Day-Brite CFI

by Signify

Linear

ESR series

Strip retrofit kit

The Day-Brite / CFI ESR strip retrofit kit is designed to offer the end user a cost effective way to increase the efficiency and lumen output of existing strip fixtures. Custom fabricated for the existing channel width, the ESR conversion kit is easy to install and provides for high efficiency general lighting. Applications include supermarkets and retail applications.

ESR retrofit kits are available with a variety of lamp and reflector combinations allowing the customer to design the ESR system to meet or exceed existing light levels and customize the "look" to match their specific needs. Optimum recommends the coupling of the Diffuse Amwhite reflector with high lumen T8 lamps as a way to maximize lumen output while maintaining an aesthetic fixture appearance.

The ESR strip retrofit is designed for easy installation in existing strip fixtures.

Ordering guide

Fixture Series	Channel Width	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options
ESR										

Fixture ordering guide

Fixture Series	Channel Width	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options*5
ESR	Specify*3	1	17	BLANK	BLANK	NB*4	E	E ( )	BLANK	HP
ESR6T*1		2	24	12	1	HI	W	F	830	A
ESRT*2		3	25	27	2	LI	B	OS ( )	835	TG
ESR12T*2			32	34	3	SI		WG	841	SS
ESR16T*2			39	UV		SI+		WWG	850	ES ( )
ESR20T*2			54	HV		PS		SDT		XL
ESR24T*2						PSL		PC		
						PSH		US*4		
						PD		NS		
						SDH				
						AX				

*1 ESR6T is a 6ft Tandem fixture, # of lamps are for the profile of the fixture (3' lamps).
*2 ESRT is an 8ft Tandem fixture, ESR 12T is a 12ft Tandem fixture, ESR 16T is a 16ft Tandem fixture, ESR 20T is a 20ft Tandem fixture & ESR 24T is a 24ft Tandem fixture, # of lamps are for the profile of the fixture (4' lamps).
*3 Specify Existing Channel Width: 3.00'' Minimum for 2 lamp profile and 4.25'' Minimum for 3 lamp profile.
*4 ESR ordered with No Ballast will be shipped with Shunted Sockets, unless Unshunted Sockets are specified.
*5 Consult factory for manufacturing specific ordering codes/availability.

ESR   Strip retrofit kit

Product Construction

The channel cover is made from 0.028" cold rolled steel, and custom fabricated to fit the existing channel width. The brake formed cover is designed with ease of installation in mind. Exterior surfaces are finished with highly reflective white paint.

Optical Reflector

The system is precision brake formed of the selected aluminum material. The reflector is removable without the use of tools, using 1/4 turn fasteners to secure it in place.

Lampholders

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

All 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.

Available fixture selections

Channel Width Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
( ) Specify Width (See Note 3)	NB Ballast Not Included	E Enhanced Aluminum	E( ) Emergency Pack (# Lumens)	BLANK Lamps Not Included
Lamp Type Selections	HI High Ballast Factor (HBF) Electronic*	W Highly Reflective White Aluminum	F Inline Fuse	830 80+ CRI, 3000K
17 F17T8 System	LI Low Ballast Factor (LBF) Electronic*	B 95% Reflective Extreme White Aluminum	OS ( ) Occupancy Sensor (Specify Lamps on Low/Lamps on High)	835 80+ CRI, 3500K
24 F24T5HO System	SI Standard Ballast Factor (NBF) Electronic*		WG Wire Guard	841 80+ CRI, 4100K
25 F25T8 System	SI+ 1.0BF Electronic*		WWG White Wire Guard	850 80+ CRI, 5000K
32 F32T8 System	PS Programmed Start (NBF)		SDT Step Down Transformer (480V to 277V)	**Lamp Options Selections**
39 F39T5HO System	PSL Programmed Start LBF*		PC Photocell	HP High Performance, Long Life Lamps*
54 F54T5HO System	PSH Programmed Start HBF*		US Unshunted Sockets	A Amalgam Tip Lamps***
Voltage Selections	PD Programmed Start Dimming		NS No Sockets	TG Tubeguarded Lamps
BLANK No Ballast	SDH Step Dimming HBF (100% to 60% Dimming)*			SS Shattershielded Lamps
12 120V	AX Daylight Harvesting Ballast with Remote Mount Photosensor*			ES( ) Energy Saver (Specify Wattage)**
27 277V	* T8 Only			XL Long Life*
34 347V				
UV 120-277V				* T8 Only
HV 347-480V				** 32w T8, 54w T5HO Only
				*** T5HO Only

Common fixture selections

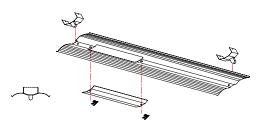| Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
ESR 232 UV 1HI E	T8	2	74w / 73w	7,130	6,900
ESR 254 UV 1PS E	T5HO	2	116w / 115w	10,000	9,500
ESRT 132 UV 1PSH E	T8	2	75w / 74w	7,130	6,900
ESR 24T 132 UV 1SDH W	T8	6	221w / 215w	21,948	21,240

*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 Day-Brite for current availability and ordering information.

Dimensions