

INDUSTRY BEST  
**10**  
YEAR  
LED WARRANTY

# Series 16 LED

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

Flexibility • Efficacy • Affordability  
Indirect/Direct Luminaires



**FINE LITE**  
Better Lighting

# 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.

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 Declared status.

Features

# Tailored Output

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

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



Features

# Tailored Control

Dim and tune the lighting  
to fit user preference

- 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
- FineTune™ controls system: Simplified white light color tuning design and installation

Features

# Tailored Color

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



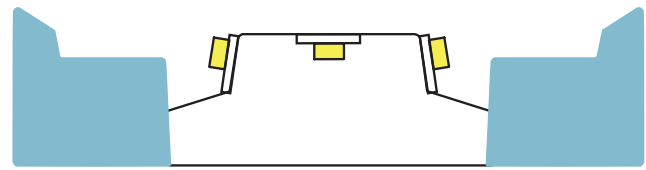
- Static White light options: 3000K, 3500K, 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

# Series 16 Collection

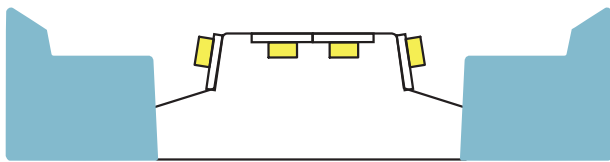
**2-Engine**



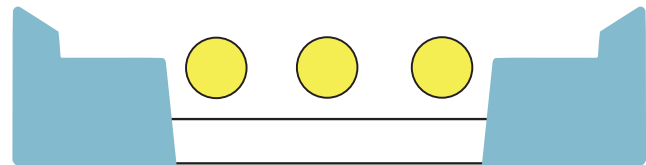
**3-Engine**



**4-Engine**

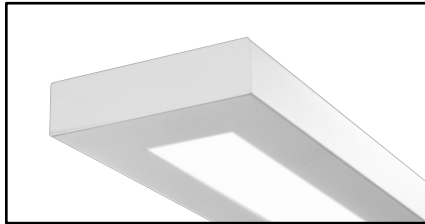


**Fluorescent**



# Series 16 Collection

## Flat Endcap (standard)



## Extended Endcap (optional)

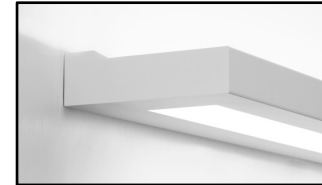
**Finish**  
A durable, baked-on powder coat provides a long-lasting finish

**Sensors**  
Optional daylight and occupancy sensors (daylight shown)

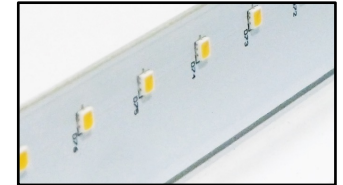
**Diffuser**  
Proven to stand the test of time without yellowing or cracking

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

## Complementary Wall Mount



## Mid-Power LEDs



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

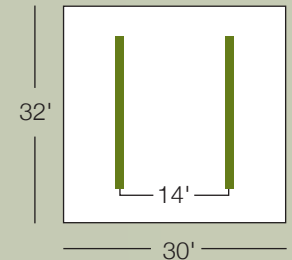
# Series 16 LED 2E

## 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.

### 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'



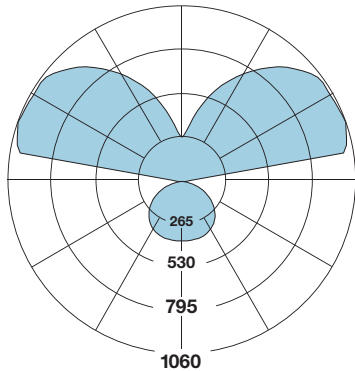
Initial light levels represent typical average desktop surface.  
Ceiling Height: 10'0" / Mounting Height: 8'0" AFF / Room Reflectances: 80/50/20



# Series 16 LED 2E - Performance

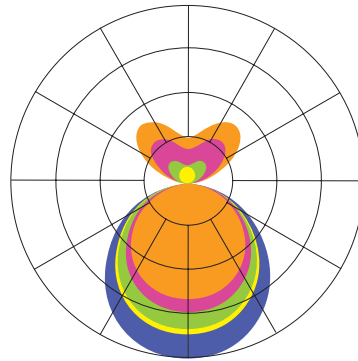
## 2E Photometry – 4' Luminaire

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



OPEN Up to 1181 lm/ft

**Distribution Ratios**  
3500K Very High Output



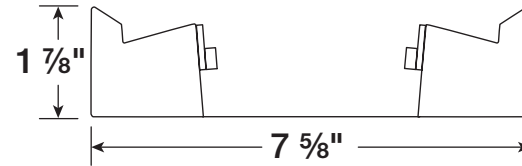
10U90D Up to 785 lm/ft

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' Luminaire 3500K Very High Output (V) test – 120V

\*\* Correlation based on ITL LM79 Report: 85120

2E Distribution Ratios, 3500K, 80+ CRI*		
	Total Lumens	Efficacy (lm/W)
10U90D	1285 – 3138 (↑10% / 90%)	85 - 89
20U80D	1364 – 3331 (↑17% / 83%)	90 - 94
30U70D	1415 – 3457 (↑30% / 70%)	93 - 97
40U60D	1305 – 3187 (↑40% / 60%)	86 - 90
TDO	1335 – 3261 (↑0% / 100%)	88 - 92

\* Family Correlation based on 4' Luminaire 3500K Very High Output (V) test – 120V

\*\* Correlation based on ITL LM79 Report: 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

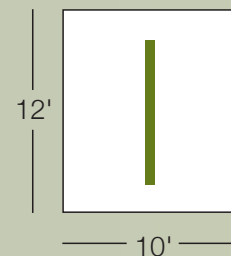
## Separate Controls for Uplight and Downlight

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.

### 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'



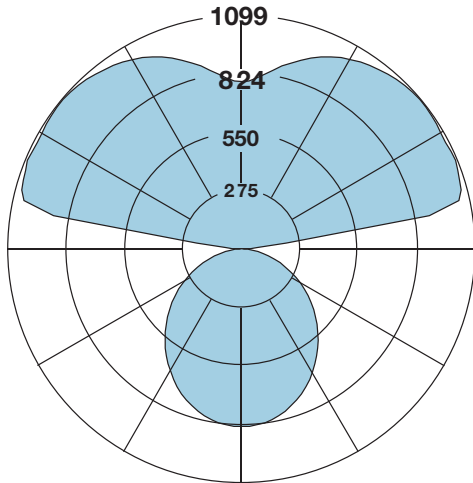
Initial light levels at work plane.

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

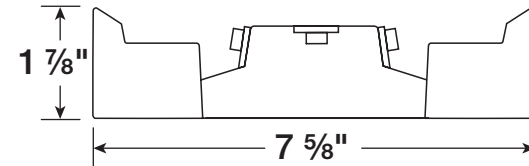
# Series 16 LED 3E - Performance

## 3E Photometry – 4 ft. Luminaire

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



**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.



**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	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' Luminaire 3500K Very High Output (V) test – 120V

\*\* Correlation based on ITL report: 85122

# Series 16 LED 4E

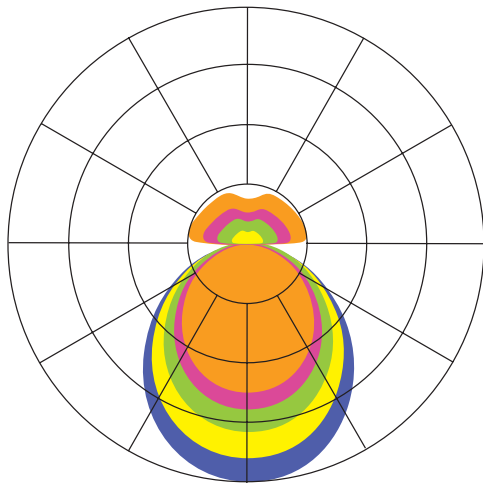
## **The Most Controls and Distribution Options**

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.

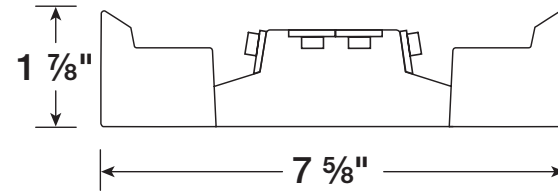
# Series 16 LED 4E - Performance

## 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.	Total 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' Luminaire 3500K Very High Output (V) test – 120V  
 \*\* Correlation based on ITL report: 85122

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

# Series 16 Collection



Project: Alexander Graham Bell Elementary School; Architect: DLR Group; Location: Kirkland, WA



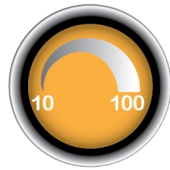
# The Finelite LED Difference



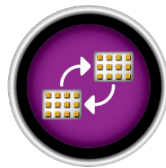
10-year performance-based warranty



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



Dimming Standard



Replaceable LED light arrays

# The Finelite Commitment to You



10-working-day shipping on standard orders



Focus on sustainability