

# ENVIROSEAL™

## ES3 SERIES

### PRODUCT FEATURES:

- » Surface mount – ceiling or wall; 3" x 24" (7.62cm x 60.96cm), 3" x 36" (7.62cm x 91.44cm), 3" x 48" (7.62cm x 121.92cm), 3" x 96" (7.62cm x 243.84cm)
- » Cold rolled steel or stainless steel housing for corrosion resistance
- » Continuous row mount for multiple luminaires
- » IP65 Option available



### PROJECT INFORMATION

Job Name \_\_\_\_\_

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

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** One-piece, seam-welded 20-gauge CRS. Base provided with two-point mounting holes and one wireway hole. Lens is positioned in baseplate channels and retained with stainless steel fastener(s). Base mounts flush to ceiling or wall surface.

**LENS/GASKET:** UV-stabilized, pearlescent or clear polycarbonate. Smooth exterior, linear prismatic interior. Nominal thickness .125" (.32cm). IP65 option provided with linear silicone gasket to seal lens frame to housing.

**FINISH:** Brushed stainless steel finish (#4B) or white TGIC polyester powder coat – 5-stage pre-treatment; Salt spray test: 1,000 hours; Reflectance: 92%.

**SOCKETS:** Shock-resistant sockets with internal locking collar to ensure positive lamp retention.

**HARDWARE:** One Type 302 stainless steel Phillips head fastener secures lens in housing channel.

**ELECTRICAL:** LED: Available 3000K, 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 330µA max. source current. LE: Class P ballast. Fluorescent electronic 120/277 or 347 voltage ballasts, high power factor. Optional one-lamp 90 minute nickel-cadmium battery pack (EL) includes inverter charger, test switch and charging indicator lamp.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year LED warranty. [Peace of Mind Guarantee against breakage.](#)

**LISTINGS:** UL and CUL listed for Wet Location – covered ceiling. UL and CUL listed for Damp Location – horizontal wall mount. Optional UL and CUL Listed for Wet Location (WW Option) – horizontal wall mount. Optional UL certified IP65 per IEC 60598 (IP65 Option) – ceiling mount. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.



### ORDERING INFORMATION (Ex: ES3-48-1-45L50K-DCC-1-DV-2H-PP-FS)

Model	Length	Lamp Qty/Lamp Type	Ballast/Driver Type	Ballast/Driver Qty	Voltage	Housing	Lens Type	Options
<b>ES3</b>				<b>1</b>				
<b>Nominal Length</b>			<b>8' (243.84cm) Lengths</b>			<b>Options</b>		
24	2' (60.96cm)		<b>(Lamp Qty per 4' (121.92cm) Cross Section)</b>			EL*†	Standard Lumen EL Pack (450 lumens) (n/a with LED)	
36	3' (91.44cm)		1-45L30K	45 Watt	3000K LED	PEL*‡•	High Lumen EL Pack (1100 lumens) (n/a with LED)	
48	4' (121.92cm)		1-45L35K	45 Watt	3500K LED	SEL*‡•	Specified EL Pack (Needs to be a low profile version)	
96	8' (243.84cm)		1-45L40K	45 Watt	4000K LED	FS^	Single Fuse & Holder	
<b>Lamp Qty/Type</b>			1-45L50K	45 Watt	5000K LED	HC^	Row Mount Hub Connector (see KO option)	
<b>2' (60.96cm) Lengths</b>			1-28^	F28T5		KO^	Continuous Row Mount - .875" (2.22cm) diameter knockout in end caps (see HC option for Kenall supplied attachment connector)	
1-25L30K	25 Watt	3000K LED	1-32	F32T8		PM^†	Pendant Mount (damp locations only) – suspension hardware by others	
1-25L35K	25 Watt	3500K LED	1-54	F54T5HO		TN120	120 Volt, 13 Watt Twin Tube NPF Night Light (n/a with LED)	
1-25L40K	25 Watt	4000K LED	<b>Ballast Type</b>			TN277	277 Volt, 13 Watt Twin Tube NPF Night Light (n/a with LED)	
1-25L50K	25 Watt	5000K LED	DCC	Dimming Constant Current (LED)		IP65***	UL certified IP65 – Ceiling Mount (w/removable end caps – not suitable for continuous row mount)	
1-14^	F14T5		IS	Elec <10% THD Instant Start (T8)		WW***+•	UL/CUL Wet Location Listing – Horizontal Wall Mount (w/removable end caps – not suitable for continuous row mount)	
1-24	F24T5HO		RS	Elec <10% THD Rapid Start (T5, T5HO, T8, Biax)		TR	Tampers Resistant Torx® with center pin fastener	
1-17	F17T8		SB	Specified Ballast				
<b>3' (91.44cm) Lengths</b>			<b>Ballast Quantity</b>					
1-21	F21T5		1	One				
1-25	F25T8		<b>Voltage</b>					
<b>4' (121.92cm) Lengths</b>			DV	120-277 Volts				
1-45L30K	45 Watt	3000K LED	347	347 Volt				
1-45L35K	45 Watt	3500K LED	<b>Housing Options</b>					
1-45L40K	45 Watt	4000K LED	2H	20-Ga CRS; Painted			▲ n/a with 347V	
1-45L50K	45 Watt	5000K LED	P5H	20-Ga 304SS; Painted			* Option not available with 2' (60.96cm) fixtures, with LED, or F21T5 lamps	
1-28^	F28T5		5H	20-Ga 304SS; Brushed			** n/a with KO or PM options	
1-32	F32T8		PXH	20-Ga 316SS; Painted			^ n/a with IP65 or WW options	
1-54	F54T5HO		XH	20-Ga 316SS; Brushed			n/a with IP65 option	
<b>Lens Type</b>			<b>Ballast Type</b>				+ 347V available only with F25T8/F32T8 Lamps	
PP	Pearlescent Polycarbonate		DCC				† Consult factory for pendant mount hole locations.	
CP*	Clear Polycarbonate		IS				• Not available with 3' (91.44cm) fixture	
			RS				♦ Add .375" (.95cm) to overall length	
			SB				▼ n/a with LED	



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA  
 This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2024 Kenall Mfg. Co.

A brand of Legrand

# ENVIROSEAL™

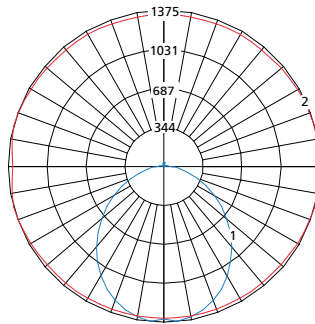
## ES3 SERIES

### PERFORMANCE

Length	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
2'	25L30K	2,280	91	25	100	80,000
	25L35K	2,350	94			
	25L40K	2,431	97			
	25L50K	2,494	100			
4'	45L30K	4,560	93	49	100	80,000
	45L35K	4,701	96			
	45L40K	4,861	99			
	45L50K	4,989	102			

Displayed information above is for PP lens type. Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

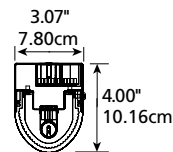
Model: ES3-48-45L40K-DCC-DV-2H-PP



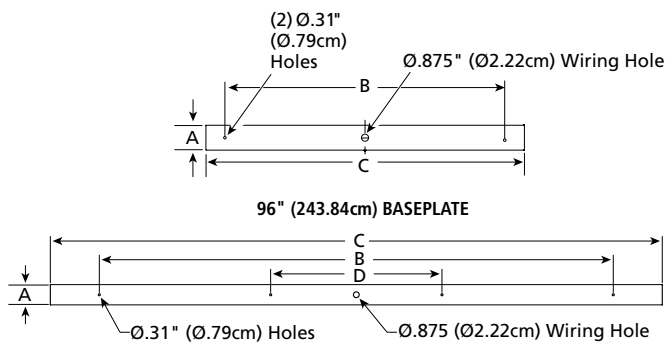
Max Candela = 1375 Located At Horizontal Angle = 15, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

#### CROSS SECTION



#### BASEPLATE



#### DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D
ES324* – T5	3.07	20.00	24.75	
cm	7.80	50.80	62.87	
ES324* – T8	3.07	20.00	24.75	
cm	7.80	50.80	62.87	
ES324* – LED	3.07	22.50	24.75	
cm	7.80	57.15	62.87	
ES324* – TT	3.07	20.00	24.75	
cm	7.80	50.80	62.87	
ES336 – T5	3.07	28.00	35.00	
cm	7.80	71.12	88.90	
ES336 – T8	3.07	24.00	36.75	
cm	7.80	60.96	93.35	
ES348 – T5	3.07	40.00	46.75	
cm	7.80	101.60	118.75	
ES348 – T8	3.07	40.00	48.75	
cm	7.80	101.60	123.83	
ES348 – LED	3.07	40.00	48.75	
cm	7.80	101.60	123.83	
ES348 – T5 – PEL	3.07	42.00	46.75	
cm	7.80	106.68	118.75	
ES348 – T8 – PEL	3.07	43.50	46.75	
cm	7.80	110.49	118.75	
ES396 – T5	3.07	78.00	92.87	26.00
cm	7.80	198.12	235.89	66.04
ES396 – T8	3.07	78.00	96.87	26.00
cm	7.80	198.12	246.05	66.04

\*NOTE: ES324 Wiring Hole offset 1" (2.54cm) left of center line

PEL Wiring Hole offset 1.75" (4.45cm) left of center line

\*ES324-LED Wiring Hole offset 4.25" (10.79cm) standard (10.83cm) IP65/WW Option



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA  
 This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2024 Kenall Mfg. Co.

A brand of Legrand