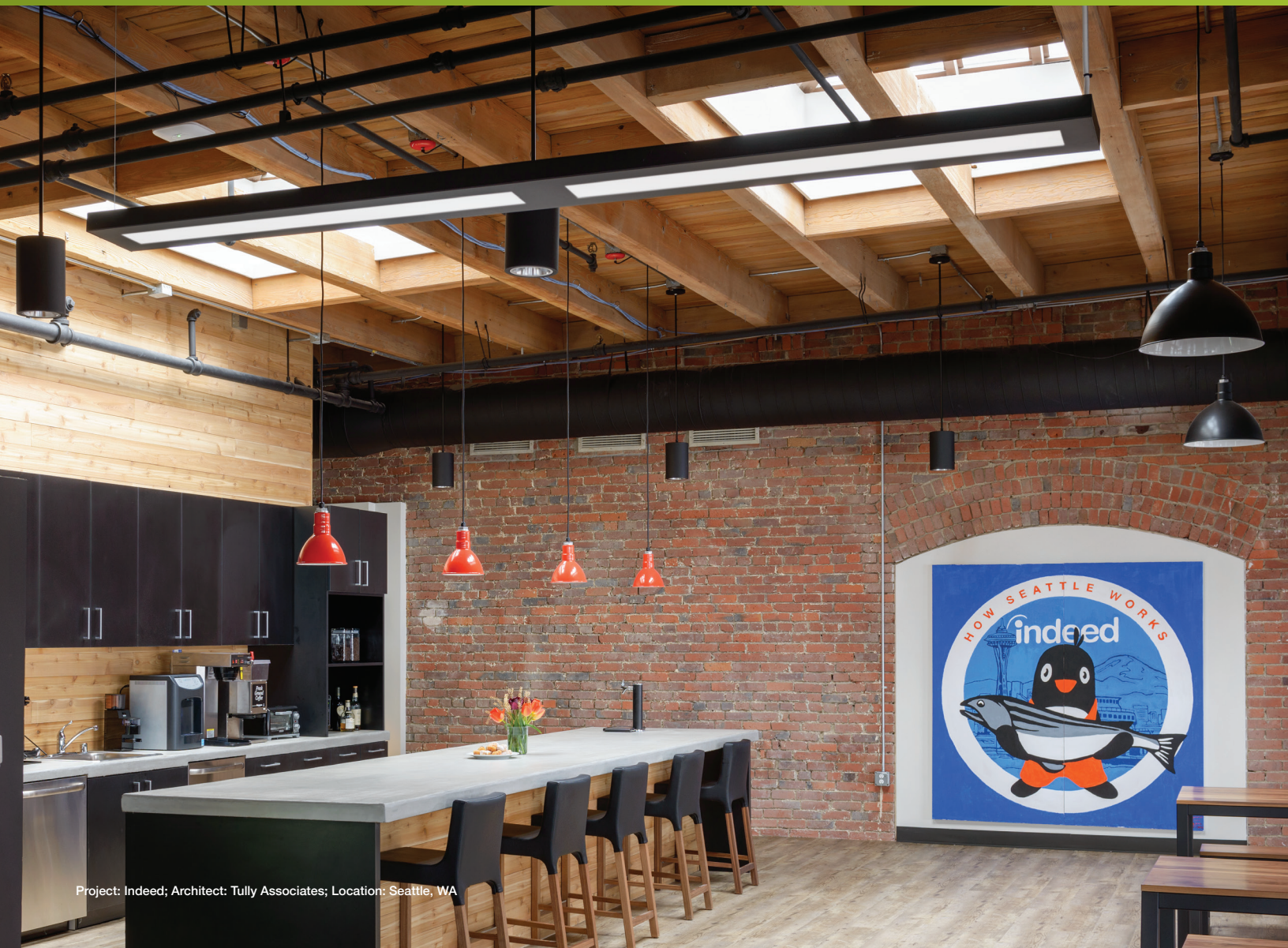




**FINELITE®**  
Better Lighting

# Series 16 LED

Flexibility • Efficacy • Affordability



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



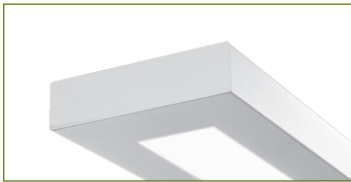
Indirect/Direct Luminaires

A brand of **legrand®**

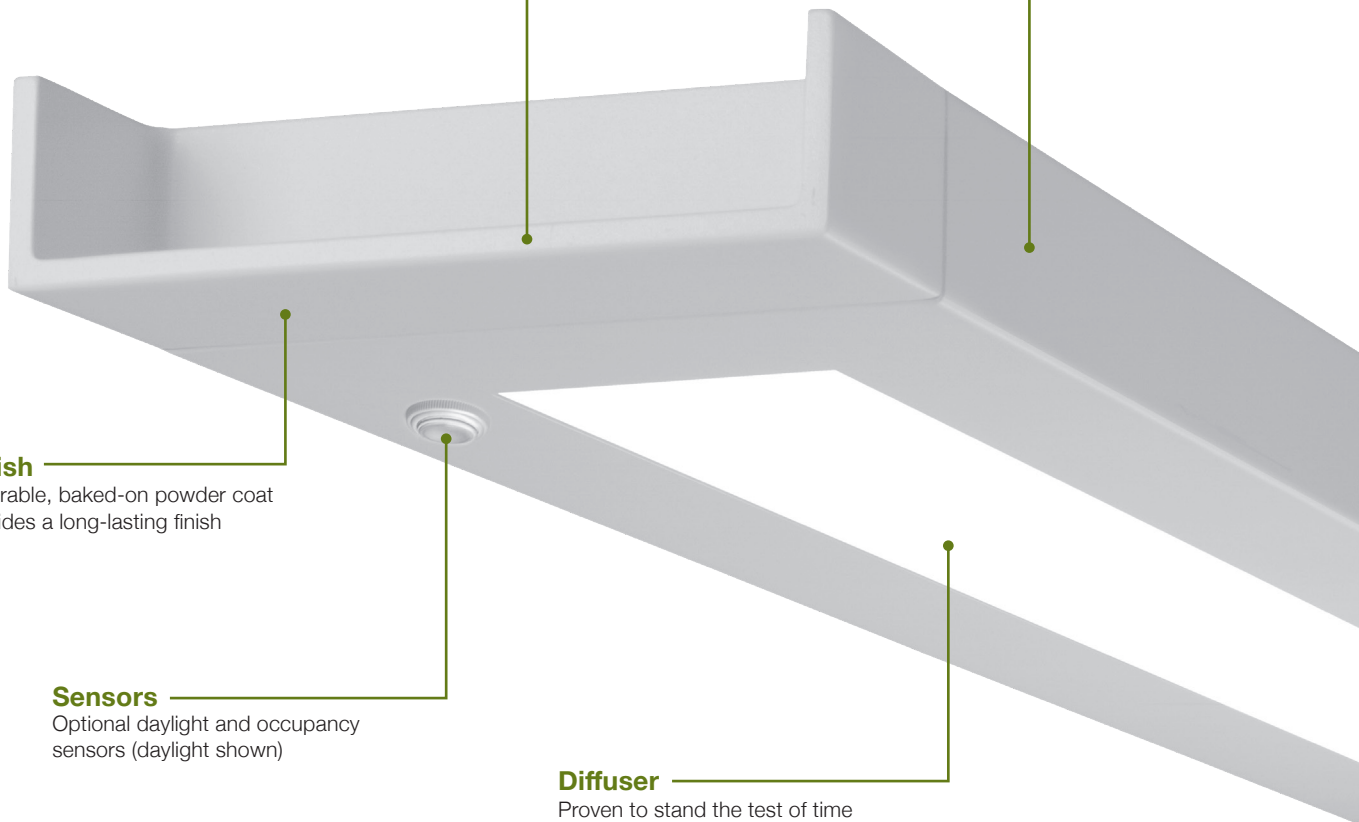
# Series 16 Collection

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

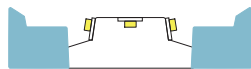
Tune white light and intensity to the preferences of the people in the space.

## Declared 2.0

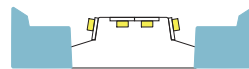
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified.



**2-Engine**



**3-Engine**



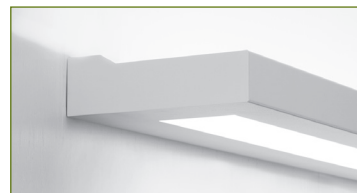
**4-Engine**

## 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

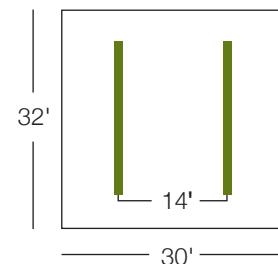
- Static White light options at 3000K, 3500K and 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

### 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 <sup>2</sup>
Room Size	30' x 32'

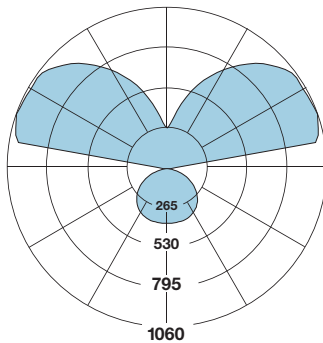


Initial light levels represent typical average desktop surface.  
Ceiling Height: 10'0" / Mounting Height: 8'0" AFF / Room Reflectances: 80/50/20

# Performance

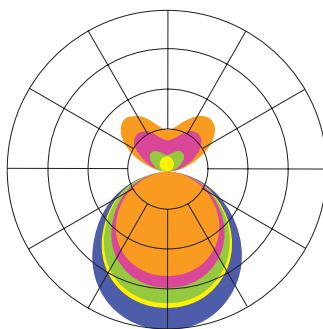
## 2E Photometry – 4 ft. Luminaire

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



**OPEN** Up to 1181 lm/ft

**Distribution Ratios**  
3500K Very High Output



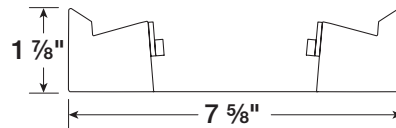
**10U90D** Up to 785 lm/ft

**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)
<b>S*</b>	483	3.7	132
<b>B*</b>	608	4.6	131
<b>H*</b>	918	7.2	128
<b>V**</b>	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)
<b>10U90D</b>	1285 – 3138 (↑10% / 90% ↓)	84 – 88
<b>20U80D</b>	1347 – 3291 (↑17% / 83% ↓)	88 – 92
<b>30U70D</b>	1435 – 3506 (↑30% / 70% ↓)	94 – 99
<b>40U60D</b>	1504 – 3675 (↑40% / 60% ↓)	99 – 103
<b>TDO</b>	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

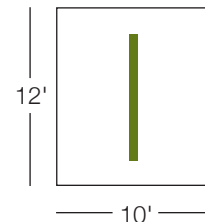
- Static White light options at 3000K, 3500K and 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

### 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 and installation with the FineTune™ controls system

### 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 <sup>2</sup>
Room Size	10' x 12'

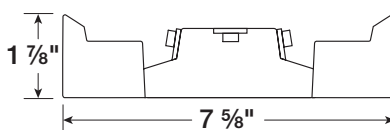
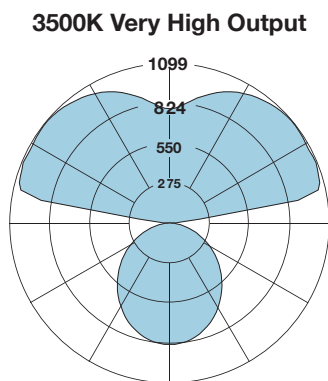


Initial light levels at work plane.

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

# Performance

## 3E Photometry – 4 ft. Luminaire



### 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** ↓
<b>Uplight (lm/ft)</b>	456	573	866	1114
<b>Downlight (lm/ft)</b>	225	283	428	550
<b>Total Lumens - 4 ft.</b>	2725	3426	5178	6657
<b>Wattage per foot</b>	5.7	7.1	10.9	14.2
<b>Efficacy Total (lm/W)</b>	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

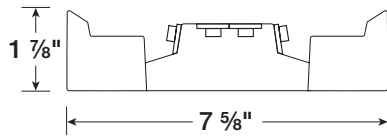
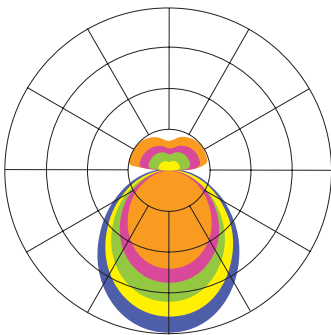
- Independent control of the uplight and downlight with Static White, available
- Dimming from 100% to 10% standard; 1% available
- Industry-leading pre-qualified drivers and controls options available
- Integrated or networked daylight and occupancy sensors options available



# 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)
<b>10U90D</b>	3000 – 5000 (↑10% / 90% ↓)	115
<b>20U80D</b>	3000 – 5000 (↑20% / 80% ↓)	114 – 115
<b>30U70D</b>	3000 – 5000 (↑30% / 70% ↓)	114 – 117
<b>40U60D</b>	3000 – 5000 (↑40% / 60% ↓)	114 – 117
<b>TDO</b>	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.

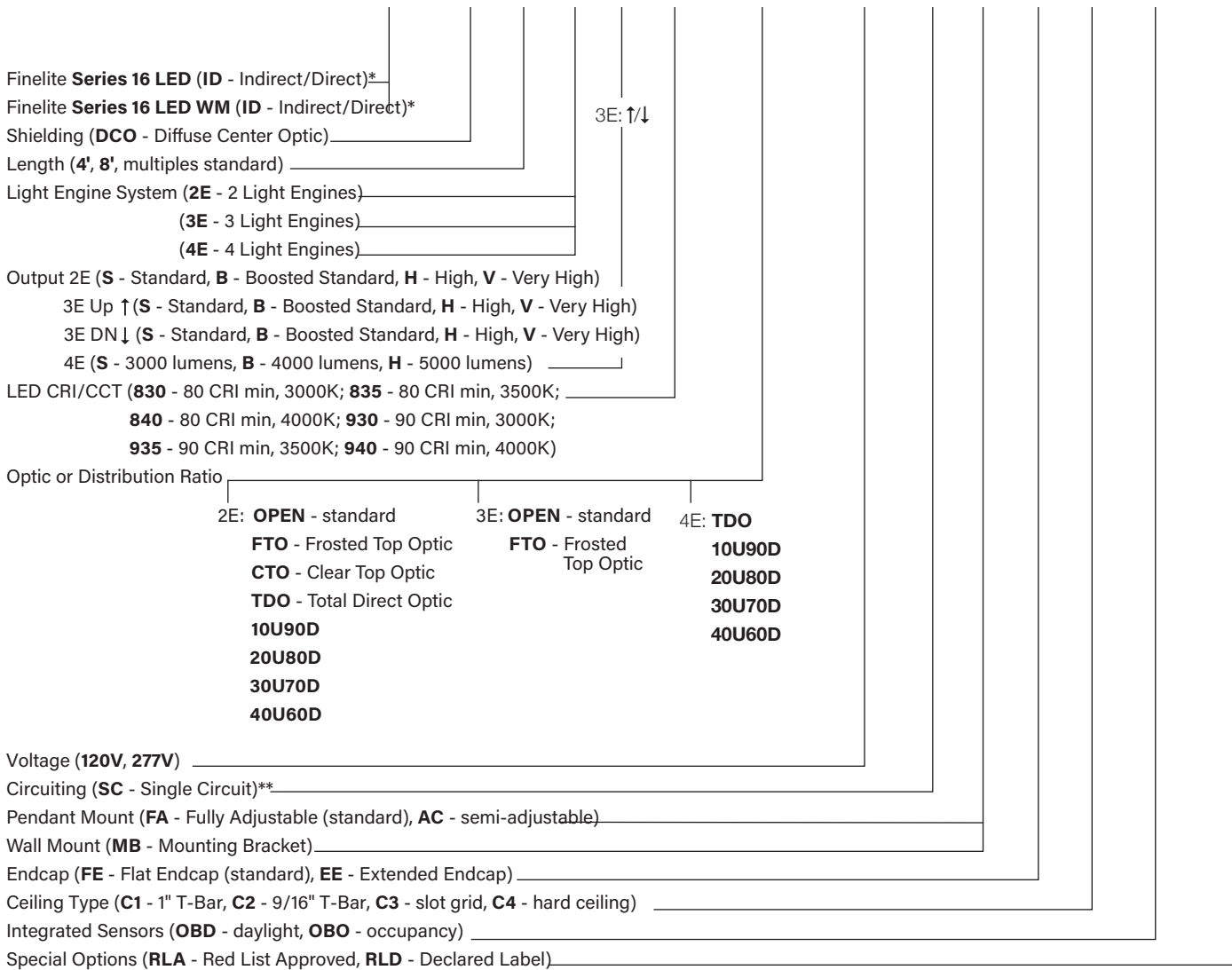
For Tunable White data please see Tunable White technical sheet.



# 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 & FineTune™

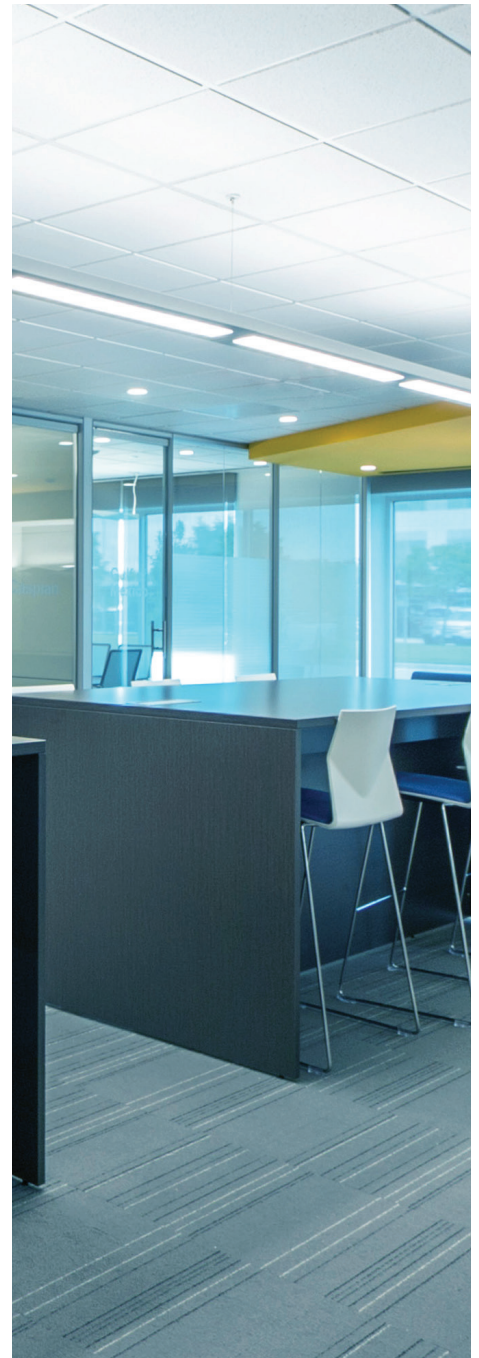
2700K



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.



## FineTune™ Controls System

FineTune is a simple, elegant, and robust white color tuning controls system.

### Commissioning Simplified

FineTune arrives with all the DMX programming pre-configured for color-tuning, uniform dimming, daylight zones and sensor logic.

### Everything's Included

All plug-and-play controllers and cables are supplied for tunable white light and dimming.

### Control with Ease and Precision

Wall controller and mobile app make it easy to control color and intensity with visual displays of settings.



# Series 16 LED

Flexibility • Efficacy • Affordability

## Finelite LED Difference



10-year performance-based warranty



90% of initial light output at 100,000+ hours



Dimming standard



Replaceable LED light arrays

## Finelite Commitment To You



10-working-day shipping on standard orders



Focus on sustainability