

EV SERIES

General Area Light Distribution Lensed Fluorescent Vaportight

Product Description

A highly durable and efficient gasketed vaportight fixture designed to maximize light distribution and withstand the harshest of conditions. The EV sets itself apart from other Vaportights with its smaller body size. Perfect for replacing low wattage High Intensity Discharge fixtures.

Applications include: parking garages, tunnels, car washes, subways and washbays.

Light Distribution - The Linear Prism design of the lens allows for optimal light transmission and superior distribution.

Mounting Methods

EV fixtures are available with durable stainless steel mounting hardware. This mounting option allows the fixture to be hung without holes being drilled through the housing, thus maintaining the fixture's IP ratings and integrity.

Product Construction

The EV's housing is composed of highly durable Fiberglass Reinforced Plastic, while the standard diffuser is Impact Resistant DR Acrylic. Both the interior gear tray and reflector are designed for easy installation and removal.

Optical Reflector system (optional) 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.

Lens is Impact Resistant DR Acrylic. Optional lenses are available, see ordering information.

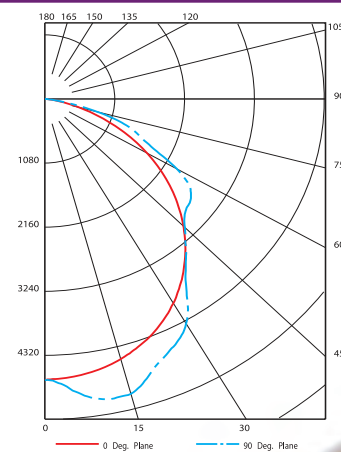
Ballasts are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

Listings - All fixtures are UL and CUL listed, IP65 and/or IP67.

Photometric Data

LTL NUMBER: 13060
CAT#: EV 132 UV 1SI E

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	456	16.0	18.5
0-40	789	27.7	32.0
0-60	1551	54.4	62.9
0-90	2343	82.2	95.1
90-120	118	4.1	4.8
90-130	121	4.2	4.9
90-150	122	4.3	4.9
90-180	122	4.3	4.9
0-180	2465	86.5	100.0
TOTAL LUMINAIRE EFFICIENCY: DIRECT			86.5%
CIE TYPE: 0-DEG			
PLANE: 0-DEG			90-DEG
SPACING CRITERIA: 1.3			1.8



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FIXTURES



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EV – Fixture Ordering Information

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options*3
EV	BLANK	1	32	12	1	HI	E	SM	C ()	BLANK	HP
EVT*1	DRH	2	54	27	2	LI	W		6T1	830	A
	DRE	3*2		34	3	SI	B		6T2	835	TG*4
				UV		SI+			E ()	841	SS*4
				HV		PS			F	850	ES ()
						PSL			OS ()		
						PSH			20G		
						PD			SDT		
						SDH			TPL		
									SSL		
									IP67		
									PC		

Please Specify When Ordering:

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

*1 EVT is an 8ft Tandem fixture, # of lamps are for the profile of the fixture.
*3 Consult Factory for Manufacturer Specific Ordering Codes/Availability.

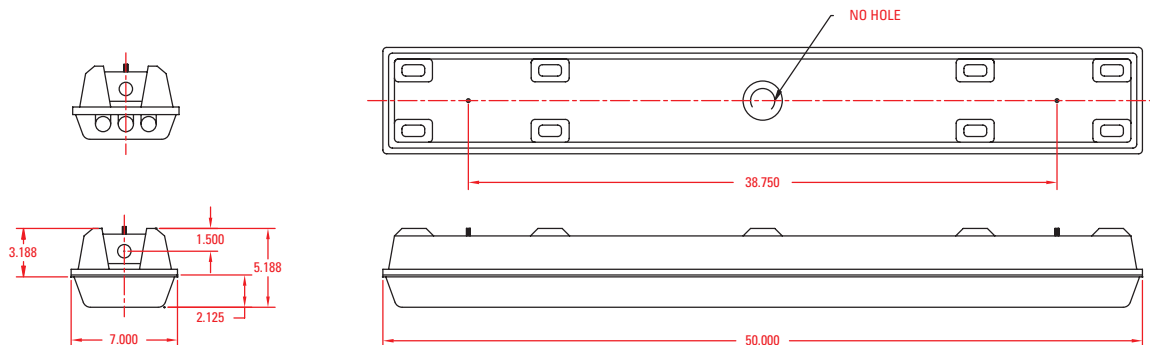
*2 Consult Factory regarding potential temperature restrictions for EV 354 & EVT 354 installation.
*4 Use in lensed fixtures is limited. Contact factory for specific application details.

Lens Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
BLANK DR Acrylic Impact Resistant	HI High Ballast Factor (HBF) Electronic*	E Enhanced Aluminum	C () Single Circuit Cord (Specify Length)	BLANK Lamps Not Included
DRH DR Acrylic High Impact	LI Low Ballast Factor (LBF) Electronic*	W Highly Reflective White Aluminum	6T1 6' Cord with L5-15 Locking End	830 80+ CRI, 3000K
DRE DR Acrylic Extreme	SI Standard Ballast Factor (NBF) Electronic*	B 95% Reflective Extreme White Aluminum	6T2 6' Cord with L7-15 Locking End	835 80+ CRI, 3500K
Lamp Type Selections	SI+ 1.0BF Electronic*	Hanging Selections	E () Emergency Pack (# Lumens)	841 80+ CRI, 4100K
32 F32T8 System	PS Programmed Start (NBF)	SM Stainless Spring Mount Bracket	F Inline Fuse	850 80+ CRI, 5000K
54 F54T5HO System	PSL Programmed Start LBF*		OS () Occupancy Sensor (Specify Lamps on Low/Lamps on High)	Lamp Options Selections
Voltage Selections	PSH Programmed Start HBF*		20G 20 gauge NYC Standards	HP High Performance, Long Life Lamps*
12 120V	PD Programmed Start Dimming		SDT Step Down Transformer (480 to 277V)	A Amalgam Tip Lamps**
27 277V	SDH Step Dimming HBF (100% to 60% Dimming)*		TPL Tamperproof Latches	TG Tubeguarded Lamps
34 347V	* T8 Only		SSL Stainless Steel Latches	SS Shattershielded Lamps
UV 120-277V			IP67 IP67 Rated Enclosure	ES () Energy Saver (Specify Wattage)
HV 347-480V			PC Photocell	* T8 Only ** T5HO Only

Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
EV 132 UV 1LI W	T8	1	25w/25w	2,387	2,310
EV 154 UV 1PS E	T5HO	1	71w/71w	5,600	5,320
EVT 132 UV 1SI W	T8	2	54w/53w	5,394	5,220
EVT 254 UV 1PS E	T5HO	4	232w/226w	20,000	19,000

*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: _____