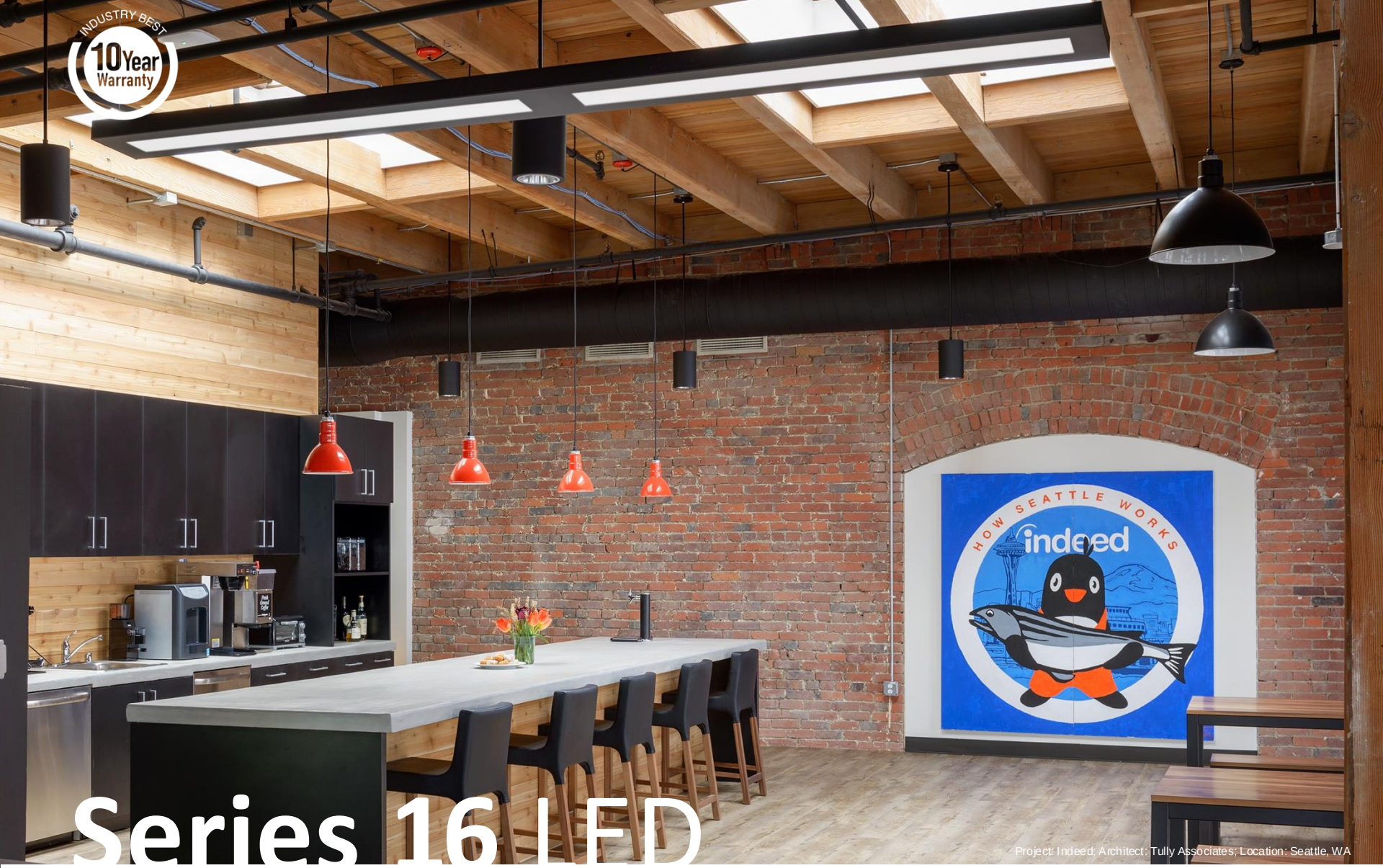


Series 16 LED

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

Flexibility • Efficacy • Affordability

Indirect/Direct Luminaires

Tunable White LUMINAIRES

FINELITE® Better Lighting

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.

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.

Declare. Third Party Verified

FINELITE® Better Lighting

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)**

FINELITE®
Better Lighting

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
- Simplified white light color tuning design and installation

FINELITE®
Better Lighting

Features

Tailored Color

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

Tunable White LUMINAIRES

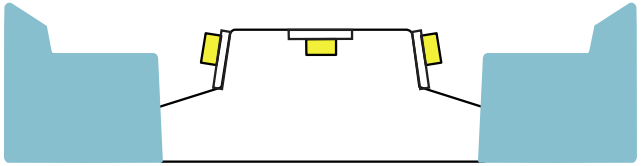
- Static White light options: 3000K, 3500K, 4000K CCT
- Tunable White option for two-source tunable white light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

FINELITE® Better Lighting

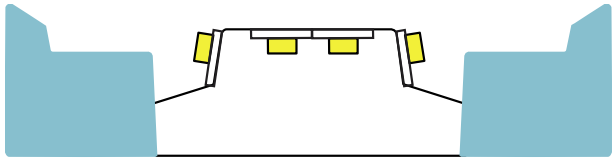
Series 16 Collection

2-Engine

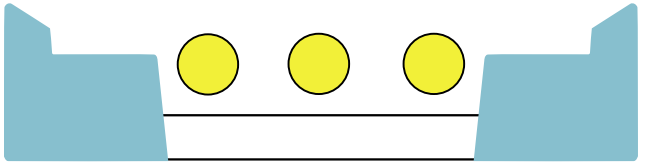
3-Engine



4-Engine



Fluorescent



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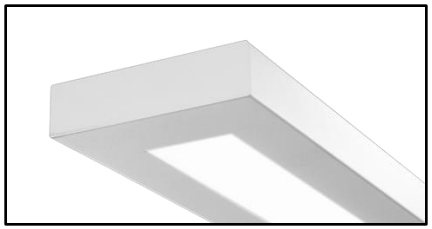
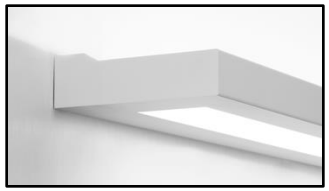
Series 16 Collection

Flat Endcap (standard)

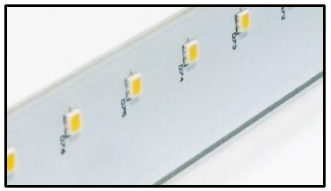


Driver Life
Designed to run cool, expected driver lifetime exceeds 100,000+ hours

Complementary Wall Mount

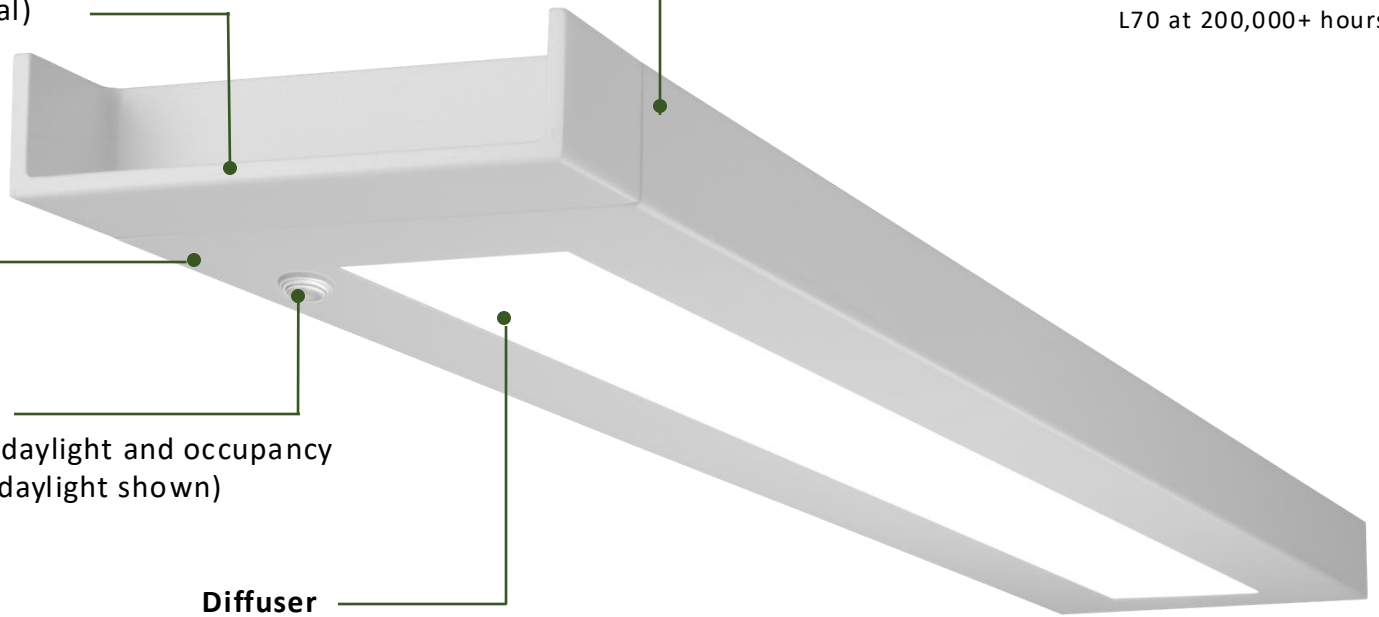


Mid-Power LEDs



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

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

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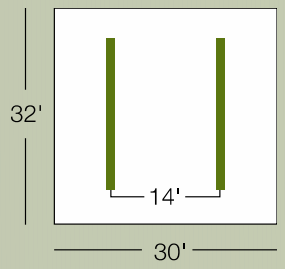
Series 16 LED 2E

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^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

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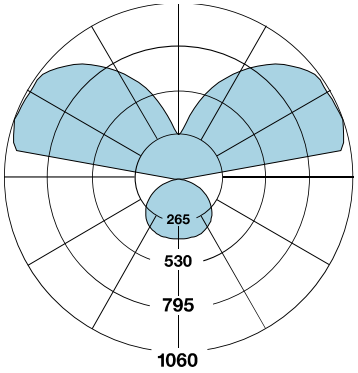
Series 16 LED 2E - Performance

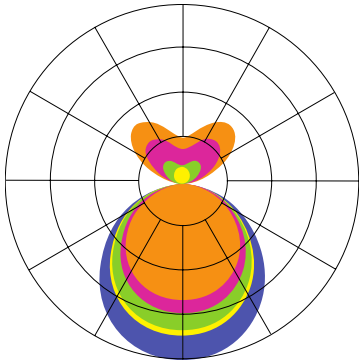
2E Photometry – 4' Luminaire

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

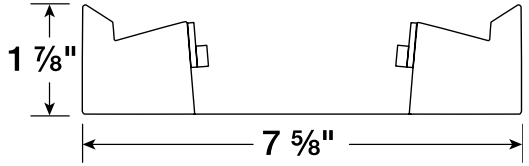
20U80D Up to 823 lm/ft

30U70D Up to 877 lm/ft

40U60D Up to 919 lm/ft

TDO Up to 815 lm/ft

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



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

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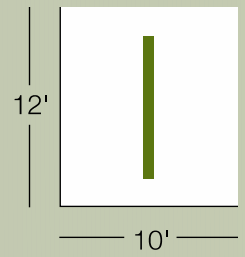
Series 16 LED 3E

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^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

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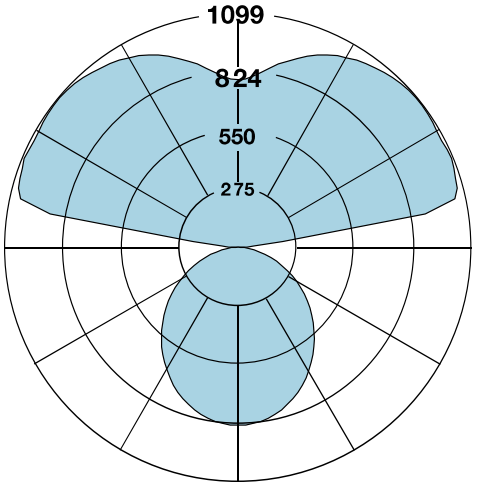
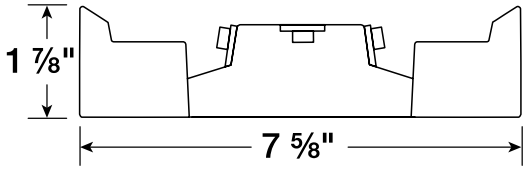
Series 16 LED 3E - Performance

3E Photometry – 4 ft. Luminaire

Distribution: 76% Up / 24% Down
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	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

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.

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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.

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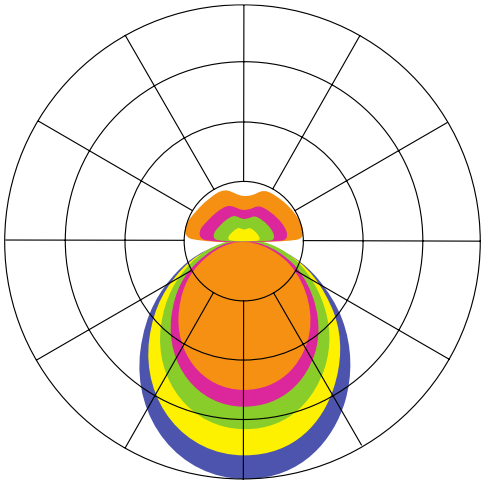
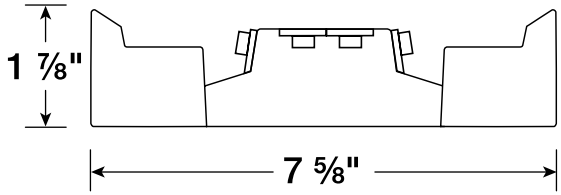
Series 16 LED 4E - Performance

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.

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Series 16 Collection

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

FINELITE®
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The Finelite Difference

10-Year performance-based warranty

10-working-day shipping on standard orders

Tailored Lighting available

Buy American Act Compliance