

ENDEAVOR ESF18

Vandal Resistant

ESF18 Series LED



Fixture Type	Date
Job Name	Approved By
Catalog Number	

SPECIFICATIONS

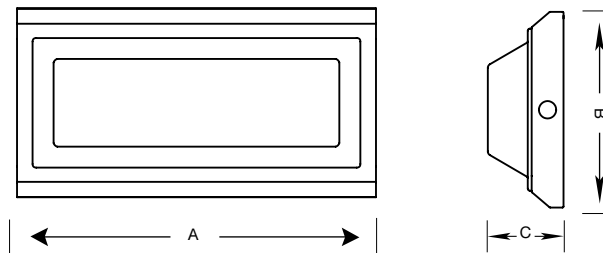
ADA
ADA Compliant



Description	The Endeavor ESF18 series is highly optimized for use in unattended stairwells by combining rugged vandal resistant construction with state-of-the-art sensor control. Included with integral occupancy sensor, the Endeavor is designed for rough environments including dormitory stairwells, hospital stairwells, hotel stairwells, and storage facilities.
Housing	Die formed 18 gauge cold rolled zinc coated steel. Finished with electrostatically applied polyester powder coat.
Lens	Injection molded UV stabilized polycarbonate with integral prisms and 1/8" minimum wall thickness. Secured to housing with 6 captive stainless steel TORX® head screws.
Sensor	High-frequency microwave sensor mounted behind lens.
Drivers	Dimming to 1%, 10% or Programmable Lumen Output driver options. Non-Dimming Driver is also available.
LED	Samsung LM561C series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L ₇₀ projected life of over 130,000 hours at 50°C.
UL Listing	U.L., C.U.L. Damp Location Listing standard, Wet Location Listing optional.
Government Procurement	BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
ESF18	18.00	9.5	3.75



ORDERING INFORMATION

Example: ESF18 NODIM 30W 27K 120 CLP WHT FAM7

Series*	Drivers*	Wattage (Nominal)	Lumens (For PRD Only)	CCT*	Voltage*
ESF18 Budget-oriented Vandal Resistant Stairwell Fixture with hidden Occupancy Sensor	MIN1 ¹ Dimming to 1%	30W	900LM - 6900LM - Lumens available in 100LM increments <i>Lumens required if PRD driver chosen</i>	27K 2700K	120 120 Volt
	MIN10 ¹ Dimming to 10%	50W		30K 3000K	277 277 Volt
	NODIM Non-Dimming Driver	60W		35K 3500K	MVOLT 120-277 Volt
	PRD ¹ Driver Programmed to Specific Lumen Output, Consult Factory	<i>Required for all drivers except PRD driver</i>		40K 4000K	347 347 Volt
				50K 5000K	
	<i>PRD not available with Wattage. PRD standard 0-10V dimming to 1%</i>				

Lens*	Finish*
CLP Clear Prismatic	BLK Black
OP Opal	WHT White
	BRZ Bronze
	GRY Gray
	CUST Custom Color, Consult Factory
	RALTBD Ral Paint finishes
	<i>RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options</i>

Emergency ²			
EMB310	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). 1200 lumens	EMB125R ³	Remote inverter that will operate a maximum 125W load for 90 minutes. 20°C (68°F) to 30°C (86°F)
EMB310T20	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards. 1200 lumens	EMB250R ³	Remote inverter that will operate a 250W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F)
		EMB375R ³	Remote inverter that will operate a 375W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F)

Environment	Fusing	Photocell	Sensors*	Hardware
WL Wet Location	GLR ³ Fuse and Fuse Holder	PC ³ Photoelectric Switch	FAM7 ^{2,4} Field Adjustable, Factory Preset Low-Levels; 50%, 30%, 20%, 10% Light Output NOCC No occupancy sensor ONOFF ² All Boards Sensored on/off	PHSC Phillips Head screws instead of TORX® head

*Required

Ordering Notes

- Not available with FAM7
- Not available with 347.
- Not available with MVOLT and 347.
- Requires NODIM.

Accessories: Order as separate catalog number

TXSD TORX® Screwdriver Bit
Initial shipment includes one (1) TXSD per fixture.

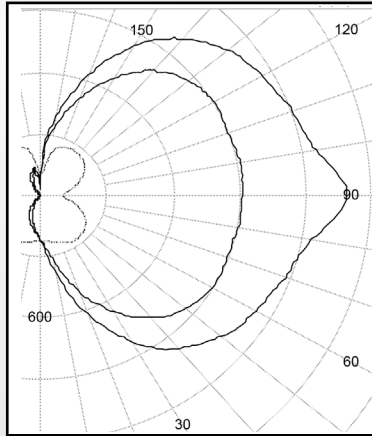
PHOTOMETRIC DATA

Model	Watts	Input Watts	Lens	Delivered Lumens				
				2700K	3000K	3500K	4000K	5000K
ESF18	30W	30.4W	CP	3090	3167	3232	3288	3386
ESF18	30W	30.4W	OP	2172	2264	2311	2351	2421
ESF18	50W	50.4W	CP	5066	5178	5284	5390	5552
ESF18	50W	50.4W	OP	3623	3703	3779	3855	3971
ESF18	60W	60.8W	CP	6260	6399	6530	6660	6859
ESF18	60W	60.8W	OP	4476	4575	4669	4762	4904
ESF18	PRD			Programmable Driver. Specify Delivered Lumens in Ordering Information.				

PHOTOMETRIC DATA

MODEL ESF18 30W 35K OP

Delivered Lumens: 3,232 Lumens



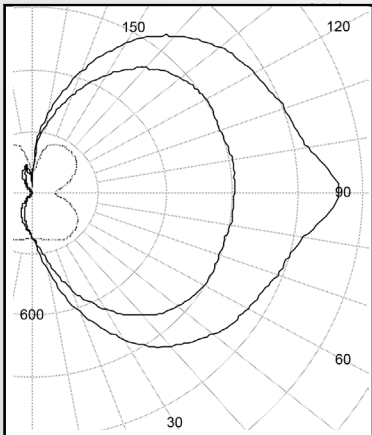
Total Power: 28.42W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	207	6.4
0 - 40	381	11.8
0 - 60	847	26.3
60 - 90	760	23.6
0 - 90	1607	49.9
90 - 180	1616	50.1
0 - 180	3222	100.0

MODEL ESF18 50W 35K CLP

Delivered Lumens: 5,083 Lumens



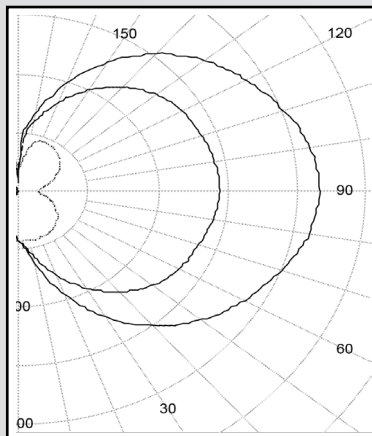
Total Power: 52.7W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	264	5.2
0 - 40	509	10.0
0 - 60	1213	23.9
60 - 90	1324	26.1
0 - 90	2538	49.9
90 - 180	2546	50.1
0 - 180	5083	100.0

MODEL ESF18 50W 35K OP

Delivered Lumens: 3,982 Lumens



Total Power: 52.4W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	217	5.4
0 - 40	402	10.1
0 - 60	932	23.4
60 - 90	1045	26.2
0 - 90	1977	49.6
90 - 180	2005	50.4
0 - 180	3982	100.0

MOUNTING PLATE DETAILS

