

SIMPLESEAL™ ENVIRONMENTAL ESEDI SERIES – LED – INSET DOOR

PRODUCT FEATURES:

- » High-output, high-CRI LED lamp sources for accurate color rendition and lighting performance
- » Diffused high-efficiency lens for reduced glare
- » Recessed ceiling mount; grid or flange - 1'x4', 2'x2', 2'x4'
- » Closed cell extruded silicone gasket seals doorframe to housing
- » ETL certified IP65 per IEC 60598
- » Continuous piano hinge

SPECIFICATIONS

HOUSING: Standard 24-gauge (optional 20-gauge) cold rolled steel, hole-free, one-piece, seam-welded construction. 18-gauge housing flange with mitered and welded corners. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

DOORFRAME: 18-gauge CRS. One-piece inset construction welded corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Lens frame secured to housing with continuous hinge and (2) for 2x2, (3) for 1x4, 2x4 captive mounted Phillips head stainless steel fasteners. Closed cell extruded silicone gasket seals doorframe to housing.

LENS: Symmetric optic includes diffused, impact-resistant acrylic lens.

ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. 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); 660 µA max. source current.

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

INSTALLATION: Non-IC recessed ceiling mounting into grid and flange application types. Flange installation utilizes included adjustable swing-out mounting brackets. Grid installation suitable for 1" and 1.5" T-bar ceilings. Universal installation into grid or flange (drywall) ceiling applications. See Options for continuous row mounting and install frames.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard. For additional photometric data, please go to www.kenall.com

WARRANTY: Limited five (5) year warranty.

LISTINGS: Certified to UL Standards by Intertek Testing Laboratory for Wet Location. ETL certified IP65 per IEC 60598. CCEA approved.



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____



1'x4'

2'x2'

2'x4'

ORDERING INFORMATION (Ex: ESEDI-24-67L-40K8-DIM1-DV-2F-4H-SYM)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
ESEDI				DIM1				SYM		
Size		Lamp Power		Driver Type				Options		
14 1'x4'		1'x4'		DIM1 0-10V Dimming to 1%				LEL † 8.4W Emergency Battery Pack		
22 2'x2'		45L 45 Watt LED		Voltage				20KV 20KV/KVA Surge Protection per IEEE/ANSI C62.41.2 Cat. A		
24 2'x4'		67L 67 Watt LED		DV 120-277VAC, 50/60Hz				AMF ▲ Antimicrobial Finish		
		90L 90 Watt LED		120 120VAC				FS Fuse & Holder		
		2'x2'		277 277VAC				HJ Sealed Wireway		
		45LD 45 Watt Dual-Row LED		347 347VAC				MS Motion Sensor (n/a with 347 Voltage Option)		
		67L 67 Watt LED		Doorframe Options				RF • Radio Frequency Filter		
		90L 90 Watt LED		2F 18-Ga CRS Painted (STD)				RM † Continuous Row Mounting		
		2'x4'		AF Anodized Aluminum				2C Two Circuit Wiring		
		45LD 45 Watt Dual-Row LED		PAF Painted Fabricated Aluminum				Accessories		
		67L 67 Watt LED		5F 20-Ga Type 304 SS Brushed				IF *† Install Frame		
		90L 90 Watt LED		Housing Options						
		135L 135 Watt LED		4H 24-Ga CRS (STD)						
		180L 180 Watt LED		2H 20-Ga CRS						
		Lamp Color		5H 20-Ga Type 304 SS						
		30K8 3000K / 82 CRI min.		PAH .050" Painted Aluminum						
		35K8 3500K / 82 CRI min.		Optics						
		40K8 4000K / 82 CRI min.		SYM Symmetric, Diffused DR Acrylic						
		50K8 5000K / 82 CRI min.								

* Add .375" to ceiling cut out dimensions

† Only available when installed in drywall ceilings (flange mount)

• Voltage specific selection required

‡ n/a with 180L lamp option or 347V input; voltage-specific selection required and height of fixture is 5.875" when specified with 135L lamp option; 0°C/32°F min. operating environment.

▲ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)



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PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L ₇₀ LED Life (Hrs)
Model	Lamp Type	@ 25°C	Efficacy (lm/W)			
ESEDI-14	45L-30K8	5,241	107	49	100	80,000
	45L-35K8	5,491	112			
	45L-40K8	5,587	114			
	45L-50K8	5,811	119			
	67L-30K8	8,028	112	72	75	80,000
	67L-35K8	8,412	117			
	67L-40K8	8,559	119			
	67L-50K8	8,901	124			
	90L-30K8	10,243	105	98	100	60,000
	90L-35K8	10,732	110			
	90L-40K8	10,920	111			
90L-50K8	11,357	116				
ESEDI-22	45LD-30K8	5,069	103	49	100	80,000
	45LD-35K8	5,311	108			
	45LD-40K8	5,404	110			
	45LD-50K8	5,620	115			
	67L-30K8	7,765	108	72	75	80,000
	67L-35K8	8,136	113			
	67L-40K8	8,278	115			
	67L-50K8	8,609	120			
	90L-30K8	9,978	102	98	100	60,000
	90L-35K8	10,454	107			
	90L-40K8	10,637	109			
90L-50K8	11,062	113				
ESEDI-24	45LD-30K8	5,953	129	46	50	100,000
	45LD-35K8	6,238	136			
	45LD-40K8	6,347	138			
	45LD-50K8	6,601	144			
	67L-30K8	8,281	115	72	75	80,000
	67L-35K8	8,677	121			
	67L-40K8	8,828	123			
	67L-50K8	9,181	128			
	90L-30K8	10,641	109	98	100	60,000
	90L-35K8	11,149	114			
	90L-40K8	11,344	116			
	90L-50K8	11,798	120			
	135L-30K8	15,084	103	147	100	60,000
	135L-35K8	15,805	108			
	135L-40K8	16,081	109			
	135L-50K8	16,724	114			
	180L-30K8	20,568	105	196	100	60,000
	180L-35K8	21,550	110			
180L-40K8	21,927	112				
180L-50K8	22,804	116				

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.



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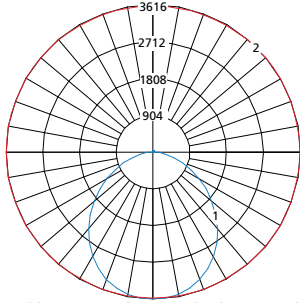
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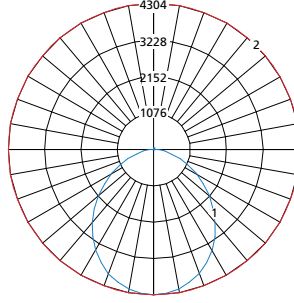
PERFORMANCE

Model: ESEDI-14-67L-40K8-DIM1-DV-2F-2H-SYM



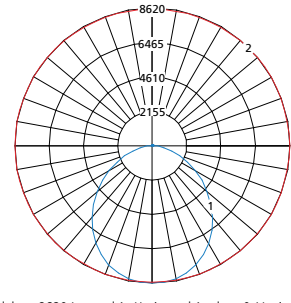
Maximum Candela = 3616 Located At Horizontal Angle = 15, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: ESEDI-22-90L-40K8-DIM1-DV-2F-2H-SYM



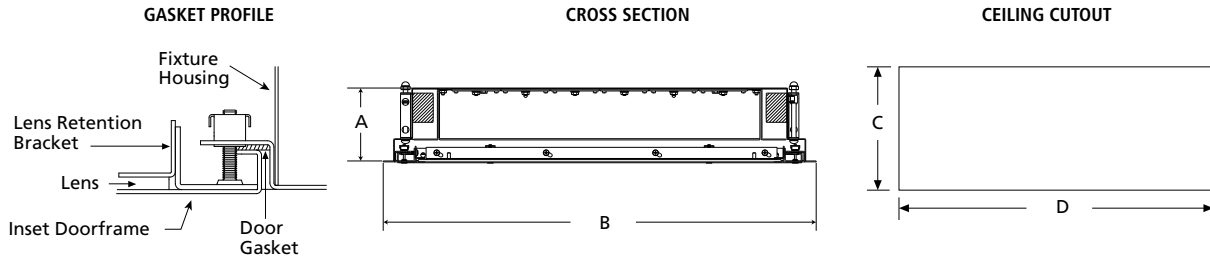
Max Candela = 4304 Located At Horizontal Angle = 0, Vertical Angle = 0
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: ESEDI-24-180L-40K8-DIM1-DV-2F-2H-SYM



Max Candela = 8620 Located At Horizontal Angle = 0, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)

	A	B	C	D
1x4	4.20	11.75 x 47.75	10.85	46.85
2x2	4.20	23.75 x 23.75	22.85	22.85
2x4	4.20	23.75 x 47.75	22.85	46.85

* Add .375" to ceiling cut out dimensions when IF Option is specified

** Height is 5.875" with 135L lamp option when ordered in conjunction with LEL option.



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