

ENVIROSEAL™

ES12 SERIES

PRODUCT FEATURES:

- » Surface mount – ceiling or wall; 12"×24" (30.48cm×60.96cm), 12"×36" (30.48cm×91.44cm), 12"×48" (30.48cm×121.92cm), 12"×72" (30.48cm×182.88cm), 12"×96" (30.48cm×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 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: Two 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. Optional embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%. **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.

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.



ORDERING INFORMATION (Ex: ES12-48-45L50K-DCC-1-DV-2H-PP-FS)

Model	Length	Lamp Qty/Lamp Type	Ballast/Driver Type	Ballast/Driver Qty	Voltage	Housing	Lens Type	Options
ES12								
Nominal Length								
24	2' (60.96cm)							
36	3' (91.44cm)							
48	4' (121.92cm)							
72	6' (182.88cm)							
96	8' (243.84cm)							
Lamp Qty/Lamp Type								
2' (60.96cm) Lengths								
2-14 [▲]	F14T5	1-67L30K	45 Watt 3000K LED	1	One			
3-14 [▲]	F14T5	1-67L35K	45 Watt 3500K LED	2	Two			
4-14 [▲]	F14T5	1-67L40K	45 Watt 4000K LED					
2-24	F24T5HO	1-67L50K	45 Watt 5000K LED					
3-24	F24T5HO	1-90L30K	90 Watt 3000K LED					
4-24	F24T5HO	1-90L35K	90 Watt 3500K LED					
2-17	F17T8	1-90L40K	90 Watt 4000K LED					
3-17	F17T8	1-90L50K	90 Watt 5000K LED					
4-17	F17T8	2-28 [▲]	F28T5					
		3-28 [▲]	F28T5					
		4-28 [▲]	F28T5					
3' (91.44cm) Lengths								
2-21	F21T5	2-32	F32T8					
3-21	F21T5	3-32	F32T8					
4-21	F21T5	4-32	F32T8					
2-25	F25T8	2-54	F54T5HO					
3-25	F25T8	3-54	F54T5HO					
4-25	F25T8	4-54	F54T5HO					
2-39	F39T5HO	6' (182.88cm) Lengths						
3-39	F39T5HO	2-72	F72T8HO					
4-39	F39T5HO							
Ballast/Driver 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/Driver 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								
LEL[▲] LED Emergency Battery Backup (45L lamp type only)								
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)								
FS[▲] Single Fuse & Holder								
HC[^] Row Mount Hub Connector (see KO option)								
IP65*** UL certified IP65 Listing (w/removable end caps – not suitable for continuous row mount)								
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)								
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								



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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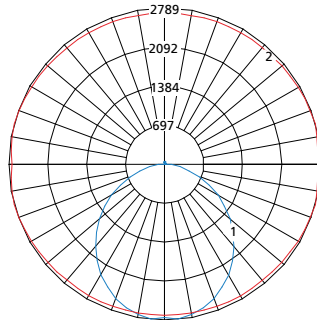
ES12 SERIES

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (hrs)
	@ 25°C (lm)	Efficacy (lm/W)			
45L30K	4,751	97	49	100	80,000
45L35K	4,898	100			
45L40K	5,065	103			
45L50K	5,198	106			
67L30K	7,360	101	73	75	80,000
67L35K	7,587	104			
67L40K	7,846	107			
67L50K	8,053	110			
90L30K	9,436	96	98	100	60,000
90L35K	9,728	99			
90L40K	10,060	103			
90L50K	10,325	105			

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

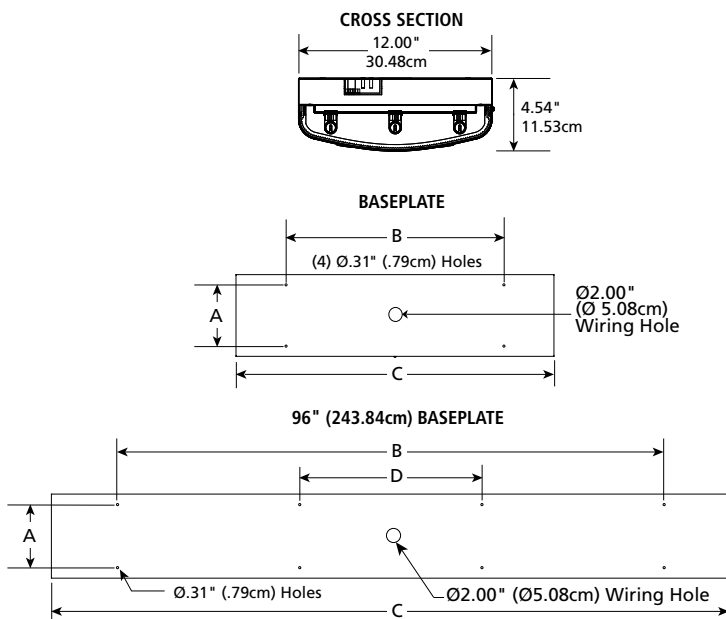
Model: ES12-48-67L40K-DCC-DV-2H-PP



Max Candela = 2789 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



DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D
ES1224 - T5	9.00	16.00	23.25	
cm	22.86	40.64	59.06	
ES1224 - T8	9.00	16.00	24.75	
cm	22.86	40.64	62.87	
ES1236 - T5	9.00	20.00	35.00	
cm	22.86	50.80	88.90	
ES1236 - T8	9.00	20.00	36.75	
cm	22.86	50.80	93.35	
ES1248 - T5	9.00	32.00	46.75	
cm	22.86	81.28	118.75	
ES1248 - T8	9.00	32.00	48.75	
cm	22.86	81.28	123.83	
ES1248 - LED	9.00	32.00	48.75	
cm	22.86	81.28	123.83	
ES1272 - T8	9.00	56.00	72.75	
cm	22.86	142.24	184.79	
ES1296 - T5	9.00	78.00	92.87	26.00
cm	22.86	198.12	235.89	66.04
ES1296 - T8	9.00	78.00	96.87	26.00
cm	22.86	198.12	246.05	66.04
ES1296 - LED	9.00	78.00	96.87	26.00
cm	22.86	198.12	246.05	66.04



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