

STO

TDO

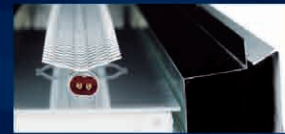
**Design Flexibility** – Accommodate space changes using Series 16. The Soft Top Optic (STO), Total Direct Optic (TDO) adjust the amount of downlight and can be easily added after installation.

## Design Solutions

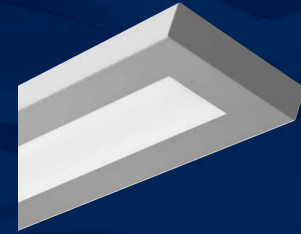


### Low Ceiling Solutions

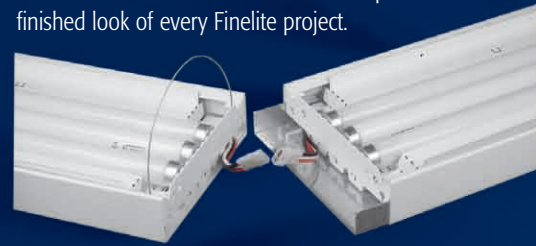
Optical performance and luminaire scale combine to make Series 16 an ideal solution for low ceiling applications. The Wide Spread Optic (WSO) delivers amazing results for 1T5HO or 1 T8 lamp.



**Shielding** – Series 16 is available with three shielding options, including diffuse center optic, white cross blade baffle, and a semi-specular baffle.



**Installation Efficiency** – Design features like aligner sleeves, plug together wiring, and wire management channels reduce installation time and improve the finished look of every Finelite project.



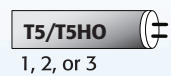
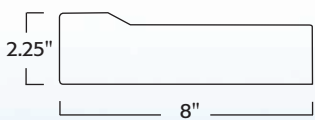
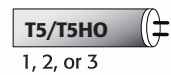
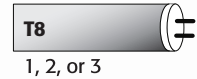
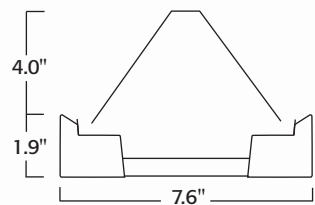
### Daylight Harvesting

High performance schools and offices incorporate daylighting, and Series 16 combined with Finelite's custom wiring capability will make your daylight harvesting goals a reality.

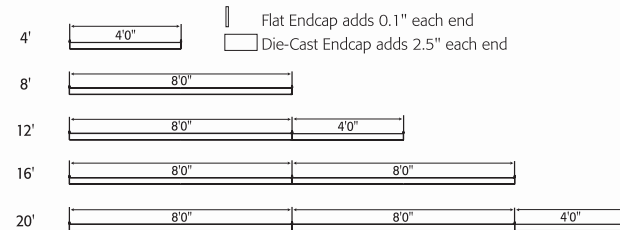
## Series 16

Product Specs

### Dimensions and Lamping

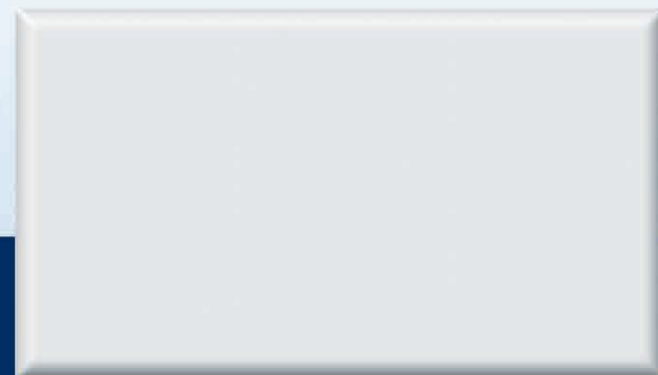


### Lengths



**FINELITE**  
Better Lighting

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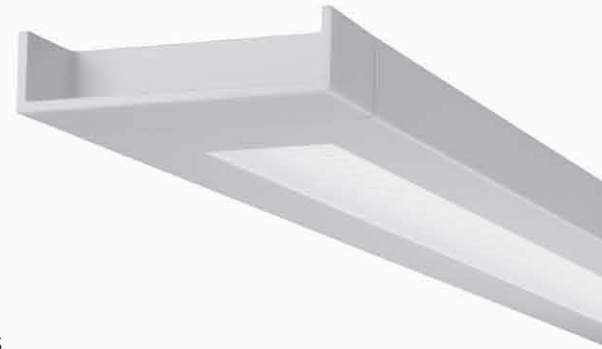


## Series 16

A timeless shape elevated by advanced optical systems, this luminaire meets the challenges put before today's designers. Projects with low ceilings, those requiring high performance classrooms, and even those focused on exceeding the most advanced energy codes, will achieve their goals with Series 16.

### Aesthetic Choices

Series 16 features three shielding and two endcap choices. The diffuse center optic provides uniform brightness for a clean contemporary aesthetic. The white cross blade baffle achieves a subtle balance between the aperture luminance and the ceiling line creating a beautiful visual balance. The semi-specular baffle reduces aperture brightness for VDT intensive environments, and the luminaire is finished with a choice of standard flat or optional diecast aluminum endcap.



# Flexible Design

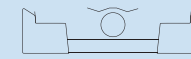
### Wall Mount Option

The wall mount features a hidden bracket to create the appearance of a floating luminaire.



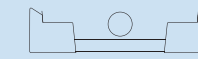
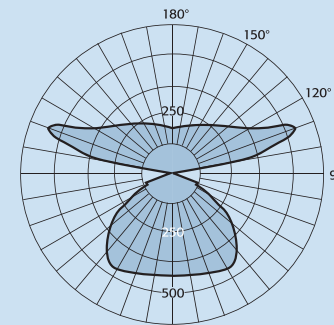
## High Performance Optics

High performance luminaires like Series 16 reduce energy and materials consumption without sacrificing occupant satisfaction. Series 16 uses ballast technology and optical designs to space luminaires farther apart, resulting in the use of fewer lamps and ballasts, which drastically reduces energy consumption. The optional Wide Spread Optic makes it possible to achieve these goals regardless of ceiling height.



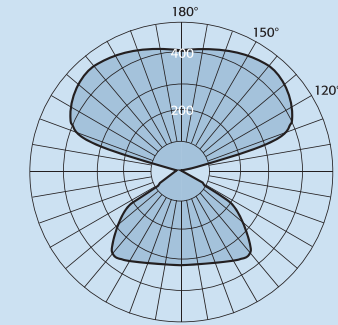
### SERIES 16: 1 T8 - WSO

Distribution: 59% up / 41% down  
Efficiency: 83.8%  
Peak Candela Value: 525@ 110°  
LSI Report 21895



### SERIES 16 - 1T8 - 91 WHITE

Distribution: 69% up / 31% down  
Efficiency: 94%  
Peak Candela Value: 458@ 135°  
LSI Report 21896



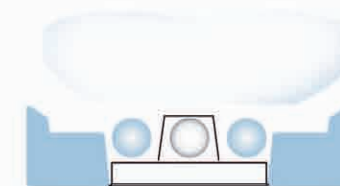
Application	High Ceilings - 1T8			Low Ceilings - 1T8-WSO		
	10'	12'	14'	9'6"	9'0"	8'6"
Ceiling Height	10'	12'	14'	9'6"	9'0"	8'6"
Row Spacing	12'	12'	14'	12'	10'	10'
Room Size	48'x40'	48'x40'	56'x40'	48'x40'	40'x40'	40'x40'
Suspension (to bottom of luminaire)	24"	36"	48"	18"	12"	12"
Ballast Factor	1.18	1.18	1.18	1.0	0.88	0.88
Avg. FC Maintained	51 fc	48 fc	40 fc	40 fc	40 fc	43 fc
Ceiling Uniformity	5:1	2:1	2:1	4:1	8:1	8:1
Power Density LPD (w/ft. <sup>2</sup> )	0.63	0.63	0.54	0.57	0.56	0.56
<b>% Below Title 24 LPD 1.2 w/ft.<sup>2</sup></b>	<b>48%</b>	<b>48%</b>	<b>55%</b>	<b>52.5%</b>	<b>53%</b>	<b>53%</b>

Reduce Materials  
& Save Energy

Sustainability

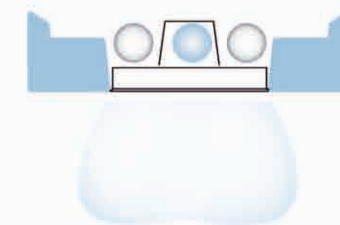
## High Performance Schools

High performance classrooms improve student productivity by implementing quality electric and daylighting design. Use Series 16 as a part of the award-winning Integrated Classroom Lighting System (ICLS) to achieve best practices and maximize teacher effectiveness.



### General Illumination Mode

The multi-scene luminaire provides indirect/direct lighting and delivers an average of 35-50 fc to the desk, while evenly illuminating the ceiling and walls.



### Audiovisual Mode

The A/V mode directs 100% of light downward to eliminate veiling reflections from projection screens, while directing 10-20 fc to the desk, helping keep students alert and giving them enough light for note taking.

