

# ES SERIES | Aesthetic Retail Fluorescent Strip

## Product Description

The ES is a cost effective fixture that is popular in a wide range of applications. The clean and crisp look of the ES makes it an ideal choice for retail and open plan office applications.

The ES series is versatile and allows flexibility in design. With standard and custom reflectors available, the ES series can be designed to distribute the light where it is needed. Other options, including emergency battery back-up and 14ga wire guard, further enhance the usability of this economical fixture series. The ES outfitted with Diffuse Amwhite reflector and High Lumen T8 lamps is an aesthetically-pleasing, high efficiency solution that is popular in many retail applications.

Included in this fixture's unique design is the ability to run in tandem up to 16 linear feet. Designed with a ballast door compartment – this fixture offers it all: tremendous light output, great lighting spread, white sleek appearance, even illumination both up and down, and now – ease of maintenance.

Applications include: retail, office spaces and supermarkets.

**Light Distribution** – This fixture has a patent-pending, custom reflector that is designed to provide optimal light distribution in retail aisles and a controlled energy-conserving uplight component.

## Mounting Methods

ES fixtures offer flexible mounting methods that most commonly include: standard pendant and surface mounting. There are other mounting options for this fixture series, and they are listed as "hanging options" below.

### Hanging Options Include:

- Surface Mount [Mounting holes provided in the housing] (Standard)

- Chain Mount [V Chain hangers] (Optional)
- Quick Cable [QC – Quick hang cable system] (Optional)
- Slide Hanger [SH – Slide Hangers] (Optional)

## Product Construction

The ES fixture housing is brake formed from heavy gauge cold rolled steel. Ends and socket plates snap in place to form a rigid finished product, ends may also be riveted or screwed in place for additional strength. The housing is white with a durable, highly reflective finish.

**Optical Reflector** system is precision brake formed of the selected aluminum material. The one piece reflector is removable without the use of tools.

**Lampholders** are made of a Polycarbonate material; these locking-style lampholders are utilized to ensure positive lamp retention. Additionally, the material contributes to a longer life product in high temperature applications.

**Ballasts** are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

**Listings** – All fixtures are UL and CUL listed.

**Patents** – Reflector design is currently Patent Pending

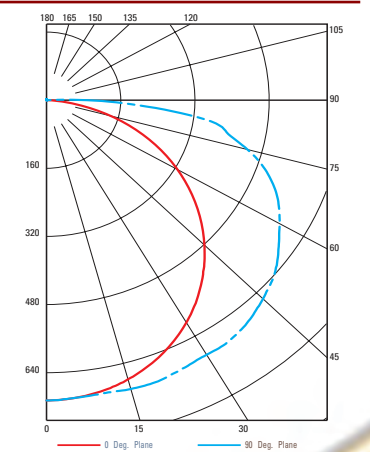
## Photometric Data

LTL NUMBER: 11509  
CAT#: ES 132 UV 1SI W

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	551	18.4	19.9
0-40	934	31.1	33.7
0-60	1812	60.4	65.3
0-90	2754	91.8	99.3
90-120	19	0.6	0.7
90-130	19	0.6	0.7
90-150	19	0.6	0.7
90-180	19	0.6	0.7
0-180	2773	92.4	100.0

TOTAL LUMINAIRE EFFICIENCY: 92.4%  
TOTAL REFLECTANCE OF PAINT: 92.2%  
CIE TYPE: DIRECT  
PLANE: 0-DEG  
SPACING CRITERIA: 1.3 90-DEG 1.5



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### ES – Fixture Ordering Information

Fixture Series	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options*3
ES	1	17	12	1	HI	E	V	E ( )	BLANK	HP
ES6T*1	2	24	27	2	LI	W	QC	F	830	A
EST*2	3	25	34		SI	B	QC ( )	OS ( )	835	TG
ES12T*2		32	UV		SI+		SH	WG	841	SS
ES16T*2		39	HV		PS			WWG	850	ES ( )
ES20T*2		54			PSL			20G		XL
ES24T*2					PSH			SDT		
					PD			U (%)		
					SDH			GV		
					AX			PC		

Please Specify When Ordering:

Fixture Series	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
ES										

\*1 ES6T is a 6ft Tandem fixture, # of lamps are for the profile of the fixture (3' lamps).

\*2 EST is an 8ft Tandem fixture, ES 12T is a 12ft Tandem fixture, ES 16T is a 16ft Tandem fixture, ES 20T is a 20ft Tandem fixture & ES 24T is a 24ft Tandem fixture, # of lamps are for the profile of the fixture (4' lamps).

\*3 Consult Factory for Manufacturer Specific Ordering Codes/Availability.

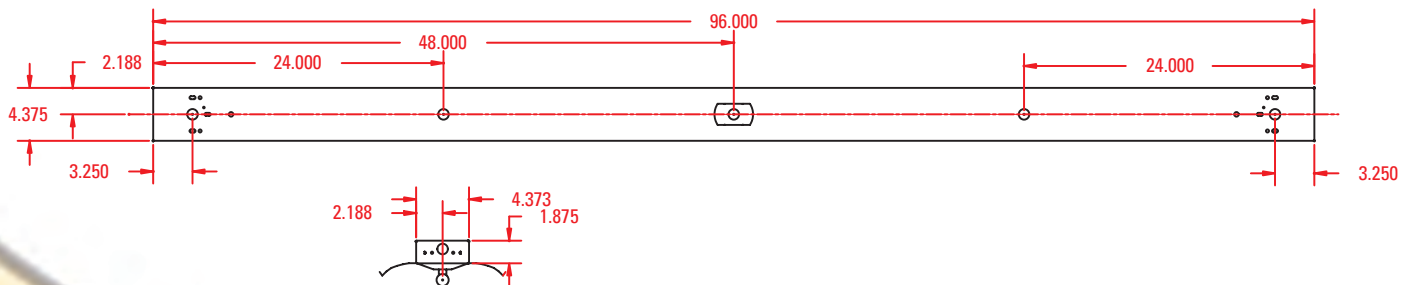
Lamp Type Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
<b>17</b> F17T8 System	<b>HI</b> High Ballast Factor (HBF) Electronic*	<b>E</b> Enhanced Aluminum	<b>E ( )</b> Emergency Pack (# Lumens)	<b>BLANK</b> Lamps Not Included
<b>24</b> F24T5HO System	<b>LI</b> Low Ballast Factor (LBF) Electronic*	<b>W</b> Highly Reflective White Aluminum	<b>F</b> Inline Fuse	<b>830</b> 80+ CRI, 3000K
<b>25</b> F25T8 System	<b>SI</b> Standard Ballast Factor (NBF) Electronic*	<b>B</b> 95% Reflective Extreme White Aluminum	<b>OS ( )</b> Occupancy Sensor (Specify Lamps on Low/Lamps on High)	<b>835</b> 80+ CRI, 3500K
<b>32</b> F32T8 System	<b>SI+</b> 1.0BF Electronic*	<b>Hanging Selections</b>	<b>WG</b> Wireguard	<b>841</b> 80+ CRI, 4100K
<b>39</b> F39T5HO System	<b>PS</b> Programmed Start (NBF)	<b>V</b> Caddy Chain Hangers	<b>WWG</b> White Wireguard	<b>850</b> 80+ CRI, 5000K
<b>54</b> F54T5HO System	<b>PSL</b> Programmed Start LBF*	<b>QC</b> Quick Hang Cable (10')	<b>20G</b> 20 gauge NYC Standards	<b>Lamp Options Selections</b>
	<b>PSH</b> Programmed Start HBF*	<b>QC ( )</b> Quick Hang Cable (Specify Length)	<b>SDT</b> Step Down Transformer (480 to 277V)	<b>HP</b> High Performance, Long Life Lamps*
	<b>PD</b> Programmed Start Dimming	<b>SH</b> Slide Hangers	<b>U</b> Uplight (Specify %)	<b>A</b> Amalgam Tip Lamps***
	<b>SDH</b> Step Dimming HBF (100% to 60% Dimming)*		<b>GV</b> Galvanized Finish	<b>TG</b> Tubeguarded Lamps
	<b>AX</b> Daylight Harvesting Ballast with remote mount photosensor*		<b>PC</b> Photocell	<b>SS</b> Shattershielded Lamps
	* T8 Only			<b>ES ( )</b> Energy Saver (Specify Wattage)**
				<b>XL</b> Long Life*
				* T8 Only
				** 32w T8, 54w T5HO Only
				*** T5HO Only

### Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
ES 232 UV 1HI E	T8	2	74w/73w	7,130	6,900
ES 254 UV 1PS E	T5HO	2	116w/115w	10,000	9,500
EST 132 UV 1PSH E	T8	2	75w/74w	7,130	6,900
EST 232 UV 1HI W	T8	4	148w/145w	14,632	14,160

\*Wattages may vary depending on the ballast manufacturer and lamp type used.

Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer. Specifications and dimensions subject to change without notice. Contact Optimum Lighting for current availability and ordering information.



Fixture Type: \_\_\_\_\_

Catalog #: \_\_\_\_\_ Quantity: \_\_\_\_\_

Project: \_\_\_\_\_

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