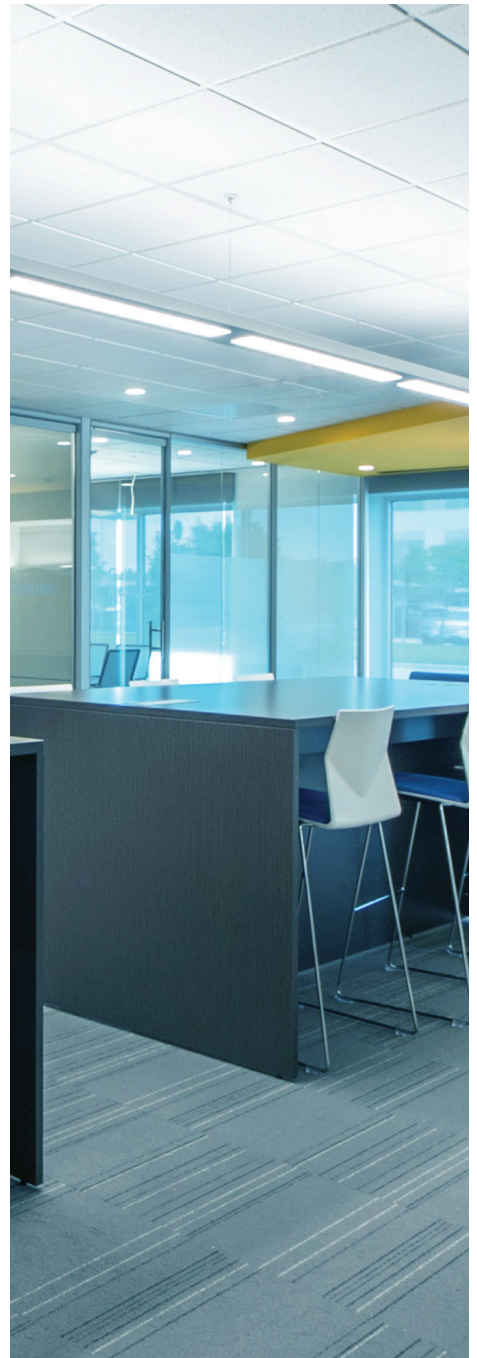
2700K



3500K



6500K





Tunable White Luminaires

Tunable White luminaires from Finelite help lighting designers tailor the color and intensity of the light in a space.

Comprehensive Product Selection

Available for 10-day shipping with all our most popular luminaire series with FineTune controls.

Preference

Choose the lighting tone for your palette of finishes from a warm 2700K CCT to a cool daylight 6500K CCT.

Two-Source Tuning

The two-chip design is simple, efficient, affordable, durable, and compatible with multiple control systems.

Series 16 LED

Flexibility • Efficacy • Affordability

The Finelite Difference



10-year performance-based warranty



Ships in 10 working days for standard orders



Tailored Lighting



Buy American Act Compliance