ENVIROSEAL™

ES8 SERIES

PRODUCT FEATURES:
» Surface mount – ceiling or wall; 8"×24", 8"×36", 8"×48", 8"×96"

» Cold rolled steel or stainless steel housing for corrosion resistance

» Continuous row mount for multiple luminaires

» IP65 Option available

SPECIFICATIONS

HOUSING: One-piece, seam-welded 20-gauge CRS. Base provided with four-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); 330 µA max. source current. Optional embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%. LF: 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.

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 certified IP65 per IEC 60598 (IP65 Option) – ceiling mount. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.

PEACE OF MIND Guarantee®   c(UL)us   IP65 OPTION   IK10

ORDERING INFORMATION (Ex: ES8-48-2-45L50K-DCC-1-DV-2H-PP-FS)

Model	Length	Lamp Qty/Lamp Type	Ballast/Driver Type	Ballast/Driver Qty	Voltage	Housing	Lens Type	Options
ES8								

Nominal Length
24	2' (60.96cm)
36	3' (91.44cm)
48	4' (121.92cm)
96	8' (243.84cm)

Lamp Qty/Type

2' (60.96cm) Lengths
2-14▲	F14T5
2-24	F24T5HO
2-17	F17T8

3' (91.44cm) Lengths
2-21	F21T5
2-25	F25T8

4' (121.92cm) Lengths
1-45L30K	45 Watt 3000K LED
1-45L35K	45 Watt 3500K LED
1-45L40K	45 Watt 4000K LED
1-45L50K	45 Watt 5000K LED
1-67L30K	67 Watt 3000K LED
1-67L35K	67 Watt 3500K LED
1-67L40K	67 Watt 4000K LED
1-67L50K	67 Watt 5000K LED
1-90L30K	90 Watt 3000K LED
1-90L35K	90 Watt 3500K LED
1-90L40K	90 Watt 4000K LED
1-90L50K	90 Watt 5000K LED
2-28▲	F28T5
2-32	F32T8
2-54	F54T5HO

8' (243.84cm) Lengths
(Lamp Qty per 4' (1.22m) Cross Section)
1-45L30K	45 Watt 3000K LED
1-45L35K	45 Watt 3500K LED
1-45L40K	45 Watt 4000K LED
1-45L50K	45 Watt 5000K LED
1-67L30K	67 Watt 3000K LED
1-67L35K	67 Watt 3500K LED
1-67L40K	67 Watt 4000K LED
1-67L50K	67 Watt 5000K LED
1-90L30K	90 Watt 3000K LED
1-90L35K	90 Watt 3500K LED
1-90L40K	90 Watt 4000K LED
1-90L50K	90 Watt 5000K LED
2-28▲	F28T5
2-32	F32T8
2-54	F54T5HO

Ballast Type
DCC	Dimming Constant Current (LED)
IS	Elec <10% THD Instant Start (T8)
RS	Elec <10% THD Rapid Start (T5, T5HO, T8, Biax)
SB	Specified Ballast

Ballast Quantity
1	One
2	Two

Voltage
DV	120-277 Volts
347	347 Volt

Housing Options
2H	20-Ga CRS; Painted
P5H	20-Ga 304SS; Painted
5H	20-Ga 304SS; Brushed
PXH	20-Ga 316SS; Painted
XH	20-Ga 316SS; Brushed

Lens Type
PP	Pearlescent Polycarbonate
CP▼	Clear Polycarbonate

Options
EL*‡	Standard Lumen EL Pack (450 lumens) (n/a with LED)
PEL*‡	High Lumen EL Pack (1100 lumens) (n/a with LED)
SEL*‡	Specified EL Pack (n/a with LED)
LEL▲	LED Emergency Battery Backup (only available with 45L)
FS▲	Single Fuse & Holder
HC^	Row Mount Hub Connector (see KO option)
KO^	Continuous Row Mount - .875" (2.22cm) diameter knockout in end caps (see HC option for Kenall supplied attachment connector)
TN120	120 Volt, 13 Watt Twin Tube NPF Night Light (n/a with LED)
TN277	277 Volt, 13 Watt Twin Tube NPF Night Light (n/a with LED)
IP65**●	UL certified IP65 Listing (w/removable end caps – not suitable for continuous row mount)
TR	Tamper Resistant Torx® with center pin fastener
MS	Motion Sensor (4' LED only; n/a with 347 Voltage)

▲ n/a with 347V
* Option not available with 2' (60.96cm) fixtures, with LED, or F21T5 lamps
** n/a with KO option
^ n/a with IP65 option
‡ 347V available only with F25T8/F32T8 Lamps
● Add .375" (.95cm) to overall length
▼ n/a with LED

ENVIROSEAL™

ES8 SERIES

PERFORMANCE

Length	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (hrs)
		@ 25°C (lm)	Efficacy (lm/W)			
4'	45L30K	4,819	98	49	100	80,000
	45L35K	4,968	101			
	45L40K	5,138	105			
	45L50K	5,273	108			
	67L30K	7,373	101	73	75	80,000
	67L35K	7,601	104			
	67L40K	7,860	108			
	67L50K	8,067	111			
	90L30K	9,366	97	97	100	60,000
	90L35K	9,655	100			
	90L40K	9,985	103			
	90L50K	10,248	106			

Displayed information above is for PP lens type. Info subject to change. Visit www.kenall.com for IES files and additional information.

Model: FES8-48-67L40K-DCC-DV-2H-PP

Max Candela = 2816 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

8.00"
20.32cm

3.00"
7.62cm

BASEPLATE

B
(4) Ø.31" (Ø.79cm) Holes
Ø2.00" (Ø.79cm) Wiring Hole
A
C

96" (243.84cm) BASEPLATE

B
D
A
Ø.31" (Ø.79cm) Holes   Ø2.00" (Ø5.08cm) Wiring Hole
C

DIMENSIONAL DATA (IN INCHES & CENTIMETERS)	A	B	C	D
ES824 – T5	5.00	16.00	23.13	
cm	12.70	40.64	58.75	
ES824 – T8	5.00	16.00	24.75	
cm	12.70	40.64	62.87	
ES836 – T5	5.00	20.00	35.00	
cm	12.70	50.80	88.90	
ES836 – T8	5.00	20.00	36.75	
cm	12.70	50.80	93.35	
ES848 – T5	5.00	32.00	46.75	
cm	12.70	81.28	118.75	
ES848 – T8	5.00	32.00	48.75	
cm	12.70	81.28	123.83	
ES848 – LED	5.00	32.00	48.75	
cm	12.70	81.28	123.83	
ES896 – T5	5.00	78.00	92.87	26.00
cm	12.70	198.12	235.89	66.04
ES896 – T8	5.00	78.00	96.78	26.00
cm	12.70	198.12	245.82	66.04